

# The Patriot Sentry Variable Account II

Annual Report December 31, 2023

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## **Janus Henderson VIT Balanced Portfolio**

Janus Aspen Series

#### **HIGHLIGHTS**

- Portfolio management perspective
- Investment strategy behind your portfolio
- Portfolio performance, characteristics and holdings



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#### Janus Henderson VIT Balanced Portfolio

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## **Janus Henderson VIT Balanced Portfolio** (unaudited)



co-portfolio manager





Michael Keougl co-portfolio manager co-portfolio manager

#### PERFORMANCE OVERVIEW

For the 12-month period ended December 31, 2023, the Janus Henderson VIT Balanced Portfolio's Institutional Shares and Service Shares returned 15.41% and 15.13%, respectively, compared with 16.62% for the Balanced Index, an internally calculated benchmark that combines the total returns from the S&P 500® Index (55%) and the Bloomberg U.S. Aggregate Bond Index (45%). The S&P 500 Index returned 26.29% and the Bloomberg U.S. Aggregate Bond Index returned 5.53%.

#### **INVESTMENT ENVIRONMENT**

The balancing act involved in taming inflation while preventing a recession presented complications and bouts of volatility over the period. Most notable was the March collapse of Silicon Valley Bank and other regional banks. However, the Federal Reserve (Fed) responded swiftly to restore confidence in the banking system, slowing deposit outflows, preventing more systemic issues, and calming market fears.

The stock market largely climbed from the beginning of the period through July, driven by optimism about the slowing pace of interest rate hikes and positive economic fundamentals. Excitement surrounding artificial intelligence (AI) and related technologies also boosted market sentiment. However, stock market returns were fairly narrow in breadth, driven by a handful of large- and mega-cap stocks linked to Al developments. In July, the S&P 500 reached an 18-month peak, but market optimism briefly reversed course in the third quarter on fears of sustained higher interest rates, the Fitch downgrade of U.S. debt (from AAA to AA+), and growing worries about China's lagging economic growth.

Still, U.S. gross domestic product (GDP) continued to exceed expectations in the second half of the year, and corporate earnings remained relatively strong, aided by reduced input costs. Inflation moderated, helped by easing supply pressures and softening energy prices. After four interest rate increases in 2023, markets cheered when

the Fed took a decidedly dovish pivot in December, guiding toward the potential for multiple rate cuts in 2024. With still relatively robust GDP growth and low unemployment, the Fed now expects a soft-landing scenario for the U.S. economy.

Strong gains by the S&P 500 were largely driven by strength in technology stocks. The communication services and consumer discretionary sectors also beat the broader market. Equities outpaced returns in fixed income, but the Bloomberg U.S. Aggregate Bond Index also posted a positive return. Rates saw significant volatility intra period, with the yield on the U.S. 10-year Treasury reaching as high as 4.93%, though it ultimately closed December at 3.88% relative to 3.87% at the prior year end. Corporate bonds outperformed Treasuries, and investment-grade credit spreads ended the guarter 31 basis points (bps) tighter at 0.99%, aided by investors pricing in the end of the rate tightening cycle.

#### PERFORMANCE DISCUSSION

The Portfolio, which seeks to provide more consistent returns over time by allocating across the spectrum of fixed income and equity securities, underperformed the Balanced Index, a blended benchmark of the S&P 500 Index (55%) and the Bloomberg U.S. Aggregate Bond Index (45%).

We began the period with an equity allocation of roughly 56%, fixed income allocation of 43%, and a small portion in cash. We increased equity exposure during the period and closed December with roughly 61% in equities, 38% in fixed income, and a small portion in cash. This asset allocation positioning, with a consistent overweight to equities relative to the Balanced index and corresponding underweight to fixed income, benefited relative performance as equities advanced sharply and outgained returns in fixed income for the year.

The equity allocation underperformed the S&P 500. Stock selection in the consumer discretionary and industrials sectors detracted from relative performance. On a single-

## Janus Henderson VIT Balanced Portfolio (unaudited)

holding basis, variety store Dollar General was among the top detractors, as the discount retailer struggled amid inventory challenges as well as financial constraints facing core clientele. Meaningful deterioration in company fundamentals and our reduced confidence that new management team members can turn the business around in the short term contributed to our decision to close the position.

Deere & Company, an agricultural equipment manufacturer, was also among the top relative detractors. Despite reporting strong fiscal year earnings, the share price fell amid a more cautious 2024 industry outlook. Lower sales forecasts, market uncertainties around farm fundamentals, and elevated interest rates contributed to the company's conservative outlook, particularly in Brazil.

Conversely, security selection in the healthcare and financials sectors helped relative performance. Companies tied to the AI theme also aided results. Semiconductor manufacturing equipment company Lam Research benefited from industry optimism for a recovery in wafer fabrication equipment in 2025 and expectation that capital expenditure in memory chips will have a sharp recovery.

Technology company Microsoft was also among the top relative contributors. The stock strongly benefited from the developments in and optimism around AI – particularly in Microsoft's implementation of AI in its products such as the Bing search engine. The potential for increased demand for its cloud business, Azure, further supported the stock.

The portfolio's fixed income allocation outperformed the Bloomberg U.S. Aggregate Bond Index. Overall interest-rate positioning contributed to relative results. We entered the year underweight duration relative to the Aggregate Index and actively managed interest rate risk amid the year's volatility. In the latter half of the period, we adopted a duration overweight stance, believing the continued rise in rates was unjustified, considering the progress that had been made on inflation, coupled with the likelihood that the Fed was done raising rates. Our positioning aided results as rates rallied with the Fed's dovish pivot in December. We trimmed our duration position with the rally but ended the year with a modest overweight.

While we maintained a relatively defensive stance within our spread risk allocation, we held more risk versus the benchmark throughout the year. We added to our corporate bond allocation, as corporate issuers continued to exhibit stronger fundamentals than typically seen at this

point in the economic cycle. We also increased our overweight allocation to securitized sectors as we continued to identify high-quality assets at attractive valuations and on our belief that, throughout the year, securitized spreads were appropriately reflecting the risk of an economic slowdown. This positioning contributed as spreads ultimately tightened on the back of economic data that suggested the chances for a soft landing had increased. Positioning in securitized credit was particularly beneficial, with exposure to non-agency residential mortgages and commercial mortgage-backed securities aiding results. Security selection within agency mortgage-backed securities detracted, somewhat offsetting relative outperformance.

#### **DERIVATIVES USAGE**

Please see the Derivative Instruments section in the "Notes to Financial Statements" for a discussion of derivatives used by the Portfolio.

#### OUTLOOK

Following two years of tough talk and aggressive rate hikes, the Fed delivered some holiday cheer by way of a dovish pivot at its December meeting. Inflation made a sustained move back toward its target, allowing the central bank to signal its intent to transition from a 24-month tightening campaign to an easing cycle. This is broadly positive for the economy.

Looser financial conditions and lower interest rates should bring some welcome relief for consumers and corporations. We believe the Fed's focus on both legs of its dual mandate will shift back into balance. With inflation far too high in 2022 and 2023, the central bank was focused only on one side of its mandate – namely, stable prices. Given increased confidence that inflation will move back toward 2%, the Fed highlighted the need also to focus on full employment.

We believe the key result of this policy shift will be a favorable multiyear outlook for fixed income returns. We expect demand for the asset class will likely increase, as investors have the potential to lock in attractive yields and benefit from the diversification that bonds can bring to multi-asset portfolios.

Regarding equities, we are optimistic and anticipate earnings growth to resume in 2024 after modest declines in 2023. There are positive factors supporting our moderate earnings growth forecast but also risks. Our base case view anticipates modest real GDP growth, resilient yet decelerating consumer spending, steady labor

## Janus Henderson VIT Balanced Portfolio (unaudited)

force conditions, profit margin improvement, and growth from key secular trends like artificial intelligence and weight-loss therapies.

From a corporate perspective, third-quarter earnings margins held up well in manufacturing and other economic sectors. Declining raw material and transportation costs are finally flowing through to lower cost of goods sold, while new inventories are replacing pricier items built on 2022's high input costs - a benefit that emerged late in 2023 and should persist into 2024.

While the outlook has continued to improve, we must also acknowledge the risks. We believe we are yet to feel the full cumulative impacts of prior rate hikes. Monetary policy works in long and variable lags, and while the most intense headwinds of rising rates may be behind us, we should not discount the effect on the economy of a federal funds rate that is 525 bps above where it was a few years ago. For example, higher rates may negatively impact long-cycle capital spending, as multi-year projects that boosted 2023 growth fade and replacement spending lags. However, short cycle industries like personal computers, semiconductors, and life-sciences equipment - all of which endured recession in 2023 could recover to normal levels in 2024. We are monitoring this potential transition from long- to short-cycle economic and earnings growth drivers. We think a slowdown in growth is likely but the extent thereof remains an open question. Nonetheless, it bodes well that the Fed is now in a stronger position to lower rates if the economy shows signs of weakness.

In 2024, our focus will be on the health of the consumer, the job market outlook, and how corporations fare through this environment. As always, we will dynamically adjust each of the equity and fixed income allocations, as well as the portfolio's overall mix between equities and fixed income, as we analyze the risks and opportunities in each market.

Thank you for your investment in Janus Henderson VIT Balanced Portfolio.

10-Year Treasury Yield is the interest rate on U.S. Treasury bonds that will mature 10 years from the date of purchase.

Basis point (bp) equals 1/100 of a percentage point. 1 bp = 0.01%, 100 bps = 1%

**Duration** measures a bond price's sensitivity to changes in interest rates. The longer a bond's duration, the higher its sensitivity to changes in interest rates and vice versa.

Securitized products, such as mortgage- and asset-backed securities, are more sensitive to interest rate changes, have extension and prepayment risk, and are subject to more credit, valuation and liquidity risk than other fixed-income securities.

Quantitative Tightening (QT) is a government monetary policy occasionally used to decrease the money supply by either selling government securities or letting them mature and removing them from its cash balances.

Monetary Policy refers to the policies of a central bank, aimed at influencing the level of inflation and growth in an economy. It includes controlling interest rates and the supply of money.

#### **Important Notice - Tailored Shareholder Reports**

Effective January 24, 2023, the Securities and Exchange Commission (the "SEC") adopted rule and form amendments that require mutual funds and exchangetraded funds to provide shareholders with streamlined annual and semi-annual shareholder reports that highlight key information. Other information, including financial statements, that currently appears in shareholder reports will be made available online, delivered free of charge to shareholders upon request, and filed with the SEC. The first tailored shareholder report for the Portfolio will be for the reporting period ending June 30, 2024. Currently, management is evaluating the impact of the rule and form amendments on the content of the Portfolio's current shareholder reports.

#### Janus Henderson VIT Balanced Portfolio (unaudited) Portfolio At A Glance December 31, 2023

#### **5 Top Contributors - Equity Sleeve Holdings**

#### **5 Top Detractors - Equity Sleeve Holdings**

	Average	Relative		Average	Relative
	Weight	Contribution		Weight	Contribution
Lam Research Corp	2.06%	0.93%	Dollar General Corp	1.06%	-1.31%
Microsoft Corp	9.06%	0.65%	Meta Platforms Inc - Class A	0.95%	-1.12%
NVIDIA Corp	3.03%	0.49%	Amazon.com Inc	0.87%	-0.92%
Booking Holdings Inc	1.20%	0.35%	Deere & Co	2.02%	-0.66%
Hilton Worldwide Holdings Inc	1.69%	0.28%	UnitedHealth Group Inc	3.44%	-0.59%

#### 5 Top Contributors - Equity Sleeve Sectors\*

	Relative	Equity Sleeve	S&P 500 Index
	Contribution	Average Weight	Average Weight
Utilities	1.05%	0.00%	2.66%
Health Care	0.79%	15.12%	13.76%
Energy	0.37%	2.64%	4.50%
Real Estate	0.31%	0.18%	2.51%
Financials	0.12%	14.82%	12.50%

#### 5 Top Detractors - Equity Sleeve Sectors\*

	Relative	Equity Sleeve	S&P 500 Index	
	Contribution	Average Weight	Average Weight	
Consumer Discretionary	-2.42%	12.58%	10.46%	
Industrials	-1.80%	9.57%	8.45%	
Communication Services	-0.79%	7.99%	8.41%	
Consumer Staples	-0.47%	7.58%	6.73%	
Materials	-0.20%	1.33%	2.54%	

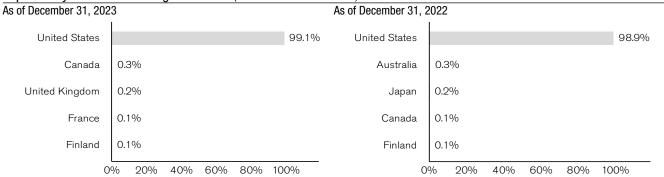
Relative contribution reflects how the portolio's holdings impacted return relative to the benchmark. Cash and securities not held in the portfolio are not shown. For equity portfolios, relative contribution compares the performance of a security in the portfolio to the benchmark's total return, factoring in the difference in weight of that security in the benchmark. Returns are calculated using daily returns and previous day ending weights rolled up by ticker, excluding fixed income securities, gross of advisory fees, may exclude certain derivatives and will differ from actual performance. Performance attribution reflects returns gross of advisory fees and may differ from actual returns as they are based on end of day holdings. Attribution is calculated by geometrically linking daily returns for the portfolio and index.

<sup>\*</sup> Based on sector classification according to the Global Industry Classification Standard ("GICS") codes, which are the exclusive property and a service mark of MSCI Inc. and Standard & Poor's.

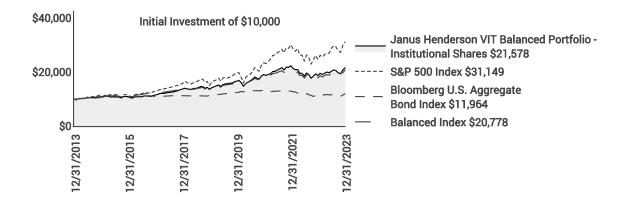
#### Janus Henderson VIT Balanced Portfolio (unaudited) **Portfolio At A Glance December 31, 2023**

5 Largest Equity Holdings - (% of Net Assets)		Asset Allocation - (% of Net Assets)	
Microsoft Corp		Common Stocks	61.1%
Software	6.1%	Mortgage-Backed Securities	11.4%
Apple Inc		Corporate Bonds	9.7%
Technology Hardware, Storage & Peripherals	3.5%	Asset-Backed/Commercial	
Alphabet Inc - Class C		Mortgage-Backed Securities	9.0%
Interactive Media & Services	2.7%	United States Treasury Notes/Bonds	7.3%
NVIDIA Corp		Investment Companies	3.3%
Semiconductor & Semiconductor Equipment	2.4%	Other	(1.8)%
Mastercard Inc			100.0%
Diversified Financial Services	2.3%		
	17.0%		

#### Top Country Allocations - Long Positions - (% of Investment Securities)



# Janus Henderson VIT Balanced Portfolio (unaudited) Performance



Average Annual Total Return - for the	Prospectus Expense Ratios				
	One Year	Five Year	Ten Year	Since Inception*	Total Annual Fund Operating Expenses <sup>‡</sup>
Institutional Shares	15.41%	9.64%	7.99%	9.57%	0.62%
Service Shares	15.13%	9.37%	7.73%	9.38%	0.86%
S&P 500 Index	26.29%	15.69%	12.03%	10.11%	
Bloomberg U.S. Aggregate Bond Index	5.53%	1.10%	1.81%	4.35%	
Balanced Index	16.62%	9.26%	7.59%	7.77%	
Morningstar Quartile - Institutional Shares	2nd	1st	1st	1st	
Morningstar Ranking - based on total returns for Allocation - 50% to 70% Equity					
Funds	214/759	108/699	46/610	10/203	

Returns quoted are past performance and do not guarantee future results; current performance may be lower or higher. Investment returns and principal value will vary; there may be a gain or loss when shares are sold. For the most recent month-end performance call 800.668.0434 or visit janushenderson.com/VITperformance.

Performance may be affected by risks that include those associated with foreign and emerging markets, fixed income securities, high-yield and high-risk securities, undervalued, overlooked and smaller capitalization companies, real estate related securities including Real Estate Investment Trusts (REITs), Environmental, Social and Governance (ESG) factors, non-diversification, portfolio turnover, derivatives, short sales, initial public offerings (IPOs) and potential conflicts of interest. Each product has different risks. Please see the prospectus for more information about risks, holdings and other details.

Returns do not reflect the deduction of fees, charges or expenses of any insurance product or qualified plan. If applied, returns would have been lower.

Returns include reinvestment of all dividends and distributions and do not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares. The returns do not include adjustments in accordance with generally accepted accounting principles required at the period end for financial reporting purposes.

Performance for Service Shares prior to December 31, 1999 reflects the performance of Institutional Shares, adjusted to reflect the expenses of Service Shares.

Ranking is for the share class shown only; other classes may have different performance characteristics.

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There is no assurance that the investment process will consistently lead to successful investing.

See Notes to Schedule of Investments and Other Information for index definitions.

Index performance does not reflect the expenses of managing a portfolio as an index is unmanaged.

See important disclosures on the next page.

## Janus Henderson VIT Balanced Portfolio (unaudited) **Performance**

See "Useful Information About Your Portfolio Report."

<sup>\*</sup>The Portfolio's inception date - September 13, 1993

<sup>‡</sup> As stated in the prospectus. See Financial Highlights for actual expense ratios during the reporting period.

#### Janus Henderson VIT Balanced Portfolio (unaudited) Expense Examples

As a shareholder of the Portfolio, you incur two types of costs: (1) transaction costs and (2) ongoing costs, including management fees; 12b-1 distribution and shareholder servicing fees (applicable to Service Shares only); transfer agent fees and expenses payable pursuant to the Transfer Agency Agreement; and other Portfolio expenses. This example is intended to help you understand your ongoing costs (in dollars) of investing in the Portfolio and to compare these costs with the ongoing costs of investing in other mutual funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. The example is based upon an investment of \$1,000 invested at the beginning of the period and held for the sixmonths indicated, unless noted otherwise in the table and footnotes below.

#### **Actual Expenses**

The information in the table under the heading "Actual" provides information about actual account values and actual expenses. You may use the information in these columns, together with the amount you invested, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number in the appropriate column for your share class under the heading entitled "Expenses Paid During Period" to estimate the expenses you paid on your account during the period.

#### **Hypothetical Example for Comparison Purposes**

The information in the table under the heading "Hypothetical (5% return before expenses)" provides information about hypothetical account values and hypothetical expenses based upon the Portfolio's actual expense ratio and an assumed rate of return of 5% per year before expenses, which is not the Portfolio's actual return. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the Portfolio and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. Additionally, for an analysis of the fees associated with an investment in either share class or other similar funds, please visit www.finra.org/fundanalyzer.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transaction costs, such as any charges at the separate account level or contract level. These fees are fully described in the Portfolio's prospectuses. Therefore, the hypothetical examples are useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if these transaction costs were included, your costs would have been higher.

		Actu	al	Hypothetical (5% return before expenses)			_
	Beginning Account Value (7/1/23)	Ending Account Value (12/31/23)	Expenses Paid During Period (7/1/23 - 12/31/23)†	Beginning Account Value (7/1/23)	Ending Account Value (12/31/23)	Expenses Paid During Period (7/1/23 - 12/31/23)†	Net Annualized Expense Ratio (7/1/23 - 12/31/23)
Institutional							
Shares	\$1,000.00	\$1,058.50	\$3.17	\$1,000.00	\$1,022.13	\$3.11	0.61%
Service Shares	\$1,000.00	\$1,057.20	\$4.46	\$1,000.00	\$1,020.87	\$4.38	0.86%

<sup>†</sup>Expenses Paid During Period are equal to the Net Annualized Expense Ratio multiplied by the average account value over the period, multiplied by 184/365 (to reflect the one-half year period). Expenses in the examples include the effect of applicable fee waivers and/or expense reimbursements, if any. Had such waivers and/or reimbursements not been in effect, your expenses would have been higher. Please refer to the Notes to Financial Statements or the Portfolio's prospectuses for more information regarding waivers and/or reimbursements.

	Shares or Principal Amounts	Value
Asset-Backed/Commercial Mortgage-Backed Securities – 9.0%	•	
208 Park Avenue Mortgage Trust 2017-280P, CME Term SOFR 1 Month + 1.1800%, 6.5380%, 9/15/34 (144A) <sup>‡</sup> A&D Mortgage Trust 2023-NQM2 A1, 6.1320%, 5/25/68 (144A) <sup>ç</sup> A&D Mortgage Trust 2023-NQM4 A1, 7.4720%, 9/25/68 (144A) <sup>ç</sup> A&D Mortgage Trust 2023-NQM5 A1, 7.0490%, 11/25/68 (144A) <sup>ç</sup>	\$3,072,117 5,280,460 5,222,082 2,588,385	\$2,955,786 5,255,369 5,306,355 2,612,063
ACC Auto Trust 2022-A A, 4.5800%, 7/15/26 (144A) Aimco 2020-11A AR,	675,700	671,653
CME Term SOFR 3 Month + 1.3916%, 6.7944%, 10/17/34 (144A)‡ Angel Oak Mortgage Trust I LLC 2019-5, 2.5930%, 10/25/49 (144A)‡ Angel Oak Mortgage Trust I LLC 2019-6,	1,836,000 302,445	1,834,656 291,151
Refinitiv USD IBOR Consumer Cash Fallbacks 1 Year + 0.9500%, 2.6200%, 11/25/59 (144A) <sup>‡</sup> Angel Oak Mortgage Trust I LLC 2020-3,	272,246	261,975
Refinitiv USD IBOR Consumer Cash Fallbacks 1 Year + 1.0000%, 2.4100%, 4/25/65 (144A)‡	696,211	640,474
Aqua Finance Trust 2021-A A, 1.5400%, 7/17/46 (144A) ARES CLO Ltd 2021-60A A,	1,188,118	1,061,098
CME Term SOFR 3 Month + 1.3816%, 6.6915%, 7/18/34 (144A)‡ Arivo Acceptance Auto Loan Receivables 2022-1A A, 3.9300%, 5/15/28 (144A)	1,719,000 1,101,963	1,717,188 1,080,084
Babson CLO Ltd 2018-3A A1, CME Term SOFR 3 Month + 1.2116%, 6.6274%, 7/20/29 (144A) <sup>‡</sup> Babson CLO Ltd 2019-3A A1R,	1,598,682	1,598,365
CME Term SOFR 3 Month + 1.3316%, 6.7474%, 4/20/31 (144A) <sup>‡</sup> Babson CLO Ltd 2020-4A A,	7,227,000	7,226,986
CME Term SOFR 3 Month + 1.4816%, 6.8974%, 1/20/32 (144A) <sup>‡</sup> Barclays Commercial Mortgage Securities LLC 2015-SRCH,	2,320,732	2,320,857
4.1970%, 8/10/35 (144A) BPR Trust 2022-OANA A.	2,528,000	2,311,950
CME Term SOFR 1 Month + 1.8980%, 7.2598%, 4/15/37 (144A) <sup>‡</sup> BPR Trust 2023-BRK2 A, 6.8990%, 11/5/28 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2019-MMP C,	9,908,000 7,145,000	9,746,093 7,481,672
CME Term SOFR 1 Month + 1.4940%, 6.8560%, 8/15/36 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2019-OC11, 3.6050%, 12/9/41 (144A) BX Commercial Mortgage Trust 2019-OC11, 3.8560%, 12/9/41 (144A) BX Commercial Mortgage Trust 2019-XL,	1,534,322 1,121,000 2,229,000	1,488,698 1,001,518 1,983,821
CME Term SOFR 1 Month + 1.0345%, 6.3963%, 10/15/36 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2019-XL,	2,541,758	2,535,203
CME Term SOFR 1 Month + 1.1945%, 6.5563%, 10/15/36 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2020-VKNG A,	1,923,550	1,914,386
CME Term SOFR 1 Month + 1.0445%, 6.4063%, 10/15/37 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2021-LBA AJV,	966,664	959,034
CME Term SOFR 1 Month + 0.9145%, 6.2765%, 2/15/36 (144A)‡ BX Commercial Mortgage Trust 2021-LBA AV,	5,213,000	5,126,307
CME Term SOFR 1 Month + 0.9145%, 6.2765%, 2/15/36 (144A)‡ BX Commercial Mortgage Trust 2021-VINO A,	6,853,553	6,739,941
CME Term SOFR 1 Month + 0.7668%, 6.1288%, 5/15/38 (144A)‡ BX Commercial Mortgage Trust 2021-VOLT B,	4,502,470	4,428,896
CME Term SOFR 1 Month + 1.0645%, 6.4263%, 9/15/36 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2021-VOLT D,	5,286,000	5,149,291
CME Term SOFR 1 Month + 1.7645%, 7.1263%, 9/15/36 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2022-FOX2 A2,	4,869,000	4,680,407
CME Term SOFR 1 Month + 0.7492%, 6.1110%, 4/15/39 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2023-VLT2 A,	5,478,335	5,322,234
CME Term SOFR 1 Month + 2.2810%, 7.6428%, 6/15/40 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2023-VLT2 B,	2,107,000	2,101,891
CME Term SOFR 1 Month + 3.1290%, 8.4908%, 6/15/40 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2023-VLT3 A,	4,685,000	4,674,784
CME Term SOFR 1 Month + 1.9400%, 7.3018%, 11/15/28 (144A) <sup>‡</sup> BX Commercial Mortgage Trust 2023-VLT3 B,	6,432,194	6,425,128
CME Term SOFR 1 Month + 2.6890%, 8.0508%, 11/15/28 (144A) <sup>‡</sup>	5,516,812	5,508,945

	Shares or	
	Principal Amounts	Value
Asset-Backed/Commercial Mortgage-Backed Securities- (continued) BXP Trust 2017-GM, 3.3790%, 6/13/39 (144A)	\$1,140,000	\$1,060,120
CBAM CLO Management 2019-11RA A1, CME Term SOFR 3 Month + 1.4416%, 6.8574%, 1/20/35 (144A)‡	4,973,000	4,960,553
CBAM CLO Management 2019-11RA B, CME Term SOFR 3 Month + 2.0116%, 7.4274%, 1/20/35 (144A) <sup>‡</sup>	2,006,778	1,994,733
Cedar Funding Ltd 2019-11A A1R, CME Term SOFR 3 Month + 1.3116%, 6.7048%, 5/29/32 (144A) <sup>‡</sup>	8,174,000	8,134,928
CENT Trust 2023-CITY A,  CME Term SOFR 1 Month + 2.6200%, 7.9818%, 9/15/38 (144A) <sup>‡</sup>	7,203,000	7,240,240
CF Hippolyta Issuer LLC 2021-1A A1, 1.5300%, 3/15/61 (144A) CF Hippolyta Issuer LLC 2021-1A B1, 1.9800%, 3/15/61 (144A)	4,384,266 1,655,880	3,921,222 1,420,743
CF Hippolyta Issuer LLC 2022-1A A1, 5.9700%, 8/15/62 (144A)	6,717,772	6,684,643
CF Hippolyta Issuer LLC 2022-1A A2, 6.1100%, 8/15/62 (144A)	15,932,112	15,591,334
Chase Auto Credit Linked Notes 2021-1 B, 0.8750%, 9/25/28 (144A)	270,142	265,296
Chase Auto Credit Linked Notes 2021-2 B, 0.8890%, 12/26/28 (144A) Chase Mortgage Finance Corp 2021-CL1 M1,	735,579	717,523
US 30 Day Average SOFR + 1.2000%, 6.5374%, 2/25/50 (144A) <sup>‡</sup>	4,191,189	4,047,247
CIFC Funding Ltd 2018-3A A, CME Term SOFR 3 Month + 1.3616%, 6.6715%, 7/18/31 (144A)‡	3,232,442	3,232,391
CIFC Funding Ltd 2021-4A A, CME Term SOFR 3 Month + 1.3116%, 6.7055%, 7/15/33 (144A)‡	6,344,383	6,344,224
CIFC Funding Ltd 2021-7A B, CME Term SOFR 3 Month + 1.8616%, 7.2735%, 1/23/35 (144A)‡	1,621,184	1,609,954
CIM Trust 2021-NR1 A1, 2.5690%, 7/25/55 (144A) <sup>c</sup>	1,463,044	1,432,629
CIM Trust 2021-NR4 A1, 2.8160%, 10/25/61 (144A) <sup>c</sup>	1,369,134	1,289,923
Cold Storage Trust 2020-ICE5 A,		
CME Term SOFR 1 Month + 1.0145%, 6.3719%, 11/15/37 (144A) <sup>‡</sup> Cold Storage Trust 2020-ICE5 B,	7,978,934	7,928,198
CME Term SOFR 1 Month + 1.4145%, 6.7719%, 11/15/37 (144A) <sup>‡</sup> Cold Storage Trust 2020-ICE5 C,	2,944,057	2,908,764
CME Term SOFR 1 Month + 1.7645%, 7.1219%, 11/15/37 (144A) <sup>‡</sup> COLT Funding LLC 2020-2,	2,955,853	2,919,991
Refinitiv USD IBOR Consumer Cash Fallbacks 1 Year + 1.5000%, 1.8530%, 3/25/65 (144A) <sup>‡</sup>	13,041	12,913
COLT Funding LLC 2020-3,		
Refinitiv USD IBOR Consumer Cash Fallbacks 1 Year + 1.2000%, 1.5060%, 4/27/65 (144A)‡	223,363	205,827
Connecticut Avenue Securities Trust 2018-R07, US 30 Day Average SOFR + 2.5145%, 7.8519%, 4/25/31 (144A)‡	62,372	62,410
Connecticut Avenue Securities Trust 2019-R07,		
US 30 Day Average SOFR + 2.2145%, 7.5519%, 10/25/39 (144A) <sup>‡</sup> Connecticut Avenue Securities Trust 2021-R01 1M2,	14,614	14,620
US 30 Day Average SOFR + 1.5500%, 6.8874%, 10/25/41 (144A) <sup>‡</sup> Connecticut Avenue Securities Trust 2021-R02 2M2,	519,926	516,679
US 30 Day Average SOFR + 2.0000%, 7.3374%, 11/25/41 (144A) <sup>‡</sup> Connecticut Avenue Securities Trust 2021-R03 1M1,	12,768,015	12,646,339
US 30 Day Average SOFR + 0.8500%, 6.1874%, 12/25/41 (144A) <sup>‡</sup> Connecticut Avenue Securities Trust 2021-R03 1M2,	2,034,576	2,022,017
US 30 Day Average SOFR + 1.6500%, 6.9874%, 12/25/41 (144A) <sup>‡</sup>	3,124,000	3,060,528
Connecticut Avenue Securities Trust 2022-R02 2M2, US 30 Day Average SOFR + 3.0000%, 8.3374%, 1/25/42 (144A) <sup>‡</sup>	3,661,000	3,692,812
Connecticut Avenue Securities Trust 2022-R03 1M1, US 30 Day Average SOFR + 2.1000%, 7.4374%, 3/25/42 (144A) <sup>‡</sup>	5,549,556	5,612,789
Connecticut Avenue Securities Trust 2022-R04 1M1, US 30 Day Average SOFR + 2.0000%, 7.3374%, 3/25/42 (144A) <sup>‡</sup>	2,321,327	2,342,580
Connecticut Avenue Securities Trust 2022-R05 2M1, US 30 Day Average SOFR + 1.9000%, 7.2374%, 4/25/42 (144A) <sup>‡</sup>	2,821,463	2,830,643
Connecticut Avenue Securities Trust 2022-R05 2M2, US 30 Day Average SOFR + 3.0000%, 8.3374%, 4/25/42 (144A)‡	2,737,000	2,787,429
11 11 13ay	2,.07,000	2,101,120

	Shares or Principal Amounts	Value
Asset-Backed/Commercial Mortgage-Backed Securities- (continued) Connecticut Avenue Securities Trust 2022-R09 2M1,		
US 30 Day Average SOFR + 2.5000%, 7.8374%, 9/25/42 (144A) <sup>‡</sup> Connecticut Avenue Securities Trust 2023-R01 1M1,	\$5,496,626	\$5,579,481
US 30 Day Average SOFR + 2.4000%, 7.7374%, 12/25/42 (144A)‡ Connecticut Avenue Securities Trust 2023-R03 2M1,	2,762,312	2,806,203
US 30 Day Average SOFR + 2.5000%, 7.8374%, 4/25/43 (144A) <sup>‡</sup>	3,802,624	3,802,583
Connecticut Avenue Securities Trust 2023-R04 1M1, US 30 Day Average SOFR + 2.3000%, 7.6374%, 5/25/43 (144A)‡	4,745,110	4,812,051
Connecticut Avenue Securities Trust 2023-R06 1M1, US 30 Day Average SOFR + 1.7000%, 7.0374%, 7/25/43 (144A)‡	4,364,227	4,364,191
Connecticut Avenue Securities Trust 2023-R07 2M1, US 30 Day Average SOFR + 1.9500%, 7.2874%, 9/25/43 (144A) <sup>‡</sup> Connecticut Avenue Securities Trust 2023-R08 1M1,	2,000,471	2,000,456
US 30 Day Average SOFR + 1.5000%, 6.8374%, 10/25/43 (144A) <sup>‡</sup> CP EF Asset Securitization I LLC 2002-1A A, 5.9600%, 4/15/30 (144A)	4,170,870 1,428,964	4,170,842
CPF IV LLC / CP EF Asset Securitization LLC 2023-1A A,		1,420,530
7.4800%, 3/15/32 (144A) CDB Sovietization Trust 2003, 1, 4, 6,0600%, 10/20/33 (144A)	4,001,734	4,016,543
CRB Securitization Trust 2023-1 A, 6.9600%, 10/20/33 (144A) Credit Suisse Commercial Mortgage Trust 2019-ICE4,	1,698,339	1,708,772
CME Term SOFR 1 Month + 1.0270%, 6.3890%, 5/15/36 (144A) <sup>‡</sup> Credit Suisse Commercial Mortgage Trust 2019-ICE4 C,	7,863,437	7,851,815
CME Term SOFR 1 Month + 1.4770%, 6.8390%, 5/15/36 (144A) <sup>‡</sup> Credit Suisse Commercial Mortgage Trust 2021-WEHO A,	1,482,312	1,477,870
CME Term SOFR 1 Month + 4.0838%, 9.4458%, 4/15/26 (144A) <sup>‡</sup>	3,098,283	3,046,569
CyrusOne Data Centers Issuer I LLC 2023-2A A2, 5.5600%, 11/20/48 (144A)	11,304,000	10,795,786
DBCCRE Mortgage Trust 2014-ARCP D, 4.9345%, 1/10/34 (144A)‡	809,000	801,745
DBCCRE Mortgage Trust 2014-ARCP E, 4.9345%, 1/10/34 (144A)‡	3,758,000	3,711,023
DBCCRE Mortgage Trust 2014-ARCP F, 4.9345%, 1/10/34 (144A) <sup>‡</sup>	689,000	678,369
DC Commercial Mortgage Trust 2023-DC A, 6.3143%, 9/12/40 (144A)	6,003,000	6,175,840
Diamond Infrastructure Funding LLC 2021-1A A, 1.7600%, 4/15/49 (144A) DROP Mortgage Trust 2021-FILE A,	4,917,000	4,364,500
CME Term SOFR 1 Month + 1.2645%, 6.6265%, 10/15/43 (144A) <sup>‡</sup> Dryden Senior Loan Fund 2020-83A A,	2,133,961	1,973,982
CME Term SOFR 3 Month + 1.4816%, 6.7915%, 1/18/32 (144A) <sup>‡</sup> Elmwood CLO VIII Ltd 2019-2A AR,	2,264,477	2,264,552
CME Term SOFR 3 Month + 1.4116%, 6.8274%, 4/20/34 (144A)‡	2,590,000	2,589,847
Exeter Automobile Receivables Trust 2021-1A D, 1.0800%, 11/16/26 Extended Stay America Trust 2021-ESH A,	3,089,000	2,987,530
CME Term SOFR 1 Month + 1.1945%, 6.5565%, 7/15/38 (144A)‡	2,412,942	2,389,476
Fannie Mae REMICS, 3.0000%, 5/25/48	2,095,551	1,894,663
Fannie Mae REMICS, 3.0000%, 11/25/49	2,678,356	2,421,170
Flagstar Mortgage Trust 2021-13IN A2, 3.0000%, 12/30/51 (144A)‡	9,118,524	7,761,525
Freddie Mac - SLST 2020-2 M1, 4.7500%, 9/25/60 (144A) <sup>‡</sup>	1,796,149	1,732,141
Freddie Mac Structured Agency Credit Risk Debt Notes 2019-DNA4 M2,		
US 30 Day Average SOFR + 2.0645%, 7.4019%, 10/25/49 (144A) <sup>‡</sup> Freddie Mac Structured Agency Credit Risk Debt Notes 2020-DNA6 M2,	8,023	8,029
US 30 Day Average SOFR + 2.0000%, 7.3374%, 12/25/50 (144A)‡ Freddie Mac Structured Agency Credit Risk Debt Notes 2020-HQA5 M2,	3,225,453	3,269,536
US 30 Day Average SOFR + 2.6000%, 7.9374%, 11/25/50 (144A)‡	3,422,535	3,483,175
Freddie Mac Structured Agency Credit Risk Debt Notes 2021-DNA1 M2, US 30 Day Average SOFR + 1.8000%, 7.1374%, 1/25/51 (144A)‡	1,462,186	1,467,624
Freddie Mac Structured Agency Credit Risk Debt Notes 2021-DNA2 M2, US 30 Day Average SOFR + 2.3000%, 7.6374%, 8/25/33 (144A)‡	8,703,103	8,760,165
Freddie Mac Structured Agency Credit Risk Debt Notes 2021-DNA6 M1, US 30 Day Average SOFR + 0.8000%, 6.1374%, 10/25/41 (144A)‡	2,721,826	2,710,639
Freddie Mac Structured Agency Credit Risk Debt Notes 2021-DNA7 M1, US 30 Day Average SOFR + 0.8500%, 6.1874%, 11/25/41 (144A)‡	2,880,837	2,867,019

Pr	Shares or incipal Amounts	Value
Asset-Backed/Commercial Mortgage-Backed Securities- (continued) Freddie Mac Structured Agency Credit Risk Debt Notes 2021-HQA1 M2,		
US 30 Day Average SOFR + 2.2500%, 7.5874%, 8/25/33 (144A)‡ Freddie Mac Structured Agency Credit Risk Debt Notes 2021-HQA4 M1,	\$15,714,111	\$15,669,413
US 30 Day Average SOFR + 0.9500%, 6.2874%, 12/25/41 (144A) <sup>‡</sup>	5,944,630	5,852,990
Freddie Mac Structured Agency Credit Risk Debt Notes 2022-DNA2 M1A, US 30 Day Average SOFR + 1.3000%, 6.6374%, 2/25/42 (14A4)‡	1,149,229	1,147,450
Freddie Mac Structured Agency Credit Risk Debt Notes 2022-DNA3 M1A, US 30 Day Average SOFR + 2.0000%, 7.3374%, 4/25/42 (14A4)‡	1,143,960	1,151,775
Freddie Mac Structured Agency Credit Risk Debt Notes 2022-DNA6 M1A, US 30 Day Average SOFR + 2.1500%, 7.4874%, 9/25/42 (14A4)‡	888,978	896,537
Freddie Mac Structured Agency Credit Risk Debt Notes 2022-HQA1 M1A, US 30 Day Average SOFR + 2.1000%, 7.4374%, 3/25/42 (144A) <sup>‡</sup> Freddie Mac Structured Agency Credit Risk Debt Notes 2022-HQA2 M1A,	7,058,816	7,101,655
US 30 Day Average SOFR + 2.6500%, 7.9874%, 7/25/42 (144A) <sup>‡</sup>	1,946,485	1,986,701
Freddie Mac Structured Agency Credit Risk Debt Notes 2022-HQA3 M1A, US 30 Day Average SOFR + 2.3000%, 7.6374%, 8/25/42 (144A) <sup>‡</sup> Freddie Mac Structured Agency Credit Risk Debt Notes 2003, DNA9 M1A	1,792,586	1,820,214
Freddie Mac Structured Agency Credit Risk Debt Notes 2023-DNA2 M1A, US 30 Day Average SOFR + 2.1000%, 7.4374%, 4/25/43 (144A) <sup>‡</sup> Freddie Mac Structured Agency Credit Risk Debt Notes 2023-HQA2 M1A,	2,064,352	2,064,329
US 30 Day Average SOFR + 2.0000%, 7.3374%, 6/25/43 (144A) <sup>‡</sup> Freddie Mac Structured Agency Credit Risk Debt Notes 2023-HQA3 A1,	525,600	529,103
US 30 Day Average SOFR + 1.8500%, 7.1874%, 11/25/43 (144A)‡ Freddie Mac Structured Agency Credit Risk Debt Notes 2023-HQA3 M1,	2,097,525	2,108,235
US 30 Day Average SOFR + 1.8500%, 7.1874%, 11/25/43 (144A)‡ GCAT 2022-INV1 A1, 3.0000%, 12/25/51 (144A)‡	3,611,082 11,852,877	3,611,048 10,074,104
GCAT 2023-INV1 A1, 6.0000%, 8/25/53 (144A) <sup>‡</sup> Great Wolf Trust,	7,779,606	7,802,011
CME Term SOFR 1 Month + 1.1485%, 6.7105%, 12/15/36 (144A) <sup>‡</sup> Great Wolf Trust,	5,612,000	5,583,871
CME Term SOFR 1 Month + 1.4485%, 7.0105%, 12/15/36 (144A)‡ Great Wolf Trust,	1,195,000	1,189,389
CME Term SOFR 1 Month + 1.7475%, 7.3095%, 12/15/36 (144A) <sup>‡</sup> Highbridge Loan Management Ltd 2021-16A B,	1,332,000	1,322,288
CME Term SOFR 3 Month + 1.9616%, 7.3735%, 1/23/35 (144A)‡ Hudson Bay Simon JV Trust 2015-HB7 A7, 3.9141%, 8/5/34 (144A)	1,569,525 2,146,738	1,562,740 1,927,953
Hudsons Bay Simon JV Trust 2015-HB10 A10, 4.1545%, 8/5/34 (144A)  Imerial Fund LLC 2023-NOM1 A1, 5.9410%, 2/25/68 (144A)  IDMARKON Characteristics and Authors Son Trust 2000 ACE A	934,661 3,842,626	775,876 3,810,494
JP Morgan Chase Commercial Mortgage Sec Trust 2020-ACE A, 3.2865%, 1/10/37 (144A) JP Morgan Chase Commercial Mortgage Sec Trust 2020-ACE B,	6,696,000	6,425,560
3.6401%, 1/10/37 (144A)	4,540,000	4,294,728
LAD Auto Receivables Trust 2021-1A A, 1.3000%, 8/17/26 (144A) LAD Auto Receivables Trust 2022-1A A, 5.2100%, 6/15/27 (144A)	574,585 3,598,423	567,363 3,580,238
LCM LP 24A AR, CME Term SOFR 3 Month + 1.2416%, 6.6574%, 3/20/30 (144A)‡ Lendbuzz Securitization Trust 2021-1A A, 4.2200%, 5/17/27 (144A)‡ Lendbuzz Securitization Trust 2023-1A A2, 6.9200%, 8/15/28 (144A)	1,483,197 2,993,953 2,448,111	1,482,772 2,918,868 2,455,020
Life Financial Services Trust 2021-BMR A, CME Term SOFR 1 Month + 0.8145%, 6.1765%, 3/15/38 (144A) <sup>‡</sup>	9,993,858	9,776,779
Life Financial Services Trust 2021-BMR C,  CME Term SOFR 1 Month + 1.2145%, 6.5765%, 3/15/38 (144A) <sup>‡</sup>	4,199,248	4,068,204
Life Financial Services Trust 2022-BMR2 A1, CME Term SOFR 1 Month + 1.2952%, 6.6571%, 5/15/39 (144A) <sup>‡</sup> Life Financial Services Trust 2022-BMR2 B,	11,353,000	11,113,478
CME Term SOFR 1 Month + 1.7939%, 7.1557%, 5/15/39 (144A) <sup>‡</sup> M&T Equipment Notes 2023-1A A2, 6.0900%, 7/15/30 (144A)	1,854,000 3,246,000	1,807,730 3,253,078
M&T Equipment Notes 2023-1A A2, 0.0900%, 7/10/30 (144A) M&T Equipment Notes 2023-1A A3, 5.7400%, 7/15/30 (144A) Madison Park Funding Ltd 2019-35A A1R,	1,785,000	1,793,259
CME Term SOFR 3 Month + 1.2516%, 6.6674%, 4/20/32 (144A) <sup>‡</sup>	11,055,000	11,047,295

	Shares or Principal Amounts	Value
Asset-Backed/Commercial Mortgage-Backed Securities (continued)	·	
Marlette Funding Trust 2023-2A B, 6.5400%, 6/15/33 (144A) MED Trust 2021-MDLN A,	\$1,846,000	\$1,863,246
CME Term SOFR 1 Month + 1.0645%, 6.4265%, 11/15/38 (144A) <sup>‡</sup> MED Trust 2021-MDLN E,	1,582,406	1,549,769
CME Term SOFR 1 Month + 3.2645%, 8.6265%, 11/15/38 (144A)‡	6,303,747	6,105,897
Mello Mortgage Capital Acceptance Trust 2021-INV2 A11, US 30 Day Average SOFR + 0.9500%, 5.0000%, 8/25/51 (144A) <sup>‡</sup> Mello Mortgage Capital Acceptance Trust 2021-INV3 A11,	3,079,692	2,853,534
US 30 Day Average SOFR + 0.9500%, 5.0000%, 10/25/51 (144A) <sup>‡</sup> Mello Mortgage Capital Acceptance Trust 2021-INV4 A3,	3,836,697	3,555,202
2.5000%, 12/25/51 (144A)‡ Mello Mortgage Capital Acceptance Trust 2022-INV1 A2,	2,760,303	2,258,817
3.0000%, 3/25/52 (144A) <sup>‡</sup> Mercury Financial Credit Card Master Trust 2023-1A A,	8,125,738	6,916,476
8.0400%, 9/20/27 (144A)	5,807,000	5,811,212
MHC Commercial Mortgage Trust 2021-MHC A, CME Term SOFR 1 Month + 0.9154%, 6.2774%, 4/15/38 (144A)‡ MHC Commercial Mortgage Trust 2021-MHC C,	7,120,604	7,039,565
CME Term SOFR 1 Month + 1.4654%, 6.8274%, 4/15/38 (144A) <sup>‡</sup> NCMF Trust 2022-MFP A,	4,019,931	3,959,772
CME Term SOFR 1 Month + 1.7420%, 7.1038%, 3/15/39 (144A) <sup>‡</sup>	3,432,000	3,396,135
New Economy Assets Phase 1 Issuer LLC 2021-1 B1, 2.4100%, 10/20/61 (144A)  New Residential Mortgage Loan Trust 2018-2,  Refinitiv USD IBOR Consumer Cash Fallbacks 6 Months + 0.6800%, 4.5000%,	2,779,000	2,253,008
2/25/58 (144A) <sup>‡</sup> NRZ Excess Spread Collateralized Notes 2020-PLS1 A,	364,383	353,658
3.8440%, 12/25/25 (144A) NRZ Excess Spread Collateralized Notes 2021-FHT1 A, 3.1040%, 7/25/26 (144A)	784,039 1,515,159	744,380 1,400,453
Oak Street Investment Grade Net Lease Fund 2020-1A A1,	1,010,100	1,400,400
1.8500%, 11/20/50 (144A)	3,562,668	3,251,715
Oasis Securitization 2022-1A A, 4.7500%, 5/15/34 (144A)	658,773	656,685
Oasis Securitization 2022-2A A, 6.8500%, 10/15/34 (144A)	939,795	939,778
Oceanview Mortgage Trust 2021-5 AF, US 30 Day Average SOFR + 0.8500%, 5.0000%, 11/25/51 (144A)‡	4,327,286	3,995,642
Oceanview Mortgage Trust 2022-1 A1, 3.0000%, 12/25/51 (144A) <sup>‡</sup>	4,785,813	4,073,598
Oceanview Mortgage Trust 2022-2 A1, 3.0000%, 12/25/51 (144A)‡	8,956,708	7,623,805
Onslow Bay Financial LLC 2021-INV3 A3, 2.5000%, 10/25/51 (144A)‡	3,308,001	2,707,389
Onslow Bay Financial LLC 2022-INV1 A1, 3.0000%, 12/25/51 (144A) <sup>‡</sup>	8,970,664	7,635,684
Onslow Bay Financial LLC 2022-INV1 A18, 3.0000%, 12/25/51 (144A)‡ OPEN Trust 2023-AIR A,	3,804,027	3,150,178
CME Term SOFR 1 Month + 3.0891%, 8.4509%, 10/15/28 (144A) <sup>‡</sup> OPEN Trust 2023-AIR C,	4,791,708	4,827,087
CME Term SOFR 1 Month + 5.2359%, 10.5977%, 10/15/28 (144A) <sup>‡</sup>	1,775,178	1,782,670
Pagaya Al Debt Selection Trust 2022-1 A, 2.0300%, 10/15/29 (144A)	889,830	876,252
Preston Ridge Partners Mortgage Trust 2020-4 A1, 5.9510%, 10/25/25 (144A) <sup>©</sup>	2,200,707	2,153,931
Preston Ridge Partners Mortgage Trust 2021-10 A1, 2.4870%, 10/25/26 (144A) <sup>©</sup>	6,240,589	5,890,375
Preston Ridge Partners Mortgage Trust 2021-9 A1, 2.3630%, 10/25/26 (144A) <sup>c</sup> Preston Ridge Partners Mortgage Trust 2022-2 A1, 5.0000%, 3/25/27 (144A) <sup>c</sup>	4,539,229 6,760,959	4,286,481 6,583,184
Pretium Mortgage Credit Partners LLC 2023-RN1 A1, 8.2321%, 9/25/53 (144A) <sup>c</sup> Rad CLO Ltd 2023-21A A,	8,513,006	8,685,702
CME Term SOFR 3 Month + 1.5900%, 0%, 1/25/33 (144A)‡ Reach Financial LLC 2022-2A A, 6.6300%, 5/15/30 (144A)	4,493,293 428,870	4,491,015 429,004
Regatta XXIII Funding Ltd 2021-4A B,	•	·
ČME Term SOFR 3 Month + 1.9616%, 7.3774%, 1/20/35 (144A) <sup>‡</sup> Saluda Grade Alternative Mortgage Trust 2023-FIG3 A,	1,732,772	1,732,652
7.0670%, 8/25/53 (144A) <sup>‡</sup> Saluda Grade Alternative Mortgage Trust 2023-FIG4 A,	8,486,955	8,671,233
6.7180%, 11/25/53 (144A) <sup>‡</sup> Saluda Grade Alternative Mortgage Trust 2023-SEQ3 A1,	5,692,000	5,691,961
Prime Rate by Country United States + 2.3000%, 7.1620%, 6/1/53 (144A) <sup>‡</sup>	2,209,245	2,232,404

Assel-Backed/Commercial Mortgage-Backed Securities - Continued) Santander Bank Auto Cerell: Linked Notes 2021-14, B. J. B3309, 12/15/31 (144A) Santander Bank Auto Cerell: Linked Notes 2022-9, B. 5.2810%, 5/15/32 (144A) Santander Bank Auto Cerell: Linked Notes 2022-9, B. 5.2810%, 8/16/32 (144A) Santander Bank Auto Cerell: Linked Notes 2022-9, B. 5.2810%, 8/16/32 (144A) Sequelia Mortgage Trust 2020-5, 2.55000%, 5/25/543 (144A); Sequelia Mortgage Trust 2020-5, 3.5500%, 5/25/55 (144A); Sequelia Mortgage Trust 2020-5, 3.5500%, 5/25/55 (144A); Signal Peak CLO LLC 2022-12A A1, 8.89 10%, 7/10/287 Signal Peak CLO LLC 2022-12A A1, 8.89 10%, 7/10/287 Signal Peak CLO LLC 2022-12A A1, 8.89 10%, 7/10/287 Sound Point CLO Ltd 2019-1A AR, CME Tom SOFR 3 Month + 13416%, 6/75/74%, 1/20/32 (144A); Spruce Hill Mortgage Loan Trust 2020-SH 1A1, Refinitiv USD IBOR Consumer Cash Fallbacks 1 Year + 0.9900%, 2.52 10%, 1/28/50 (144A); Seruci Hill Mortgage Loan Trust 2020-SH 1A2, Refinitiv USD IBOR Consumer Cash Fallbacks 1 Year + 1.0500%, 2.52 40%, 1/28/50 (144A); SHEIT Trust 2021-MFR B, 8.00 10%, 9/29/56 (144A); SHEIT Trust 2021-MFR B, 8.00 10%, 9/29/56 (144A); THE Consumer Cash Fallbacks 1 Year + 1.0500%, 2.52 40%, 1/28/50 (144A); SHEIT Trust 2021-MFR B, 8.00 10%, 9/29/56 (144A); THE Consumer Cash Fallbacks 1 Year + 0.9900%, 2.52 40%, 1/28/50 (144A); SHEIT Trust 2021-MFR B, 8.00 10%, 9/29/56 (144A); THE Consumer Cash Fallbacks 1 Year + 0.9900%, 2.52 40%, 1/28/50 (144A); SHEIT Trust 2021-MFR B, 8.00 10%, 9/29/56 (144A); The Consumer Cash Fallbacks 1 Year + 0.9900%, 2.50		Shares or Principal Amounts	Value
Santander Bank Auto Credit-Linked Notes 2021-1A B, 18330%, 12/15/31 (144A) 3435,883 3,159,224 Santander Bank Auto Credit-Linked Notes 2022-8 B, 25,816 ya, 5175/32 (144A) 1,091,711 1,083,180 52,1764 Santander Bank Auto Credit-Linked Notes 2022-8 A, 2, 5870%, 8716/32 (144A) 1,091,711 1,083,180 52,1764 Sequoia Mortgage Trust 2020-5,25000%, 37207-8 (144A) 1,091,711 1,083,180 1,091,711 1,083,180 1,091,711 1,083,180 1,091,711 1,	Asset-Backed/Commercial Mortgage-Backed Securities (continued)		
Santander Bank Auto Credit-Linked Notes 2022-A B, 5.28 10%, 5/15/28 (144A)		\$435,883	\$494.454
Santander Bank Auto Credit-Linked Notes 2022-B.A.S. 5870%, 8/16/32 (144A)			
Sequois Mortgage Tinst 2007-9, 25,000%, 5725/43 (144A)			
Sequipola Mortgage   Trust 2020-2, 35000%, 3/25/50 (144A)*			
Signal Peak CLÛ LLC 2022-12A A1, 68910%, 7710728F   10,699,000   11,177,592   (144A)F   11,242,000   11,003,835   (144A)F   12,876   (1			
SMRT 2022-MINI A, CME Term SOFR I Month + 1.0000%, 6.3620%, 1/15/39  (1.44A) <sup>1</sup> Sound Point CLO Ltd 2019-1A AR, CME Term SOFR 3 Month + 1.3416%, 6.7574%, 1/20/32 (144A) <sup>1</sup> Spruce Hill Mortgage Loan Trust 2020-SH1 A1, Refinity USD IBOR Consumer Cash Fallsacks 1 Year + 0.9500%, 2.5210%, 1/28/50 (144A) <sup>1</sup> Spruce Hill Mortgage Loan Trust 2020-SH1 A2, Refinity USD IBOR Consumer Cash Fallsacks 1 Year + 1.0500%, 2.6240%, 1/28/50 (144A) <sup>1</sup> SREIT Trust 2021-MFP A, CME Term SOFR 1 Month + 0.8453%, 6.2071%, 11/15/38 (144A) <sup>1</sup> SREIT Trust 2021-MFP A, CME Term SOFR 1 Month + 0.8453%, 6.2071%, 11/15/38 (144A) <sup>1</sup> Foreia Auto Lease Trust 2021-B B, 0.9100%, 9/22/25 (144A)  The 2023-MRC Trust 2023-MRC A, 8.4366%, 12/5/38 (144A) <sup>2</sup> Towlard SOFR 3 Month + 1,4216%, 6.8374%, 7/20/34 (144A) <sup>2</sup> Towlard Foint Mortgage Trust 2023-CES1 A1 A, 67500%, 7/25/63 (144A) <sup>2</sup> Towlard Foint Mortgage Trust 2023-CES1 A1 A, 7/5900%, 10/25/63 (144A) <sup>2</sup> US 30 Day Average SOFR + 0.9000%, 8.0000%, 9/27/561 (144A) <sup>2</sup> Us 30 Day Average SOFR + 0.9000%, 8.0000%, 9/27/57/1 (144A) <sup>2</sup> Upstant Securitization Trust 2021-4 A, 0.84100%, 9/20/31 (144A) <sup>3</sup> Upstant Securitization Trust 2021-4 A, 0.84100%, 9/20/31 (144A) <sup>3</sup> Upstant Securitization Trust 2021-4 A, 0.84100%, 9/20/31 (144A) <sup>3</sup> Upstant Securitization Trust 2021-4 A, 0.84100%, 9/20/31 (144A) <sup>3</sup> Upstant Securitization Trust 2021-4 A, 0.84100%, 9/20/31 (144A)  Upstant Securitization Trust 2020-5 A, 4.37106%, 6/16/16/16/1			
11,242,000		10,692,000	11,177,552
Sound Point CLO Ltd 2019-1 A AR, CME Term SOFR 3 Month + 1,3416%, 67574%, 1/20/32 (144A) <sup>1</sup> Spruce Hill Mortgage Loan Trust 2020-SH1 A1, Refinity USD IBOR Consumer Cash Fallbacks 1 Year + 0.9500%, 2.5210%, 1/28/50 (144A) <sup>2</sup> Spruce Hill Mortgage Loan Trust 2020-SH1 A2, Refinity USD IBOR Consumer Cash Fallbacks 1 Year + 1.0500%, 2.6240%, 1/28/50 (144A) <sup>2</sup> SREIT Trust 2021-MFP A, CME Term SOFR 1 Month + 0.8453%, 6.2071 %, 11/15/38 (144A) <sup>3</sup> GF9,373 GF9,			
Sound Point CLO Ltd 2019-1 A AR, CME Term SOFR 3 Month + 1,3416%, 67574%, 1/20/32 (144A) <sup>1</sup> Spruce Hill Mortgage Loan Trust 2020-SH1 A1, Refinity USD IBOR Consumer Cash Fallbacks 1 Year + 0.9500%, 2.5210%, 1/28/50 (144A) <sup>2</sup> Spruce Hill Mortgage Loan Trust 2020-SH1 A2, Refinity USD IBOR Consumer Cash Fallbacks 1 Year + 1.0500%, 2.6240%, 1/28/50 (144A) <sup>2</sup> SREIT Trust 2021-MFP A, CME Term SOFR 1 Month + 0.8453%, 6.2071 %, 11/15/38 (144A) <sup>3</sup> GF9,373 GF9,	(144A) <sup>‡</sup>	11,242,000	11,003,835
CME Term SOFR 3 Month + 1.34 16% 6.7574% 1/20/32 (144A) <sup>‡</sup> 8,304,000 8,221,14 Spruce Hill Mortgage Loan Trust 2020-SH1 A2, Refinity USD IBOR Consumer Cash Fallbacks 1 Year + 0.9500%, 2.6210%, 1/26/50 (144A) <sup>‡</sup> 8,4978 34,704 SREIT Trust 2020-SH1 A2, Refinity USD IBOR Consumer Cash Fallbacks 1 Year + 1.0500%, 2.6240%, 1/26/50 (144A) <sup>‡</sup> 34,978 34,704 SREIT Trust 2021-MFP A, CME Term SOFR 1 Month + 0.8453%, 6.2071%, 11/15/38 (144A) <sup>‡</sup> 679,373 667,915 Tosla Auto Lease Trust 2021-B B, 0.9100%, 9/22/25 (144A) 1,278,000 1,245,835 THE 2023-MIC Trust 2023-MIC A, 43,366%, 12/5738 (144A) <sup>‡</sup> 5,052,469 5,318,365 THE 2023-MIC Trust 2023-MIC A, 43,366%, 12/5738 (144A) <sup>‡</sup> 2,394,000 2,389,983 TOW Forth Mortgage Trust 2023-CES1 A1A, 6.7500%, 7/25/63 (144A) <sup>‡</sup> 2,265,471 2,288,915 Towd Point Mortgage Trust 2023-CES1 A1A, 6.7500%, 7/25/63 (144A) <sup>‡</sup> 3,257,532 3,366,382 TYSN 2023-CRNR Mortgage Trust 2023-CESNR A 6.7990%, 10/10/25/63 (144A) <sup>‡</sup> 3,257,532 3,366,382 TYSN 2023-CRNR Mortgage Trust 2003-CESNR A 6.7990%, 10/10/38 (144A) <sup>‡</sup> 3,257,532 3,366,382 TYSN 2023-CRNR Mortgage Trust 2003-CESNR A 6.7990%, 10/10/38 (144A) <sup>‡</sup> 3,257,532 3,366,382 TYSN 2023-CRNR Mortgage Trust 2023-CESNR A 6.7990%, 10/10/38 (144A) <sup>‡</sup> 3,257,532 3,366,382 TYSN 2023-CRNR Mortgage Trust 2023-CESNR A 6.7990%, 10/10/38 (144A) <sup>‡</sup> 3,257,532 3,366,382 TYSN 2023-CRNR Mortgage Trust 2023-CESNR A 6.7990%, 10/10/38 (144A) <sup>‡</sup> 3,257,532 3,366,382 TYSN 2023-CRNR Mortgage Trust 2023-CESNR A 6.7990%, 10/10/38 (144A) <sup>‡</sup> 3,190,834 1,728,902 Upstart Securitization Trust 2021-4.0 A,040%, 9/20/31 (144A) 2,109,814 1,728,902 Upstart Securitization Trust 2021-4.0 A,040%, 9/20/31 (144A) 205,443 203,801 Upstart Securitization Trust 2021-4.0 A,040%, 9/20/31 (144A) 205,443 203,801 Upstart Securitization Trust 2021-4.0 A,040%, 9/20/31 (144A) 2,05,443 2,198,331 1,98,324 Upstart Securitization Trust 2002-2-A, 4.3700%, 5/20/32 (144A) 2,05,443 2,187 44,444 2,198,200 4,449,444 2,144,444 2,144,444 2,144,444 2,144,444 2,144,444 2,144,444 2,144,444 2,144,444 2,144,444 2,144,444 2,144,444 2,144,44		, ,	, ,
Spruce Hill Mortgage Loan Trust 2020-SH1 A1, Refinity USD IBOR Consumer Cash Fallbacks 1 Year + 0.9500%, 2.5210%, 1/28/50 (144A)*		8 304 000	8 999 114
Refinity USD IBOR Consumer Cash Fallbacks 1 Year + 0.9500%, 2.5210%, 1.728/50 (144A)*  Spruce Hill Mortgage Loan Trust 2020-SH1 A2, Refinity USD IBOR Consumer Cash Fallbacks 1 Year + 1.0500%, 2.6240%, 1.728/50 (144A)*  SREIT Trust 2021-MFP A, CME Term SOFR 1 Month + 0.84639%, 6.2071%, 11/15/38 (144A)*  Tesla Auth Lease Trust 2021-B B, 0.9100%, 9/22/25 (144A) 1.278,000 1.245,835 THE 2023-MIC Trust 2023-MIC A, 84366%, 1.275/38 (144A)*  TESL 2023-MIC Trust 2023-MIC A, 84366%, 1.275/38 (144A)*  THE 2023-MIC Trust 2023-MIC A, 84366%, 1.275/38 (144A)*  THE Credit Wind River CLO Ltd 2019-1.4 AR  CME Term SOFR 3 Month + 1.4216%, 6.8374%, 7/20/34 (144A)*  Towd Plant Mertgage Trust 2023-CESD A, 7.2940%, 1.0/25/63 (144A)*  Towd Plant Mertgage Trust 2023-CESD A, 7.2940%, 10/25/63 (144A)*  Towd Plant Mertgage Trust 2023-CESD A, 7.2940%, 10/25/63 (144A)*  Towd Plant Mertgage Trust 2023-CENR A, 6.75909%, 12/10/33 (144A)*  USB Oby Average SOFR + 0.9900%, 5.0000%, 5.2050%, 12/25/51 (144A)*  USB Oby Average SOFR + 0.9900%, 5.0000%, 5.205%, 12/25/51 (144A)*  Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A)*  Upstart Securitization Trust 2021-4 A, 3.1200%, 5/20/32 (144A)  Upstart Securitization Trust 2022-1 A, 3.1200%, 5/20/32 (144A)  VASA Trust 2021-VASA A,  CME Term SOFR 1 Month + 1.0145%, 6.3765%, 7/15/39 (144A)*  VASA Trust 2021-VASA A,  CME Term SOFR 1 Month + 1.1645%, 6.2765%, 7/15/39 (144A)*  Vestalke Automobile Receivable Trust 2023-3 AA 2A, 5.9600%, 10/16/26 (144A)  VASA Trust 2021-VASA A,  CME Term SOFR 1 Month + 1.2645%, 6.8265%, 2/15/40 (144A)*  Vestalke Automobile Receivable Trust 2023-3 AA 2A, 5.9600%, 10/16/26 (144A)  VESTA Section SOFR 1 Month + 1.7645%, 7.1227%, 1/18/37 (144A)*  Vestalke Automobile Receivable Trust 2023-3 AA 2A, 5.9600%, 10/16/26 (1		0,004,000	0,222,114
1/28/50 (144A)    6,189   6,140			
Spruce Hill Mortgage Loan Trust 2020-SH1 A2, Refinitiv USD IBOR Consumer Cash Fallbacks 1 Year + 1.0500%, 2.6240%, 1.28750 (144A)* 34,778   34,978   34,774   SREIT Trust 2021-MPA		0.100	0.1.10
Refinitiv USD IBOR Consumer Cash Fallbacks 1 Year + 1.0500%, 2.6240%, 1.728/50 (144A)* SREIT Trust 2021-IMFP A, CME Term SOFR 1 Month + 0.8453%, 6.2071%, 11/15/38 (144A)* CME Term SOFR 1 Month + 0.8453%, 6.2071%, 11/15/38 (144A)* Tesla Auto Lease Trust 2021-B B, 0.9100%, 9/22/25 (144A) 1.278,000 1.245,835 THE 2023-MIC Trust 2023-MIC A, 84366%, 12/5/38 (144A)* THE 2023-MIC Tust 2023-MIC A, 84366%, 12/5/38 (144A)* THE Credit Wind River CLO Ltd 2019-1A AR. CME Term SOFR 3 Month + 1.4216%, 6.88714%, 7/20/34 (144A)* 2,394,000 2,382,983 Towl Point Mortgage Trust 2023-CES1 A1A, 6.7500%, 7/25/63 (144A)* 2,265,471 2,288,915 Towl Point Mortgage Trust 2023-CES2 A1A, 7.2940%, 10/25/63 (144A)* TVSN 2023-CRNR Mortgage Trust 2023-CES2 A1A, 7.2940%, 10/25/63 (144A)* 3,267,532 3,263,822 TVSN 2023-CRNR Mortgage Trust 2023-CES1 A1A, 5.7500%, 7/25/63 (144A)* 3,267,532 3,263,822 Usia Ward Securitization Trust 2021-5, 50000%, 8/25/51 (144A)* 3,615,061 3,340,196 United Wholesale Mortgage LLC 2021-INV1 A9, 250,00%, 12/25/51 (144A)* 2,616,061 3,340,196 United Wholesale Mortgage LLC 2021-INV1 A9, 250,00%, 12/25/51 (144A)* 2,616,443 203,801 Upstart Securitization Trust 2021-5 A, 13100%, 11/20/31 (144A) 295,443 2,944,444 2,945,444 2,946,444 2,9		6,189	6,140
1/28/50 (144A) <sup>‡</sup> SREI Trust 2021-MPA CME Term SOFR I Month + 0.8453%, 6.2071%, 11/16/38 (144A) <sup>‡</sup> 679,373 667,915   Tesla Auto Lease Trust 2021-B.B. 0.9100%, 9/22/25 (144A) 1278,000 12,245,835   THE 2023-MIC Trust 2023-MIC A, 84366%, 12/5/38 (144A) <sup>‡</sup> 5,052,469 5,318,365   THL Credit Wind River CLO Ltd 2019-1A AR, CME Term SOFR 3 Month + 1,4216%, 68374%, 7/20/34 (144A) <sup>‡</sup> 2,394,000 2,382,983   Towd Point Mortgage Trust 2023-CES1 A 1A, 67500%, 7/25/63 (144A) <sup>‡</sup> 2,265,471 2,288,915   Towd Point Mortgage Trust 2023-CES1 A 1A, 67500%, 7/25/63 (144A) <sup>‡</sup> 2,265,471 2,288,915   Towd Point Mortgage Trust 2023-CES1 A 1A, 72940%, 10/25/63 (144A) <sup>‡</sup> 3,267,552 3,326,382   TYSN 2023-CRNR Mortgage Trust 2023-CES1 A 1A, 72940%, 10/25/63 (144A) <sup>‡</sup> 8,090,504 8,388,025   United Wholesale Mortgage LLC 2021-TIVI A9,   US 30 Day Average SOFR + 0,9000%, 5,0000%, 8/25/51 (144A) <sup>‡</sup> 3,615,061 3,340,196   United Wholesale Mortgage LLC 2021-TIVI A9,   US 30 Day Average SOFR + 0,9000%, 5,0000%, 8/25/51 (144A) <sup>‡</sup> 3,615,061 3,340,196   Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) 89,380 89,129   Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) 89,380 89,129   Upstart Securitization Trust 2021-5 A, 13100%, 13/20/32 (144A) 1,930,331 1,908,324   Upstart Securitization Trust 2021-4 A, 13100%, 13/20/32 (144A) 2,060,643 203,801   Upstart Securitization Trust 2022-2 A, 4,3700%, 5/20/32 (144A) 2,060,661 2,051,382   Upstart Securitization Trust 2022-2 A A, 2,16450%, 9/15/45 (144A) 4,786,000 4,439,472   Vantage Data Centers LLC 2020-1A A2, 16450%, 9/15/45 (144A) 3,097,000 2,684,141   VASA Trust 2021-4A A, 1,6450%, 9/15/45 (144A) 3,097,000 2,684,141   VASA Trust 2021-4A A, 1,6450%, 9/15/45 (144A) 4,786,000 4,439,472   Variage Data Centers LLC 2020-1A A2, 1,6450%, 9/15/45 (144A) 3,097,000 2,684,141   VASA Trust 2021-4A A 1,7860%, 8/20/36 (144A) 3,097,000 2,114,494   VASA Trust 2021-4A A 1,7860%, 8/20/36 (144A) 3,097,000 3,091,000 2,114,494   VASA Trust 2021-4A A 1,7860%, 8/20/36 (144A) 1,007,866 978,076 978,076 978,076 9			
SREIT Trust 2021-MFP A.  CME Term SOFR I Month + 0.8453%, 6.2071%, 11/15/38 (144A) <sup>‡</sup> 1788 Auto Lease Trust 2021-B B, 0.9100%, 9/22/25 (144A) 1878 Auto Lease Trust 2021-B B, 0.9100%, 9/22/25 (144A) <sup>‡</sup> 1878 Auto Lease Trust 2021-B B, 0.9100%, 9/22/25 (144A) <sup>‡</sup> 1878 Auto Lease Trust 2021-B B, 0.9100%, 9/22/25 (144A) <sup>‡</sup> 1878 Auto Lease Trust 2023-CES1 A1A, 67500%, 7/25/63 (144A) <sup>‡</sup> 1878 Auto Lease Trust 2023-CES1 A1A, 67500%, 7/25/63 (144A) <sup>‡</sup> 288,915 2			
CME Term SOFR 1 Month + 0.8463%, 6.2071%, 11/15/38 (144A)‡ 679,373 667,915 Tesla Auto Lease Trust 2021-18 B, 0.9100%, 9/22/05 (144A) 1.278,000 1.245,835 THE 2023-MIC Trust 2023-MIC A, 8.4366%, 12/5/38 (144A)‡ 5,052,469 5,318,365 THE DO23-MIC Trust 2023-MIC A 8.4366%, 12/5/38 (144A)‡ 2.304,000 2.382,983 Towd Point Mortgage Trust 2023-CES1 AI A, 6.7500%, 7/25/63 (144A)‡ 2.266,471 2.288,915 Towd Point Mortgage Trust 2023-CES2 AI A, 6.7500%, 7/25/63 (144A)‡ 2.266,471 2.288,915 Towd Point Mortgage Trust 2023-CES2 AI A, 7.9340%, 10/25/63 (144A)‡ 3.257,532 3.326,882 TYSN 2023-CRNR Mortgage Trust 2023-CES2 AI A, 7.9340%, 10/25/63 (144A)‡ 3.257,532 3.326,882 TYSN 2023-CRNR Mortgage Trust 2023-CRNR A, 6.7990%, 12/10/33 (144A)‡ 3.090,504 3.388,025 United Wholesale Mortgage LLC 2021-HNI 1-49, US 30 Day Average SOFR + 0.9000%, 5.0000%, 8/25/551 (144A)‡ 3.061,506 United Wholesale Mortgage LLC 2021-HNI 4-9, 4.25000%, 12/25/51 (144A)‡ 3.061,506 Unjest of Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) 89,380 89,129 Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) 89,380 89,129 Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/32 (144A) 19,30,331 1,908,324 Upstart Securitization Trust 2021-2 A, 3.1200%, 3/20/23 (144A) 1,90,3331 1,908,324 Upstart Securitization Trust 2022-2 A, 3.1200%, 3/20/23 (144A) 2.060,561 2.051,382 Vartage Data Centers LLC 2020-1-A A2, 1.6450%, 9/15/45 (144A) 4,788,000 4,439,472 Vantage Data Centers LLC 2020-2-A A2, 1.6920%, 9/15/45 (144A) 4,788,000 2,684,141 VASA Trust 2021-VASA A, 444,144,144,144,144,144,144,144,144,14	1/28/50 (144A) <sup>‡</sup>	34,978	34,704
CME Term SOFR 1 Month + 0.8463%, 6.2071%, 11/15/38 (144A)‡ 679,373 667,915 Tesla Auto Lease Trust 2021-18 B, 0.9100%, 9/22/05 (144A) 1.278,000 1.245,835 THE 2023-MIC Trust 2023-MIC A, 8.4366%, 12/5/38 (144A)‡ 5,052,469 5,318,365 THE DO23-MIC Trust 2023-MIC A 8.4366%, 12/5/38 (144A)‡ 2.304,000 2.382,983 Towd Point Mortgage Trust 2023-CES1 AI A, 6.7500%, 7/25/63 (144A)‡ 2.266,471 2.288,915 Towd Point Mortgage Trust 2023-CES2 AI A, 6.7500%, 7/25/63 (144A)‡ 2.266,471 2.288,915 Towd Point Mortgage Trust 2023-CES2 AI A, 7.9340%, 10/25/63 (144A)‡ 3.257,532 3.326,882 TYSN 2023-CRNR Mortgage Trust 2023-CES2 AI A, 7.9340%, 10/25/63 (144A)‡ 3.257,532 3.326,882 TYSN 2023-CRNR Mortgage Trust 2023-CRNR A, 6.7990%, 12/10/33 (144A)‡ 3.090,504 3.388,025 United Wholesale Mortgage LLC 2021-HNI 1-49, US 30 Day Average SOFR + 0.9000%, 5.0000%, 8/25/551 (144A)‡ 3.061,506 United Wholesale Mortgage LLC 2021-HNI 4-9, 4.25000%, 12/25/51 (144A)‡ 3.061,506 Unjest of Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) 89,380 89,129 Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) 89,380 89,129 Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/32 (144A) 19,30,331 1,908,324 Upstart Securitization Trust 2021-2 A, 3.1200%, 3/20/23 (144A) 1,90,3331 1,908,324 Upstart Securitization Trust 2022-2 A, 3.1200%, 3/20/23 (144A) 2.060,561 2.051,382 Vartage Data Centers LLC 2020-1-A A2, 1.6450%, 9/15/45 (144A) 4,788,000 4,439,472 Vantage Data Centers LLC 2020-2-A A2, 1.6920%, 9/15/45 (144A) 4,788,000 2,684,141 VASA Trust 2021-VASA A, 444,144,144,144,144,144,144,144,144,14	SREIT Trust 2021-MFP A,		
Tesla Auto Lease Trust 2021-B B, 0.910%, 9/22/25 (144A) 1,278,000 5,582,469 5,582,469 5,182,365 THL Credit Wind River CLO Ltd 2019-1A AR CME Term SOFR 3 Month + 1.4216%, 6.8374%, 7/20/34 (144A)† 2,284,000 2,382,983 Towd Point Mortgage Trust 2023-CES1 A1A, 6.7500%, 7/25/63 (144A)† 2,286,471 2,288,915 Towd Point Mortgage Trust 2023-CES2 A1A, 7.2940%, 10/25/63 (144A)† 3,257,532 3,326,382 17SN 2023-CRNR Mortgage Trust 2023-CES2 A1A, 7.2940%, 10/25/63 (144A)† 8,090,504 8,388,025 United Wholesale Mortgage Trust 2023-CES2 A1A, 7.2940%, 10/25/63 (144A)† 8,090,504 3,386,025 United Wholesale Mortgage LLC 2021-INV1 A9, US 30 Day Average SOFR + 0.9000%, 5.0000%, 8/25/51 (144A)† 3,615,061 3,340,196 United Wholesale Mortgage LLC 2021-INV1 A9, US 30 Day Average SOFR + 0.9000%, 5.0000%, 8/25/51 (144A)† 2,109,814 1,728,902 Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) 89,380 89,129 Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) 89,380 89,129 Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) 1,930,331 1,908,324 Upstart Securitization Trust 2021-5 A, 1.3100%, 11/20/31 (144A) 1,930,331 1,908,324 Upstart Securitization Trust 2021-4 A, 0.100%, 3/20/32 (144A) 2,060,661 2,051,382 Vantage Data Centers LLC 2020-1A A2, 1.6450%, 9/15/45 (144A) 4,798,000 4,439,472 Vantage Data Centers LLC 2020-1A A2, 1.6450%, 9/15/45 (144A) 4,798,000 4,439,472 Vantage Data Centers LLC 2020-1A A2, 1.9920%, 9/15/45 (144A) 432,187 425,875 WCI Finance LLC 2021-INTL 1A1, 22891%, 12/26/50 (144A) 432,187 425,875 WCI Finance LLC 2021-INTL 1A1, 22891%, 12/26/50 (144A) 432,187 425,875 WCI Finance LLC 2021-INTL 1A1, 22891%, 12/26/50 (144A) 432,187 425,875 WCI Finance LLC 2021-INTL 3A, 245,875 (144A) 432,187 425,875 WCI Finance LLC 2021-INTL 3A, 245,875 (144A) 432,187 425,875 WCI Finance LLC 2021-INTL 3A, 245,875 (144A) 432,187 425,875 WCI Finance LLC 2021-INTL 3A, 245,875 (144A) 432,875 436,899 Westlake Automobile Receivable Trust 2021-3A, 240,800,%, 67/15/40 (144A) 432,812 436,616 Woodward Capital Management 2021-SCES A1		679.373	667.915
THE 2023-MIC Trust 2023-MIC A, 8.4366%, 12/6/38 (144A)‡ 5,052,469 5,318,365 THL Credit Wind River CLO Ltd 2011-1A AR, CME Term SOPR 3 Month + 1.4216%, 6.837.4%, 7/20/34 (144A)‡ 2,394,000 2,382,983 Towd Point Mortgage Trust 2023-CES1 A1A, 6.75060%, 7/25/63 (144A)‡ 2,266,471 2,228,915 Towd Point Mortgage Trust 2023-CES1 A1A, 7.2940%, 10/25/63 (144A)‡ 3,257,532 3,326,382 TYSN 2023-CRNR Mortgage Trust 2023-CRNR A, 67990%, 12/10/33 (144A)‡ 8,090,504 8,388,025 United Wholesale Mortgage LLC 2021-INV1 A9, US 30 Day Average SOFR + 0,9000%, 50000%, 8/25/51 (144A)‡ 3,615,061 3,340,196 United Wholesale Mortgage LLC 2021-INVA A9, 25,000%, 12/25/51 (144A)‡ 2,109,814 1,728,902 Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) 89,380 89,129 Upstart Securitization Trust 2021-5 A, 13.100%, 11/20/31 (144A) 89,380 89,129 Upstart Securitization Trust 2021-5 A, 3.1000%, 11/20/31 (144A) 1,930,331 1,903,324 Upstart Securitization Trust 2021-5 A, 3.1000%, 3/20/32 (144A) 1,930,331 1,903,324 Upstart Securitization Trust 2022-1 A, 3.1200%, 3/20/32 (144A) 1,930,331 1,903,324 Upstart Securitization Trust 2022-2 A, 3.1700%, 5/20/32 (144A) 2,060,561 2,051,382 Vantage Data Centers LLC 2020-1 A A2, 1.6450%, 9/15/45 (144A) 4,788,000 4,439,472 Vantage Data Centers LLC 2020-1 A A2, 1.6450%, 9/15/45 (144A) 3,097,000 2,684,141 VASA Trust 2021-VASA A, CME Term SOFR I Month + 1.0145%, 6.3765%, 7/15/39 (144A) 2,382,000 2,114,494 VCAT Asset Securitization LLC 2021-NPL1 A1, 22891%, 12/26/50 (144A) 432,187 425,575 VMC Finance LLC 2021-HT1 A, CME Term SOFR I Month + 1.7645%, 7.1227%, 1/18/37 (144A)‡ 3,023,031 2,682,595 Wells Fargo Commercial Mortgage Trust 2021-SAVE A, CME Term SOFR I Month + 1.7645%, 6.8265%, 2/15/40 (144A)‡ 3,023,031 2,962,595 Wells Fargo Commercial Mortgage Trust 2021-SAVE A, CME Term SOFR I Month + 1.7645%, 6.8265%, 2/15/40 (144A)‡ 1,022,476 974,837 Westalake Automobile Receivable Trust 2023-SAVE A, 144,044 1,022,476 974,837 Westalake Automobile Receivable Trust 2020-1 A 1,020,00%, 6/16/25 (144A) 1,1786,000 1,022,476 974,8			
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CME Term SOFR 3 Month + 1.4216%, 6.83749%, 7/20/34 (144A)* 2.946,047  Towd Point Mortgage Trust 2023-CES2 A1A, 7:2940%, 10/25/63 (144A)* 2.266,471  Towd Point Mortgage Trust 2023-CES2 A1A, 7:2940%, 10/25/63 (144A)* 3.257,532 3.326,382  TYSN 2023-CRNR Mortgage Trust 2023-CRNR A, 6.7990%, 12/10/33 (144A)* 3.257,532 3.326,382  TYSN 2023-CRNR Mortgage LLC 2021-INV1 A9, US 30 Day Average SOFR + 0.9000%, 5.0000%, 8/25/51 (144A)* US 30 Day Average SOFR + 0.9000%, 5.0000%, 8/25/51 (144A)* Us 30 Day Average SOFR + 0.9000%, 5.0000%, 12/25/51 (144A)* Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (144A) Upstart Securitization Trust 2021-5 A, 1.3100%, 11/20/31 (144A) Upstart Securitization Trust 2021-5 A, 1.3100%, 11/20/31 (144A) Upstart Securitization Trust 2021-5 A, 1.3100%, 11/20/31 (144A) Upstart Securitization Trust 2021-5 A, 2.100%, 5/20/32 (144A) Upstart Securitization Trust 2022-2 A, 4.3700%, 5/20/32 (144A) Upstart Securitization Trust 2021-5 A, 2.16450%, 9/15/45 (144A) Upstart Securitization Trust 2021-5 A, 2.16450%, 9/15/45 (144A) Upstart Securitization Trust 2021-5 A, 2.16450%, 6.3765%, 7/15/39 (144A)* Upstart 2021-WSA A, CME Term SOFR 1 Month + 1.0145%, 6.3765%, 7/15/39 (144A)* UCAT Asset Securitization LLC 2021-NPL1 A1, 2.2891%, 12/26/50 (144A) USAT Trust 2021-WSA A, CME Term SOFR 1 Month + 1.7645%, 6.6265%, 2/15/40 (144A)* Uset Season Society Commercial Mortgage Trust 2021-5AVE A, CME Term SOFR 1 Month + 1.2645%, 6.6265%, 2/15/40 (144A)* Us 30 Day Average SOFR + 0.8000%, 5/05/43 (144A)* Us 30 Day Average SOFR + 0.8000%, 5/05/43 (144A)* Us 30 Day Average SOFR + 0.8000%, 5/05/43 (144A)* Us 30 Day Average SOFR + 1.8350%, 6.0400%, 5/1/34* Us 30 Day Average SOFR + 1.8350%, 6.0400%, 5/1/34* Us 30 Day Average SOFR + 1.8350%, 6.0400%, 5/1/34* Us 30 Day Average SOFR + 1.8350%, 6.0400%, 5/1/34* Us 30 Day Average SOFR + 1.835		5,052,409	0,010,000
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United Wholesale Mortgage LLC 2021-INV1 A9, US 30 Day Average SOFR + 0.9000%, 5.0000%, 8.726/51 (144A)‡ 2,109,814 1,728,902 Upstart Securitization Trust 2021-5 A, 0.8400%, 9/20/31 (144A) Upstart Securitization Trust 2021-5 A, 1.3100%, 11/20/31 (144A) Upstart Securitization Trust 2021-5 A, 1.3100%, 11/20/31 (144A) Upstart Securitization Trust 2021-5 A, 3.1200%, 3/20/32 (144A) Upstart Securitization Trust 2021-5 A, 3.1200%, 3/20/32 (144A) Upstart Securitization Trust 2022-2 A, 4.3700%, 5/20/32 (144A) Upstart Securitization Trust 2021-4 A2, 1.6450%, 9/15/45 (144A) Upstart Securitization Trust 2021-4 A2, 1.6450%, 9/15/45 (144A) Upstart Securitization LLC 2020-2 A2, 1.9920%, 9/15/45 (144A) Upstart 2021-4 Month + 1.0145%, 6.3765%, 7/15/39 (144A) Upstart 2021-4 Month + 1.0145%, 6.3765%, 7/15/39 (144A) Upstart 2021-4 Month + 1.0145%, 6.3765%, 7/15/39 (144A) Upstart 2021-4 Month + 1.7645%, 7/1227%, 1/18/37 (144A) Upstart 2021-4 Month + 1.7645%, 7/1227%, 1/18/37 (144A) Upstart 2020-1 Month + 1.2645%, 6.6265%, 2/15/40 (144A) Upstart 2020-1 Month +	TYSN 2023-CRNR Mortgage Trust 2023-CRNR A, 6.7990%, 12/10/33 (144A)‡	8,090,504	8,388,025
US 30 Day Average ŠOFR + 0.9000%, 5.0000%, 8/25/51 (1.44A)‡ 3,615,061 3,340,196 United Wholesale Mortgage LLC 2021-INVA 43, 2,5000%, 12/25/51 (1.44A)‡ 2,109,814 1,729,902 Upstart Securitization Trust 2021-4 A, 0.8400%, 9/20/31 (1.44A) 89,380 89,129 Upstart Securitization Trust 2021-5 A, 1.3100%, 11/20/31 (1.44A) 20,5443 203,801 Upstart Securitization Trust 2022-1 A, 3.1200%, 3/20/32 (1.44A) 1,930,331 1,908,324 Upstart Securitization Trust 2022-2 A, 4.3700%, 5/20/32 (1.44A) 2,060,561 2,051,382 Vantage Data Centers LLC 2020-1 A A2, 1.6450%, 9.175/45 (1.44A) 4,798,000 4,439,472 Vantage Data Centers LLC 2020-1 A A2, 1.6450%, 9.175/45 (1.44A) 3,097,000 2,684,141 VASA Trust 2021-VASA A, 2020-2 A A2, 1.9920%, 9/15/45 (1.44A) 3,097,000 2,684,141 VASA Trust 2021-VASA A,			
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VMC Finance LLC 2021-HT1 A,     CME Term SOFR 1 Month + 1.7645%, 7.1227%, 1/18/37 (144A)‡     Substituting the stress of the str			
CME Term SOFR 1 Month + 1.7645%, 7.1227%, 1/18/37 (144A)‡ 3,023,031 2,962,595  Wells Fargo Commercial Mortgage Trust 2021-SAVE A,  CME Term SOFR 1 Month + 1.2645%, 6.6265%, 2/15/40 (144A)‡ 1,007,856 978,076  Westgate Resorts 2022-1A A, 1.7880%, 8/20/36 (144A) 1,022,476 974,837  Westlake Automobile Receivable Trust 2020-1A D, 2.8000%, 6/16/25 (144A) 548,452 546,899  Westlake Automobile Receivable Trust 2023-3A A2A, 5.9600%, 10/15/26 (144A) 3,782,000 3,790,575  Woodward Capital Management 2021-3 A21,  US 30 Day Average SOFR + 0.8000%, 5.0000%, 7/25/51 (144A)‡ 2,694,110 2,468,857  Woodward Capital Management 2023-CES1 A1A, 6.5150%, 6/25/43 (144A)‡ 4,263,125 4,306,165  Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡ 8,178,020 8,294,704  Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡ 8,178,020 8,294,704  Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A) 11,786,316 12,128,531  Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718) 755,983,507  Corporate Bonds- 9.7%  Banking - 3.3%  American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡ 7,073,000 7,060,691  Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡ 9,613,000 10,027,712  Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡ 14,856,000 15,335,460  Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%**  Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4,9470%, 4/26/27† 4,390,000 4,391,306  Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡ 1,441,000 1,527,691		102,101	120,010
Wells Fargo Commercial Mortgage Trust 2021-SAVE A, CME Term SOFR 1 Month + 1.2645%, 6.6265%, 2/15/40 (144A)‡ 1,007,856 978,076 Westgate Resorts 2022-1A A, 1.7880%, 8/20/36 (144A) 1,022,476 974,837 Westlake Automobile Receivable Trust 2020-1A D, 2.8000%, 6/16/25 (144A) 548,452 546,899 Westlake Automobile Receivable Trust 2023-3A A2A, 5.9600%, 10/15/26 (144A) 3,782,000 3,790,575 Woodward Capital Management 2021-3 A21, US 30 Day Average SOFR + 0.8000%, 5.0000%, 7/25/51 (144A)‡ 2,694,110 2,468,857 Woodward Capital Management 2023-CES1 A1A, 6.5150%, 6/25/43 (144A)‡ 4,263,125 4,306,165 Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡ 8,178,020 8,294,704 Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A) 11,786,316 12,128,531 Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718)  Corporate Bonds- 9.7% Banking - 3.3% American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡ 7,073,000 7,060,691 Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡ 9,613,000 10,027,712 Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡ 14,186,000 15,335,460 Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%; 14,414,000 14,849,482 Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27† 4,390,000 4,391,306 Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡ 1,441,000 1,527,691		2002021	0.060.505
CME Term SOFR 1 Month + 1.2645%, 6.6265%, 2/15/40 (144A)‡ 1,007,856 978,076 Westgate Resorts 2022-1A A, 1.7880%, 8/20/36 (144A) 1,022,476 974,837 Westlake Automobile Receivable Trust 2020-1A D, 2.8000%, 6/16/25 (144A) 548,452 546,899 Westlake Automobile Receivable Trust 2023-3A A2A, 5.9600%, 10/15/26 (144A) 3,782,000 3,790,575 Woodward Capital Management 2021-3 A21, US 30 Day Average SOFR + 0.8000%, 5.0000%, 7/25/51 (144A)‡ 2,694,110 2,468,857 Woodward Capital Management 2023-CES1 A1A, 6.5150%, 6/25/43 (144A)‡ 4,263,125 4,306,165 Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡ 8,178,020 8,294,704 Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A)‡ 1,786,316 12,128,531 Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718) 755,983,507 Corporate Bonds – 9.7% Banking – 3.3% American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡ 7,073,000 7,060,691 Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡ 9,613,000 10,027,712 Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡ 14,856,000 15,335,460 Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡µ 7,229,000 7,162,417 Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡ 4,390,000 4,391,306 Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡ 1,441,000 1,527,691		3,023,031	2,902,090
Westgate Resorts 2022-1A A, 1.7880%, 8/20/36 (144A)  Westlake Automobile Receivable Trust 2020-1A D, 2.8000%, 6/16/25 (144A)  Westlake Automobile Receivable Trust 2023-3A A2A, 5.9600%, 10/15/26 (144A)  Westlake Automobile Receivable Trust 2023-3A A2A, 5.9600%, 10/15/26 (144A)  Woodward Capital Management 2021-3 A21,  US 30 Day Average SOFR + 0.8000%, 5.0000%, 7/25/51 (144A)‡  Woodward Capital Management 2023-CES1 A1A, 6.5150%, 6/25/43 (144A)‡  Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡  Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡  Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A)‡  Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718)  Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$		1 005 05 0	050 050
Westlake Automobile Receivable Trust 2020-1A D, 2.8000%, 6/16/25 (144A) 548,452 546,899 Westlake Automobile Receivable Trust 2023-3A A2A, 5.9600%, 10/15/26 (144A) 3,782,000 3,790,575 Woodward Capital Management 2021-3 A21, US 30 Day Average SOFR + 0.8000%, 5.0000%, 7/25/51 (144A)‡ 2,694,110 2,468,857 Woodward Capital Management 2023-CES1 A1A, 6.5150%, 6/25/43 (144A)‡ 4,263,125 4,306,165 Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡ 8,178,020 8,294,704 Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A) 11,786,316 12,128,531 Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718) 755,983,507 Corporate Bonds- 9.7% Banking - 3.3% American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡ 7,073,000 7,060,691 Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡ 9,613,000 10,027,712 Bank of America Corp, SOFR + 1.8700%, 5.8190%, 9/15/29‡ 14,856,000 15,335,460 Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡ 14,186,000 14,849,482 Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%; 4,26/27‡ 4,390,000 4,391,306 Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4,9470%, 4/26/27‡ 4,390,000 4,391,306 Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡ 1,441,000 1,527,691			
Westlake Automobile Receivable Trust 2023-3A A2A, 5.9600%, 10/15/26 (144A)       3,782,000       3,790,575         Woodward Capital Management 2021-3 A21,       2,694,110       2,468,857         Woodward Capital Management 2023-CES1 A1A, 6.5150%, 6/25/43 (144A)‡       4,263,125       4,306,165         Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡       8,178,020       8,294,704         Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A)       11,786,316       12,128,531         Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718)       755,983,507         Corporate Bonds – 9.7%       8anking – 3.3%       7,073,000       7,060,691         Bank of America Corp, SOFR + 1.8350%, 5.0430%, 5/1/34‡       7,073,000       7,060,691         Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡       14,856,000       15,335,460         Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡       14,186,000       14,849,482         Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡µ       7,229,000       7,162,417         Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡       4,390,000       4,391,306         Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡       1,441,000       1,527,691			
Woodward Capital Management 2021-3 A21,         US 30 Day Average SOFR + 0.8000%, 5.0000%, 7/25/51 (144A)‡       2,694,110       2,468,857         Woodward Capital Management 2023-CES1 A1A, 6.5150%, 6/25/43 (144A)‡       4,263,125       4,306,165         Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡       8,178,020       8,294,704         Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A)       11,786,316       12,128,531         Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718)       755,983,507         Corporate Bonds – 9.7%       8anking – 3.3%       7,073,000       7,060,691         Bank of America Corp, SOFR + 1.8350%, 5.0430%, 5/1/34‡       7,073,000       7,060,691         Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡       9,613,000       10,027,712         Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡       14,856,000       15,335,460         Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡       14,186,000       14,849,482         Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡µ       7,229,000       7,162,417         Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡       4,390,000       4,391,306         Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡       1,441,000       1,527,691	Westlake Automobile Receivable Trust 2020-1A D, 2.8000%, 6/16/25 (144A)	548,452	546,899
US 30 Day Äverage SÖFR + 0.8000%, 5.0000%, 7/25/51 (144A)‡ 2,694,110 2,468,857 Woodward Capital Management 2023-CES1 A1A, 6.5150%, 6/25/43 (144A)‡ 4,263,125 4,306,165 Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡ 8,178,020 8,294,704 Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A) 11,786,316 12,128,531 Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718) 755,983,507 Corporate Bonds – 9.7% Banking – 3.3% American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡ 7,073,000 7,060,691 Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡ 9,613,000 10,027,712 Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡ 14,856,000 15,335,460 Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡ 14,186,000 14,849,482 Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡µ 7,229,000 7,162,417 Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡ 4,390,000 4,391,306 Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡ 1,441,000 1,527,691	Westlake Automobile Receivable Trust 2023-3A A2A, 5.9600%, 10/15/26 (144A)	3,782,000	3,790,575
US 30 Day Äverage SÖFR + 0.8000%, 5.0000%, 7/25/51 (144A)‡ 2,694,110 2,468,857 Woodward Capital Management 2023-CES1 A1A, 6.5150%, 6/25/43 (144A)‡ 4,263,125 4,306,165 Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡ 8,178,020 8,294,704 Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A) 11,786,316 12,128,531 Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718) 755,983,507 Corporate Bonds – 9.7% Banking – 3.3% American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡ 7,073,000 7,060,691 Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡ 9,613,000 10,027,712 Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡ 14,856,000 15,335,460 Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡ 14,186,000 14,849,482 Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡µ 7,229,000 7,162,417 Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡ 4,390,000 4,391,306 Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡ 1,441,000 1,527,691	Woodward Capital Management 2021-3 A21.		
Woodward Capital Management 2023-CES1 A1A, 6.5150%, 6/25/43 (144A)‡         4,263,125         4,306,165           Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡         8,178,020         8,294,704           Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A)         11,786,316         12,128,531           Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718)         755,983,507           Corporate Bonds – 9.7%         8anking – 3.3%         7,073,000         7,060,691           Bank of America Corp, SOFR + 1.8350%, 5.0430%, 5/1/34‡         7,073,000         7,060,691           Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡         9,613,000         10,027,712           Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡         14,856,000         15,335,460           Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡         14,186,000         14,849,482           Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡µ         7,229,000         7,162,417           Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡         4,390,000         4,391,306           Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡         1,441,000         1,527,691	US 30 Day Average SOFR + 0.8000% 5.0000% 7/25/51 (144A)‡	2.694.110	2.468.857
Woodward Capital Management 2023-CES2 A1A, 6.8080%, 9/25/43 (144A)‡         8,178,020         8,294,704           Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A)         11,786,316         12,128,531           Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718)         755,983,507           Corporate Bonds – 9.7%         8anking – 3.3%         7,073,000         7,060,691           Bank of America Corp, SOFR + 1.8350%, 5.0430%, 5/1/34‡         7,073,000         7,060,691           Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡         9,613,000         10,027,712           Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡         14,856,000         15,335,460           Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡         14,186,000         14,849,482           Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡µ         7,229,000         7,162,417           Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡         4,390,000         4,391,306           Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡         1,441,000         1,527,691			
Woodward Capital Management 2023-CES3 A1A, 7.1130%, 11/25/43 (144A)       11,786,316       12,126,531         Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718)       755,983,507         Corporate Bonds − 9.7%       8anking − 3.3%       7,073,000       7,060,691         American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34 <sup>‡</sup> 9,613,000       10,027,712         Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29 <sup>‡</sup> 14,856,000       15,335,460         Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34 <sup>‡</sup> 14,186,000       14,849,482         Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500% <sup>‡µ</sup> 7,229,000       7,162,417         Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27 <sup>‡</sup> 4,390,000       4,391,306         Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33 <sup>‡</sup> 1,441,000       1,527,691			
Total Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718)  Corporate Bonds – 9.7%  Banking – 3.3%  American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡  Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡  Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡  Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡  Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡  Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡  Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡  Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡  1,441,000  1,527,691			
Corporate Bonds – 9.7% Banking – 3.3%  American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡  Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡  Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡  Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡  Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡  Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡,µ  Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡  Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡  1,441,000  1,527,691		11,780,310	
Banking - 3.3%  American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡  Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡  Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡  Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡  Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡  Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡  Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡  Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡  1,441,000  7,060,691  7,060,691  14,856,000  15,335,460  14,886,000  14,849,482  37,229,000  4,391,306  Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡  1,441,000  1,527,691	Iotal Asset-Backed/Commercial Mortgage-Backed Securities (cost \$769,703,718)		755,983,507
Banking - 3.3%  American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡  Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡  Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡  Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡  Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡  Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡  Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡  Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡  1,441,000  7,060,691  7,060,691  14,856,000  15,335,460  14,886,000  14,849,482  37,229,000  4,391,306  Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡  1,441,000  1,527,691	Corporate Bonds- 9.7%		
American Express Co, SOFR + 1.8350%, 5.0430%, 5/1/34‡ 7,073,000 7,060,691 Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28‡ 9,613,000 10,027,712 Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29‡ 14,856,000 15,335,460 Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡ 14,186,000 14,849,482 Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡,µ 7,229,000 7,162,417 Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡ 4,390,000 4,391,306 Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡ 1,441,000 1,527,691			
Bank of America Corp, SOFR + 1.9900%, 6.2040%, 11/10/28 <sup>‡</sup> 9,613,000 10,027,712 Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29 <sup>‡</sup> 14,856,000 15,335,460 Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34 <sup>‡</sup> 14,186,000 14,849,482 Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500% <sup>‡,µ</sup> 7,229,000 7,162,417 Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27 <sup>‡</sup> 4,390,000 4,391,306 Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33 <sup>‡</sup> 1,441,000 1,527,691		7.073.000	7 060 69 1
Bank of America Corp, SOFR + 1.5700%, 5.8190%, 9/15/29 <sup>‡</sup> 14,856,000 15,335,460 Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34 <sup>‡</sup> 14,186,000 14,849,482 Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500% <sup>‡,µ</sup> 7,229,000 7,162,417 Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27 <sup>‡</sup> 4,390,000 4,391,306 Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33 <sup>‡</sup> 1,441,000 1,527,691			
Bank of America Corp, SOFR + 1.8400%, 5.8720%, 9/15/34‡       14,186,000       14,849,482         Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡µ       7,229,000       7,162,417         Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡       4,390,000       4,391,306         Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡       1,441,000       1,527,691			
Bank of America Corp, CME Term SOFR 3 Month + 3.9666%, 6.2500%‡µ       7,162,417         Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡       4,390,000       4,391,306         Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡       1,441,000       1,527,691			
Bank of New York Mellon Corp/The, SOFR + 1.0260%, 4.9470%, 4/26/27‡ 4,390,000 4,391,306 Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33‡ 1,441,000 1,527,691			
Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33 <sup>‡</sup> 1,441,000 1,527,691			
Bank of New York Mellon Corp/The, SOFR + 2.0740%, 5.8340%, 10/25/33 <sup>‡</sup> 1,441,000 1,527,691			
		1,441,000	1,527,691
		3,794,000	

	Shares or	17.7
	Principal Amounts	Value
Corporate Bonds – (continued)		
Banking - (continued)	Φ7 001 000	<b>POC41040</b>
Bank of New York Mellon Corp/The, SOFR + 1.8450%, 6.4740%, 10/25/34‡	\$7,801,000	\$8,641,048
Bank of Montreal,	E 000 000	4.750.004
US Treasury Yield Curve Rate 5 Year + 1.4000%, 3.0880%, 1/10/37‡	5,892,000	4,752,084
BNP Paribas SA, SOFR + 1.2280%, 2.5910%, 1/20/28 (144A) <sup>‡</sup>	3,776,000	3,492,978
Capital One Financial Corp, SOFR + 2.6400%, 6.3120%, 6/8/29 <sup>‡</sup>	3,004,000	3,081,834
Capital One Financial Corp, SOFR + 3.0700%, 7.6240%, 10/30/31 <sup>‡</sup> Citigroup Inc, CME Term SOFR 3 Month + 1.8246%, 3.8870%, 1/10/28 <sup>‡</sup>	4,348,000	4,777,958
	11,561,000	11,179,344
Citigroup Inc, CME Term SOFR 3 Month + 4.1666%, 5.9500% <sup>‡,µ</sup>	2,339,000	2,289,431
Citigroup Inc, CME Term SOFR 3 Month + 3.6846%, 6.3000% <sup>‡,µ</sup>	555,000	547,248
Goldman Sachs Group Inc, 3.5000%, 4/1/25 JPMorgan Chase & Co, SOFR + 1.4500%, 5.2990%, 7/24/29‡	12,173,000 7,427,000	11,896,146 7,536,259
JPMorgan Chase & Co, SOFR + 1.4000%, 5.2990%, 7724729*  JPMorgan Chase & Co, SOFR + 1.5700%, 6.0870%, 10/23/29‡	7,427,000	
JPMorgan Chase & Co, SOFR + 1.3700%, 6.0670%, 10725729*  JPMorgan Chase & Co, SOFR + 1.8450%, 5.3500%, 6/1/34‡	3,065,000	7,872,980 3,108,628
JPMorgan Chase & Co, SOFR + 1.8100%, 6.2540%, 10/23/34 <sup>‡</sup>	12,897,000	13,980,181
JPMorgan Chase & Co, CME Term SOFR 3 Month + 3.3800%, 5.0000% <sup>‡,µ</sup>	2,000,000	1,963,531
Mitsubishi UFJ Financial Group Inc, US Treasury Yield Curve Rate 1 Year + 1.7000%, 4.7880%, 7/18/25‡	4.050.000	4 006 505
Morgan Stanley, SOFR + 1.9900%, 2.1880%, 4/28/26 <sup>‡</sup>	4,950,000 8,296,000	4,926,595 7,969,591
	3,985,000	3,910,738
Morgan Stanley, 4.3500%, 9/8/26	2,202,000	2,204,126
Morgan Stanley, SOFR + 1.2950%, 5.0500%, 1/28/27 <sup>‡</sup>		
Morgan Stanley, SOFR + 0.8790%, 1.5930%, 5/4/27‡	3,223,000	2,969,631
Morgan Stanley, CME Term SOFR 3 Month + 1.4016%, 3.7720%, 1/24/29‡	730,000	696,188
Morgan Stanley, SOFR + 1.7300%, 5.1230%, 2/1/29‡	4,943,000 6,890,000	4,965,479 6,929,385
Morgan Stanley, SOFR + 1.5900%, 5.1640%, 4/20/29‡	3,306,000	3,368,654
Morgan Stanley, SOFR + 1.6300%, 5.4490%, 7/20/29 <sup>‡</sup> Morgan Stanley, SOFR + 1.2900%, 2.9430%, 1/21/33 <sup>‡</sup>	5,523,000	· · ·
Morgan Stanley, SOFR + 1.2900%, 2.9400%, 1721730* Morgan Stanley, SOFR + 1.8800%, 5.4240%, 7/21/34‡	10,987,000	4,698,186 11,150,464
	8,080,000	· · ·
National Australia Bank Ltd, 2,9900%, 5/21/31 (144A)	9,960,000	6,758,675 10,125,113
Nordea Bank Abp, 5.3750%, 9/22/27 (144A) PNC Financial Services Group Inc/The, SOFR + 1.8410%, 5.5820%, 6/12/29‡		· · ·
PNC Financial Services Group Inc/The, SOFR + 1.6410%, 5.3820%, 0/12/29* PNC Financial Services Group Inc/The, SOFR + 2.1400%, 6.0370%, 10/28/33*	11,066,000 3,045,000	11,302,059 3,181,442
PNC Financial Services Group Inc/The, SOFR + 2.1400%, 6.8750%, 10/20/34 <sup>‡</sup>		· · ·
Sumitomo Mitsui Financial Group Inc, 5.8520%, 7/13/30	11,518,000 2,829,000	12,786,566 2,958,511
Toronto-Dominion Bank/The, 5.5230%, 7/17/28	7,421,000	7,640,220
Truist Financial Corp, SOFR + 2.0500%, 6.0470%, 6/8/27‡	4,253,000	4,327,908
US Bancorp, SOFR + 2.0200%, 5.7750%, 6/12/29 <sup>‡</sup>	6,821,000	7,007,582
US Bancorp,	0,821,000	7,007,382
US Treasury Yield Curve Rate 5 Year + 0.9500%, 2.4910%, 11/3/36 <sup>‡</sup>	6,449,000	5,001,401
03 Heasury Held Curve Rate 3 Tear + 0.93000%, 2.4910%, 1173730	0,449,000	274,382,872
Basic Industry – 0.3%		214,302,012
Celanese US Holdings LLC, 6.3500%, 11/15/28	3,134,000	3,286,675
Celanese US Holdings LLC, 6.3300%, 7/15/29	3,103,000	3,252,789
Celanese US Holdings LLC, 6.5500%, 1710/29 Celanese US Holdings LLC, 6.5500%, 11/15/30	7,857,000	8,305,846
Celanese US Holdings LLC, 6.7000%, 11/15/33	7,655,000	8,302,599
Celanese 03 Floidings EEC, 0.700070, 11713733	7,000,000	23,147,909
Brokerage – 0.5%		25,147,909
Charles Schwab Corp, SOFR + 2.0100%, 6.1360%, 8/24/34 <sup>‡</sup>	9,215,000	9,713,306
LPL Holdings Inc, 6.7500%, 11/17/28	10,435,000	11,123,919
Nasdaq Inc, 5.3500%, 6/28/28	1,572,000	1,619,077
Nasdaq Inc, 5.5500%, 9/26/26 Nasdaq Inc, 5.5500%, 2/15/34	10,515,000	10,923,514
Nasdaq Inc, 5.9500%, 8/15/53	4,964,000	5,331,960
Nasdaq Inc, 6.1000%, 6/28/63	2,108,000	2,275,753
Nasuay IIIC, 0.100070, 0720700	2,100,000	40,987,529
Capital Goods – 0.3%		40,967,029
General Dynamics Corp, 3.5000%, 4/1/27	2,033,000	1,980,558
L3Harris Technologies Inc, 5.4000%, 7/31/33	5,542,000	5,762,262
Lockheed Martin Corp, 4.4500%, 5/15/28	2,938,000	2,953,567
Regal Rexnord Corp, 6.0500%, 4/15/28 (144A)	5,593,000	5,661,662
RTX Corp, 5.7500%, 1/15/29	2,963,000	3,097,074
111/1 Joip, 0.1 Joo /0, 17 10/20	2,000,000	0,001,014

F	Shares or Principal Amounts	Value
Corporate Bonds- (continued)	,	
Capital Goods- (continued)		
RTX Corp, 6.0000%, 3/15/31	\$5,958,000	\$6,347,014
Communications – 0.4%		25,802,137
AT&T Inc, 3.6500%, 9/15/59	604,000	432,882
Charter Communications Operating LLC / Charter Communications Operating Capital,	·	·
6.6500%, 2/1/34	15,224,000	16,053,450
Comcast Corp, 4.5500%, 1/15/29 Fox Corp, 4.0300%, 1/25/24	4,722,000 2,592,000	4,742,198 2,588,820
Fox Corp, 4.0500%, 1725724 Fox Corp, 6.5000%, 10/13/33	7,026,000	7,605,267
1 0/ 001 p; 0/0000 7/4 1 0/ 10/ 00	7,020,000	31,422,617
Consumer Cyclical – 0.4%		- , ,-
CBRE Services Inc, 5.9500%, 8/15/34	13,470,000	14,151,075
GLP Capital LP / GLP Financing II Inc, 5.3750%, 4/15/26	2,597,000	2,580,943
GLP Capital LP / GLP Financing II Inc, 5.3000%, 1/15/29	344,000	342,011
GLP Capital LP / GLP Financing II Inc, 6.7500%, 12/1/33 LKQ Corp, 5.7500%, 6/15/28	4,841,000 6,947,000	5,222,616 7,110,056
LKQ Corp, 6.2500%, 6/15/33	6,533,000	6,826,804
Είνα σοιρ, ο.2000 /ο, ο/ 10/ 00	0,000,000	36,233,505
Consumer Non-Cyclical – 1.0%		,,
Albertsons Cos Inc / Safeway Inc / New Albertsons LP / Albertsons LLC,		
6.5000%, 2/15/28 (144A)	4,757,000	4,813,837
CVS Health Corp, 5.0500%, 3/25/48	2,563,000	2,397,194
Diageo Capital PLC, 1.3750%, 9/29/25 Diageo Capital PLC, 2.1250%, 4/29/32	3,173,000 2,398,000	2,995,289 2,000,450
GSK Consumer Healthcare Capital US LLC, 3.3750%, 3/24/27	3,423,000	3,293,455
GSK Consumer Healthcare Capital US LLC, 3.3750%, 3/24/29	1,746,000	1,651,281
Hasbro Inc, 3.9000%, 11/19/29	14,522,000	13,505,042
Hasbro Inc, 5.1000%, 5/15/44	1,033,000	923,832
HCA Inc, 5.8750%, 2/15/26	1,152,000	1,161,798
HCA Inc, 5.3750%, 9/1/26	883,000	887,054
HCA Inc, 5.2000%, 6/1/28	1,886,000	1,905,353
HCA Inc, 5.6250%, 9/1/28	2,351,000	2,405,936
HCA Inc, 5.8750%, 2/1/29 HCA Inc, 3.6250%, 3/15/32	1,902,000 3,617,000	1,963,341 3,234,230
HCA Inc, 5.5000%, 6/1/33	6,170,000	6,266,885
Illumina Inc, 5.8000%, 12/12/25	3,833,000	3,846,113
JBS USA LUX SA / JBS USA Food Co / JBS USA Finance Inc, 5.5000%, 1/15/30	5,277,000	5,186,111
JBS USA LUX SA / JBS USA Food Co / JBS USA Finance Inc, 3.6250%, 1/15/32	2,646,000	2,268,342
JBS USA LUX SA / JBS USA Food Co / JBS USA Finance Inc, 3.0000%, 5/15/32	4,058,000	3,303,866
Mondelez International Inc, 2.7500%, 4/13/30	331,000	298,970
Pilgrim's Pride Corp, 6.2500%, 7/1/33	7,777,000	8,001,942
Polaris Inc, 6.9500%, 3/15/29	6,584,000	7,003,295
Royalty Pharma PLC, 3.5500%, 9/2/50 Sysco Corp, 5.7500%, 1/17/29	3,923,000 2,995,000	2,785,348 3,119,831
oysco corp, 0.7000 70, 17 177 25	2,000,000	85,218,795
Electric – 0.6%		, -,
American Electric Power Co Inc, 5.6250%, 3/1/33	7,210,000	7,511,309
Duke Energy Corp, 4.3000%, 3/15/28	4,905,000	4,835,824
Duquesne Light Holdings Inc, 2.7750%, 1/7/32 (144A)	4,842,000	3,866,457
Georgia Power Co, 4.6500%, 5/16/28 Georgia Power Co, 4.9500%, 5/17/33	3,719,000 5,879,000	3,747,428 5,926,426
National Grid PLC, 5.6020%, 6/12/28	2,632,000	2,711,663
National Grid PLC, 5.8090%, 6/12/33	5,522,000	5,802,301
Xcel Energy Inc, 5.4500%, 8/15/33	12,481,000	12,871,307
	•	47,272,715
Energy - 0.5%	4 500 000	1.050.000
Columbia Pipelines Operating Company LLC, 5.9270%, 8/15/30 (144A)	1,790,000	1,850,886
Columbia Pipelines Operating Company LLC, 6.0360%, 11/15/33 (144A) Columbia Pipelines Operating Company LLC, 6.4970%, 8/15/43 (144A)	4,304,000 868,000	4,507,450 929,574
Columbia Tipelines Operating Company LLC, 0.497070, 0710743 (144A)	000,000	929,014

	Shares or Principal Amounts	Value
Corporate Bonds- (continued)		
Energy- (continued) Columbia Pipelines Operating Company LLC, 6.5440%, 11/15/53 (144A) Enbridge Inc, 6.0000%, 11/15/28 Enbridge Inc, 6.2000%, 11/15/30 Enbridge Inc, 5.7000%, 3/8/33 Energy Transfer LP, 5.5500%, 2/15/28 Energy Transfer Operating LP, 4.9500%, 6/15/28 EOT Corp, 5.7000%, 4/1/28 Hess Midstream Operations LP, 5.1250%, 6/15/28 (144A) Southwestern Energy Co, 4.7500%, 2/1/32 Viper Energy Partners LP, 7.3750%, 11/1/31 (144A)	\$4,489,000 3,932,000 1,512,000 3,868,000 4,769,000 184,000 2,465,000 3,621,000 3,664,000 6,827,000	\$4,942,431 4,128,054 1,617,868 4,020,388 4,864,857 183,280 2,501,525 3,493,530 3,389,976 7,065,945
Finance Companies – 0.3%		43,495,764
AerCap Ireland Capital DAC / AerCap Global Aviation Trust, 4.6250%, 10/15/27 Air Lease Corp, 1.8750%, 8/15/26 Blackstone Private Credit Fund, 7.3000%, 11/27/28 (144A) Blue Owl Credit Income Corp, 7.7500%, 9/16/27 OWL Rock Core Income Corp, 4.7000%, 2/8/27 OWL Rock Core Income Corp, 7.9500%, 6/13/28 (144A)	3,328,000 4,823,000 7,202,000 5,212,000 877,000 3,051,000	3,258,670 4,436,254 7,486,687 5,373,808 828,390 3,162,422 24,546,231
Government Sponsored – 0.1%		
Electricite de France SA, 5.7000%, 5/23/28 (144A) Electricite de France SA, 6.2500%, 5/23/33 (144A)	3,030,000 4,750,000	3,134,980 5,140,388
Insurance - 0.5%		8,275,368
Athene Global Funding, 2.7170%, 1/7/29 (144A) Athene Global Funding, 2.6460%, 10/4/31 (144A) Brown & Brown Inc, 4.9500%, 3/17/52 Centene Corp, 4.2500%, 12/15/27 Centene Corp, 2.4500%, 7/15/28 Centene Corp, 3.0000%, 10/15/30 UnitedHealth Group Inc, 5.2500%, 2/15/28	6,386,000 5,823,000 5,658,000 16,441,000 4,942,000 5,197,000 3,234,000	5,551,955 4,730,887 5,014,760 15,841,779 4,401,344 4,500,828 3,344,184 43,385,737
Real Estate Investment Trusts (REITs) – 0.3%		
Agree LP, 2.0000%, 6/15/28 Agree LP, 2.9000%, 10/1/30 Agree LP, 2.6000%, 6/15/33 American Tower Trust I, 5.4900%, 3/15/28 (144A) Invitation Homes Inc, 2.0000%, 8/15/31 Sun Communities Operating LP, 2.7000%, 7/15/31	3,231,000 2,058,000 2,424,000 11,317,000 5,620,000 6,161,000	2,801,759 1,763,020 1,921,065 11,454,751 4,472,177 5,133,672 27,546,444
Technology – 1.1% Analog Devices Inc, 2.9500%, 4/1/25	2,815,000	2,754,623
CoStar Group Inc, 2.8000%, 7/15/30 (144A) Equinix Inc, 2.1500%, 7/15/30 Fiserv Inc, 5.4500%, 3/2/28 Foundry JV Holdco LLC, 5.8750%, 1/25/34 (144A) Global Payments Inc, 2.1500%, 1/15/27 Leidos Inc, 2.3000%, 2/15/31 Leidos Inc, 5.7500%, 3/15/33 Marvell Technology Inc, 1.6500%, 4/15/26 Marvell Technology Inc, 4.8750%, 6/22/28 Marvell Technology Inc, 5.7500%, 2/15/29 MSCI Inc, 4.0000%, 11/15/29 (144A) MSCI Inc, 3.6250%, 9/1/30 (144A) MSCI Inc, 3.8750%, 2/15/31 (144A) Total System Services Inc, 4.8000%, 4/1/26 Trimble Inc, 4.7500%, 12/1/24 Trimble Inc, 4.9000%, 6/15/28	3,797,000 2,665,000 6,013,000 18,191,000 3,318,000 1,365,000 4,558,000 3,675,000 4,065,000 3,340,000 422,000 8,577,000 6,019,000 3,189,000 5,510,000 2,548,000	3,227,218 2,257,870 6,192,517 18,684,594 3,054,543 1,142,511 4,752,982 3,418,867 4,052,741 3,450,881 396,628 7,760,421 5,499,444 3,161,194 5,454,177 2,560,143

	Shares or Principal Amounts	Value
Corporate Bonds- (continued) Technology- (continued) Trimble Inc, 6.1000%, 3/15/33 Workday Inc, 3.5000%, 4/1/27	\$9,063,000 2,530,000	\$9,699,232 2,447,920
Workday Inc, 3.8000%, 4/1/32	4,129,000	3,844,599 93,813,105
Transportation – 0.1% GXO Logistics Inc, 1.6500%, 7/15/26 GXO Logistics Inc, 2.6500%, 7/15/31	4,255,000 647,000	3,835,404 530,513 4,365,917
Total Corporate Bonds (cost \$812,842,960)		809,896,645
Mortgage-Backed Securities- 11.4%		
Fannie Mae: 3.0000%, TBA, 15 Year Maturity 3.5000%, TBA, 15 Year Maturity 4.0000%, TBA, 15 Year Maturity 2.5000%, TBA, 30 Year Maturity 4.0000%, TBA, 30 Year Maturity 4.5000%, TBA, 30 Year Maturity 5.0000%, TBA, 30 Year Maturity 5.0000%, TBA, 30 Year Maturity	15,458,791 26,592,000 26,115,000 33,539,767 3,876,934 38,969 3,782,200	14,577,624 25,616,765 25,617,274 28,532,515 3,666,645 37,780 3,743,175
Fannie Mae Pool: 3.0000%, 10/1/34 2.5000%, 11/1/34 3.0000%, 11/1/34 3.0000%, 12/1/34 2.5000%, 12/1/36 6.0000%, 2/1/37 4.5000%, 11/1/42 3.0000%, 11/1/43 3.0000%, 2/1/43 3.0000%, 5/1/43 5.0000%, 5/1/44 4.5000%, 3/1/45 4.0000%, 3/1/45 4.0000%, 5/1/45 3.0000%, 5/1/45 3.0000%, 2/1/46 3.0000%, 2/1/46 3.0000%, 2/1/47 3.0000%, 3/1/47 4.0000%, 11/1/47 4.0000%, 11/1/47 4.0000%, 11/1/47 3.5000%, 12/1/47 3.5000%, 12/1/47 3.5000%, 1/1/48 4.0000%, 1/1/48 4.0000%, 1/1/48 4.0000%, 1/1/48 3.0000%, 3/1/48 4.0000%, 3/1/48 4.0000%, 3/1/48 4.5000%, 3/1/48 4.5000%, 3/1/48 4.5000%, 3/1/48 4.5000%, 3/1/48 4.5000%, 6/1/48	250,914 195,753 118,328 112,926 12,422,306 49,259 274,275 167,286 39,381 395,576 30,031 663,155 1,037,727 222,950 531,577 67,006 1,202,093 11,948,904 1,289,037 223,846 1,263,969 1,772,036 104,084 66,511 652,116 2,420,054 2,363,089 1,057,115 623,778 103,119 717,380 28,444 644,435 1,339,075	238,173 182,079 113,135 107,829 11,518,438 51,691 274,394 152,246 35,792 360,301 30,441 666,046 1,042,251 215,472 529,470 60,603 1,195,245 10,898,968 1,163,686 211,962 1,217,324 1,706,669 98,558 62,980 613,720 2,343,618 2,285,757 1,018,104 564,282 97,208 693,694 28,016 648,037 1,318,933
4.0000%, 7/1/48 4.0000%, 8/1/48 4.5000%, 8/1/48 4.0000%, 9/1/48	1,544,637 706,994 13,673 1,689,809	1,484,083 679,278 13,467 1,627,450

	Shares or	
	Principal Amounts	Value
Mortgage-Backed Securities (continued)	•	
Fannie Mae Pool- (continued)		
4.0000%, 10/1/48	\$603,730	\$581,047
4.0000%, 11/1/48	1,802,487	1,731,823
4.0000%, 12/1/48 4.0000%, 2/1/49	285,244 349,760	274,061 336,048
3.5000%, 5/1/49	3,248,581	3,010,867
4.000%, 6/1/49	232,937	223,460
4.5000%, 6/1/49	120,663	118,612
3.0000%, 8/1/49	803,604	712,640
4.5000%, 8/1/49	168,542	165,677
3.0000%, 9/1/49	4,541,953	4,064,385
3.0000%, 9/1/49	171,610	155,007
4.0000%, 9/1/49	1,114,816	1,069,411
4.0000%, 11/1/49 4.0000%, 11/1/49	3,825,879 337,607	3,675,892 324,910
4.5000%, 171749	3,001,397	2,956,252
4.5000%, 1/1/50	227,222	223,365
4.0000%, 3/1/50	5,578,868	5,369,259
4.0000%, 3/1/50	3,006,700	2,888,828
4.0000%, 3/1/50	1,162,408	1,116,838
4.0000%, 4/1/50	748,163	712,773
4.5000%, 7/1/50	4,867,958	4,712,236
2.5000%, 8/1/50	21,611,426	18,710,587
2.5000%, 8/1/50 4.0000%, 8/1/50	627,905 678,015	545,097
4.0000%, 8/1/50 4.0000%, 9/1/50	678,215 5,844,274	646,134 5,606,503
4.0000%, 10/1/50	6,088,074	5,859,115
4.5000%, 10/1/50	3,684,722	3,629,299
4.5000%, 12/1/50	5,256,989	5,167,754
3.5000%, 2/1/51	4,505,789	4,176,079
4.0000%, 3/1/51	15,675,183	15,037,447
4.0000%, 3/1/51	303,268	290,929
4.0000%, 3/1/51	152,922	146,927
4.0000%, 8/1/51	2,797,259	2,687,597
4.0000%, 10/1/51 4.0000%, 10/1/51	16,517,704 2,216,759	15,845,691 2,126,571
3.000%, 12/1/51	48,633,703	43,302,872
2.5000%, 1/1/52	3,961,046	3,413,745
3.5000%, 1/1/52	2,025,839	1,891,955
2.5000%, 2/1/52	19,470,734	16,770,801
2.5000%, 2/1/52	18,575,297	15,981,059
3.5000%, 2/1/52	5,292,304	4,941,729
2.5000%, 3/1/52	7,965,868	6,845,445
2.5000%, 3/1/52 2.5000%, 3/1/52	7,914,778 7,825,874	6,817,266 6,723,206
2.5000%, 3/1/52	2,971,124	2,564,883
2.5000%, 3/1/52	692,186	594,828
2.5000%, 3/1/52	625,072	537,154
2.5000%, 3/1/52	558,082	480,695
2.5000%, 3/1/52	235,153	202,637
3.0000%, 3/1/52	3,800,729	3,400,374
3.5000%, 3/1/52	19,134,068	17,830,812
3.5000%, 3/1/52	3,754,482	3,504,929
3.0000%, 4/1/52	8,222,420 3,214,050	7,332,634
3.0000%, 4/1/52 3.0000%, 4/1/52	3,214,259 2,745,476	2,879,648 2,456,064
3.5000%, 4/1/52	2,745,476	2,430,004
3.5000%, 4/1/52	2,172,020	1,964,875
3.5000%, 4/1/52	1,502,161	1,400,843
3.5000%, 4/1/52	906,714	844,675

	Shares or Principal Amounts	Value
Mortgage-Backed Securities- (continued)		
Fannie Mae Pool- (continued)		
3.5000%, 4/1/52	\$503,273	\$469,403
3.5000%, 4/1/52	448,836	418,563
4.0000%, 4/1/52	2,353,601	2,248,381
4.5000%, 4/1/52	455,400	441,573
4.5000%, 4/1/52 4.5000%, 4/1/52	385,349 220,923	373,648 214,215
4.5000%, 4/1/52	200,628	194,536
4.5000%, 4/1/52	175,383	170,058
4.5000%, 4/1/52	112,935	109,500
3.5000%, 5/1/52	1,539,276	1,433,717
4.5000%, 5/1/52	611,441	592,876
3.5000%, 6/1/52	8,933,058	8,320,459
3.5000%, 6/1/52	5,115,716	4,773,309
3.5000%, 7/1/52	1,319,046	1,228,590
3.5000%, 7/1/52	474,086	442,281
4.5000%, 7/1/52	2,465,634	2,391,101
3.5000%, 8/1/52 4.5000%, 8/1/52	878,740 8,991,511	818,343
5.000%, 9/1/52	4,370,676	8,719,709 4,323,490
5.5000%, 9/1/52	11,291,455	11,373,944
5.0000%, 10/1/52	1,990,091	1,983,022
5.0000%, 10/1/52	875,104	871,995
4.5000%, 11/1/52	6,377,187	6,243,852
5.0000%, 11/1/52	4,883,299	4,865,952
5.5000%, 11/1/52	4,281,702	4,360,936
5.0000%, 1/1/53	1,211,459	1,207,155
5.0000%, 1/1/53	392,011	390,619
5.0000%, 2/1/53	497,717	495,949
5.0000%, 3/1/53	1,058,073	1,046,732
5.000%, 3/1/53 5.5000%, 3/1/53	286,882 200,952	285,653 203,356
5.000%, 4/1/53	1,384,146	1,369,309
5.000%, 4/1/53	554,184	551,810
5.0000%, 4/1/53	323,104	319,641
5.0000%, 4/1/53	275,581	272,627
5.5000%, 4/1/53	95,967	97,115
5.0000%, 5/1/53	282,239	281,030
5.5000%, 5/1/53	177,820	179,948
5.5000%, 5/1/53	92,810	93,920
5.0000%, 6/1/53	1,120,632	1,125,349
5.0000%, 6/1/53 5.0000%, 6/1/53	400,797 344,873	398,784 343,396
5.5000%, 6/1/53	10,628,589	10,809,884
5.5000%, 6/1/53	166,816	169,661
4.5000%, 7/1/53	2,393,831	2,352,901
5.0000%, 7/1/53	3,889,739	3,903,218
5.5000%, 7/1/53	13,434,968	13,502,910
5.5000%, 7/1/53	478,342	484,065
5.5000%, 7/1/53	287,660	292,567
4.5000%, 8/1/53	2,094,907	2,059,087
5.0000%, 8/1/53	5,293,653	5,315,991
5.0000%, 8/1/53	346,274	345,044
5.5000%, 9/1/53 3.5000%, 8/1/56	8,298,828 0.756,917	8,440,385
3.5000%, 8/1/56 3.0000%, 2/1/57	2,756,817 2,741,518	2,529,094 2,417,144
3.0000%, 2/1/5/	2,741,518 49,046	2,417,144 43,200
0.0000 /0 <sub>1</sub> 0/ 1/ 01	40,040	444,425,567
Freddie Mac Gold Pool:		777,720,001
4.000%, 8/1/48	777,251	747,658
	,== .	,

	Shares or Principal Amounts	Value
Mortgage-Backed Securities- (continued)	,	
Freddie Mac Gold Pool- (continued)		
4.0000%, 9/1/48	\$516,619	\$496,905
Freddie Mac Pool:		1,244,563
3.0000%, 5/1/31	2,556,118	2,449,339
3.0000%, 9/1/32	577,405	549,268
3.0000%, 10/1/32	280,362	266,422
3.0000%, 1/1/33	350,317	332,979
2.5000%, 12/1/33	2,636,471	2,485,342
3.0000%, 10/1/34	652,529	622,480 281,237
3.0000%, 10/1/34 2.5000%, 11/1/34	296,281 757,528	704,612
2.5000%, 11/1/34	206,430	192,010
2.5000%, 6/1/37	8,674,116	8,013,870
6.0000%, 4/1/40	772,956	812,947
3.0000%, 3/1/43	1,385,646	1,263,891
3.0000%, 6/1/43	54,627	49,092
4.5000%, 5/1/44	206,243	205,425
3.000%, 1/1/45 3.000%, 1/1/46	674,466 121,046	612,556 110,431
3.5000%, 7/1/46	479,940	452,473
4.0000%, 3/1/47	279,705	270,308
3.0000%, 4/1/47	321,543	290,259
3.5000%, 12/1/47	1,565,266	1,468,522
3.5000%, 2/1/48	573,109	536,213
4.0000%, 3/1/48	619,335	598,887
4.5000%, 3/1/48 4.0000%, 4/1/48	22,372 603,507	22,036 582,891
4.0000%, 4/1/48	594,344	571,044
4.000%, 4/1/48	133,269	128,044
4.0000%, 5/1/48	995,090	956,079
4.5000%, 7/1/48	148,252	146,022
5.0000%, 9/1/48	30,102	30,242
4.0000%, 11/1/48	162,351	155,987
4.000%, 12/1/48 4.5000%, 12/1/48	2,012,139 516,782	1,933,296 517,470
4.5000%, 6/1/49	135,777	133,470
4.0000%, 7/1/49	1,483,122	1,422,716
4.5000%, 7/1/49	1,122,112	1,103,041
4.5000%, 7/1/49	172,691	169,756
3.0000%, 8/1/49	246,832	218,892
4.5000%, 8/1/49	1,014,900	997,652
3.000%, 12/1/49 3.000%, 12/1/49	311,329 243,250	278,594 217,673
4.5000%, 1/1/50	687,739	676,050
4.5000%, 1/1/50	190,909	187,668
3.5000%, 3/1/50	145,580	134,349
4.0000%, 3/1/50	1,985,059	1,907,238
4.5000%, 3/1/50	2,349,951	2,259,274
4.0000%, 6/1/50	3,171,404	3,055,793
2.5000%, 8/1/50 2.5000%, 8/1/50	314,119 120,717	272,771 104,797
2.5000%, 9/1/50	582,262	505,329
4.5000%, 9/1/50	5,654,733	5,569,679
4.0000%, 10/1/50	525,854	504,460
4.5000%, 10/1/50	3,077,763	3,025,519
4.0000%, 11/1/50	3,554,719	3,410,097
2.5000%, 6/1/51	6,608,905	5,711,986
2.5000%, 10/1/51 2.5000%, 11/1/51	14,413,632 4,535,725	12,386,322
2.5000%, 11/1/51	4,535,725	3,914,639

	Shares or Principal Amounts	Value
Mortgage-Backed Securities- (continued)	i ilicipai Amounts	value
Freddie Mac Pool- (continued)		
2.5000%, 1/1/52	\$1,214,565	\$1,049,432
2.5000%, 1/1/52	760,068	656,541
2.5000%, 2/1/52 2.0000%, 0/1/50	1,816,094	1,564,264
3.0000%, 2/1/52 3.0000%, 2/1/52	1,022,519 701,592	914,889 628,663
2.5000%, 3/1/52	9,930,488	8,523,894
2.5000%, 3/1/52	282,756	242,986
3.0000%, 3/1/52	1,057,879	947,833
4.5000%, 3/1/52	94,909	92,027
3.5000%, 4/1/52 3.5000%, 4/1/52	2,157,234 1,103,049	2,014,667 1,027,577
3.5000%, 4/1/52	1,095,049	1,020,116
3.5000%, 4/1/52	327,306	305,278
3.5000%, 4/1/52	309,508	288,633
2.5000%, 5/1/52	4,167,215	3,583,153
3.0000%, 6/1/52	13,421,345	12,026,231
3.5000%, 6/1/52 4.5000%, 8/1/52	4,749,214 19,777,381	4,434,614 19,179,536
4.5000%, 8/1/52	8,510,830	8,255,977
4.5000%, 8/1/52	4,445,839	4,311,447
5.0000%, 8/1/52	4,467,856	4,484,934
5.5000%, 9/1/52	2,622,076	2,672,364
4.5000%, 10/1/52 5.0000%, 10/1/52	4,079,138	3,993,851
5.0000%, 10/1/52	6,016,752 3,917,566	5,995,379 3,903,650
5.0000%, 10/1/52	120,498	120,070
5.5000%, 10/1/52	140,582	143,210
5.0000%, 1/1/53	226,429	225,625
5.0000%, 1/1/53	196,041	195,345
6.0000%, 1/1/53 5.0000%, 3/1/53	4,827,888 1,673,403	4,902,417 1,655,465
5.0000%, 3/1/53	831,454	827,892
5.0000%, 3/1/53	804,566	801,119
5.0000%, 3/1/53	310,563	307,234
5.0000%, 4/1/53	991,751	986,767
4.5000%, 5/1/53 5.0000%, 5/1/53	13,733,987 4,922,946	13,446,835 4,898,209
5.0000%, 5/1/53	2,033,084	2,022,868
5.0000%, 5/1/53	1,146,481	1,140,720
5.0000%, 5/1/53	220,992	220,045
5.5000%, 5/1/53	2,108,171	2,141,719
5.5000%, 5/1/53 5.0000%, 6/1/53	415,050	420,016
5.0000%, 6/1/53 5.0000%, 6/1/53	787,510 777,725	778,995 769,279
5.0000%, 6/1/53	765,682	761,835
5.0000%, 6/1/53	755,986	747,882
5.0000%, 6/1/53	616,222	609,560
5.0000%, 6/1/53	467,461	462,450
5.0000%, 6/1/53 5.0000%, 6/1/53	435,843 292,688	431,171 289,510
5.5000%, 6/1/53	912,367	923,283
5.5000%, 6/1/53	746,693	750,469
5.5000%, 6/1/53	613,384	616,486
5.5000%, 6/1/53	589,172	592,152
5.5000%, 6/1/53 5.0000%, 7/1/53	488,205 1 468 100	490,314
5.0000%, 7/1/53 5.0000%, 7/1/53	1,468,190 944,067	1,472,173 933,948
5.5000%, 7/1/53	2,187,705	2,213,880
5.5000%, 7/1/53	1,463,852	1,471,255

	Shares or Principal Amounts	Value
Mortgage-Backed Securities- (continued) Freddie Mac Pool- (continued)	,	
5.5000%, 7/1/53	\$1,383,416	\$1,399,968
6.0000%, 11/1/53	4,861,552	5,000,301
6.5000%, 11/1/53	6,202,630	6,413,601
Ginnie Mae:		229,481,443
2.5000%, TBA, 30 Year Maturity	44,383,441	38,853,619
3.5000%, TBA, 30 Year Maturity	32,384,335	30,137,283
4.0000%, TBA, 30 Year Maturity	17,210,047	16,426,129
4.5000%, TBA, 30 Year Maturity 5.0000%, TBA, 30 Year Maturity	9,372,944 6,595,041	9,145,416 6,549,502
5.000070, TBA, 50 Teal Maturity	0,393,041	101,111,949
Ginnie Mae I Pool:		
4.0000%, 1/15/45	2,484,192	2,424,042
4.5000%, 8/15/46	2,673,363	2,638,766
4.0000%, 7/15/47 4.0000%, 8/15/47	492,859 64,924	475,560 62,645
4.0000%, 11/15/47	74,331	71,722
4.0000%, 12/15/47	221,009	213,252
0		5,885,987
Ginnie Mae II Pool: 3.0000%, 11/20/46	10,778,678	9,884,492
4.000%, 8/20/47	300,283	289,852
4.0000%, 8/20/47	53,047	51,204
4.0000%, 8/20/47	41,607	40,161
4.5000%, 2/20/48	253,222 106,530	250,194
4.0000%, 5/20/48 4.5000%, 5/20/48	126,530 428,183	122,464 423,149
4.5000%, 5/20/48	110,676	109,374
4.0000%, 6/20/48	1,279,143	1,237,235
5.0000%, 8/20/48	872,657	879,166
3.5000%, 5/20/49 2.5000%, 3/20/51	14,376,085 13,585,671	13,512,427 11,925,964
3.000%, 4/20/51	11,864,441	10,770,179
3.0000%, 7/20/51	6,720,593	6,094,516
3.0000%, 8/20/51	15,188,418	13,768,798
Tatal Markaga Basked Convilies (and \$066,070,044)		69,359,175
Total Mortgage-Backed Securities (cost \$966,072,844) United States Treasury Notes/Bonds- 7.3%		953,300,462
4.3750%, 12/15/26	125,149,000	126,371,158
4.3750%, 11/30/28	101,920,000	104,292,825
4.3750%, 11/30/30	33,783,300	34,738,734
4.5000%, 11/15/33 4.3750%, 8/15/43	142,404,700	149,502,684 25,431,744
4.7500%, 11/15/43	24,914,000 79,375,000	25,451,744 85,142,090
4.1250%, 8/15/53	79,541,000	80,398,551
4.7500%, 11/15/53	4,973,000	5,576,753
Total United States Treasury Notes/Bonds (cost \$587,406,426)		611,454,539
Common Stocks- 61.1%		
Aerospace & Defense – 0.7% General Dynamics Corp	211,248	54,854,768
Air Freight & Logistics – 0.6%	211,210	3 1,00 1,1 00
United Parcel Service Inc	320,148	50,336,870
Banks – 1.3%	COE 100	100041077
JPMorgan Chase & Co Beverages – 1.2%	625,168	106,341,077
Constellation Brands Inc - Class A	177,559	42,924,888
Monster Beverage Corp	1,055,434	60,803,553 103,728,441

	Shares or Principal Amounts	Value
Common Stocks- (continued)		
Biotechnology – 1.0% AbbVie Inc	388,388	\$60,188,488
Vertex Pharmaceuticals Inc*	64,738	26,341,245
Voltex i Haimaccuticais inc	04,700	86,529,733
Building Products – 0.5%		2 2 4 2 2
Trane Technologies PLC	162,247	39,572,043
Capital Markets – 2.0%	E 4E 00F	07.557.714
Charles Schwab Corp CME Group Inc	545,897 251,900	37,557,714 53,050,140
Morgan Stanley	824,596	76,893,577
	,	167,501,431
Chemicals – 0.5%		
Corteva Inc	795,873	38,138,234
Communications Equipment – 0.2%	332,775	16.911.702
Cisco Systems Inc Consumer Finance – 1.3%	332,113	16,811,793
American Express Co	589,810	110,495,005
Diversified Financial Services – 2.3%		
Mastercard Inc	451,969	192,769,298
Electrical Equipment – 0.5% Rockwell Automation Inc	101 540	37,738,223
Energy Equipment & Services – 0.4%	121,548	31,130,223
Schlumberger Ltd	620,683	32,300,343
Entertainment – 0.3%	,	, ,
Netflix Inc*	59,710	29,071,605
Food & Staples Retailing – 1.3%	00 560	65,063,426
Costco Wholesale Corp Sysco Corp	98,569 654,043	47,830,165
Gyses Gorp	004,040	112,893,591
Food Products – 0.4%		,
Hershey Co	175,053	32,636,881
Health Care Equipment & Supplies – 1.9%	742007	01 001 750
Abbott Laboratories Edwards Lifesciences Corp*	743,997 387,141	81,891,750 29,519,501
Stryker Corp	149,783	44,854,017
0.1) No. 100.1p	. 15,1 50	156,265,268
Health Care Providers & Services – 2.3%		
HCA Healthcare Inc	101,543	27,485,659
UnitedHealth Group Inc	320,414	168,688,359
Hotels, Restaurants & Leisure – 4.4%		196,174,018
Booking Holdings Inc*	21,202	75,208,158
Chipotle Mexican Grill Inc*	16,224	37,103,639
Hilton Worldwide Holdings Inc	523,375	95,301,354
McDonald's Corp	355,495	105,407,822
Starbucks Corp	613,717	58,922,969
Household Products – 0.7%		371,943,942
Procter & Gamble Co	427,887	62,702,561
Industrial Conglomerates – 0.9%		
Honeywell International Inc	341,566	71,629,806
Information Technology Services – 1.4% Accenture PLC	342,832	100 202 177
Insurance – 1.7%	342,032	120,303,177
Marsh & McLennan Cos Inc	205,922	39,016,041
Progressive Corp/The	660,975	105,280,098
		144,296,139
Interactive Media & Services – 4.4%	1.000.000	00000000
Alphabet Inc - Class C*	1,606,020	226,336,399

Common Stocks- (continued)   Interactive Media & Services - (continued)   Interactive Media & Services - (continued)   Media Platforms Inc - Class A**   408,460   \$144,578,502   370,914,901   152,420   33,926,0843   Thermo Fisher Scientific Inc   152,420   33,926,0843   Thermo Fisher Scientific Inc   152,420   33,926,0843   Thermo Fisher Scientific Inc   101,183,899   Machinery - 1,196   65,933,056   65		Shares or Principal Amounts	Value
Mela Platforms Inc - Class A*   408,460   \$144,578,502   370,914,901   201,002,005   30,005,005,005   30,005,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   30,005,005   3	Common Stocks- (continued)		
16   16   16   17   18   18   18   18   18   18   18			
Life Sciences Tools & Services - 1.2% Danaher Corp         152,420         35,260,843 65,923,056           Thermor Fisher Scientific Inc         124,198         65,923,056           Machinery - 1.1% Deere & Co         219,795         87,889,427           Media - 0.8% Comeast Corp - Class A         1,543,449         67,680,239           Multiline Retail - 1.6% Amazon.com Inc         899,314         136,641,769           Oli, Gas & Consumable Fuels - 1.5% Concorphilips         342,472         51,083,124           ConcocPhillips         606,846         70,436,615           Pharmaceuticals - 2.2% Eli Lilly & Co         130,048         78,897,590           Eli Lilly & Co         130,048         78,897,590           Merick & Co Inc         612,017         66,722,093           Zoetis Inc         236,886         55,187,331           Semiconductor & Semiconductor Equipment - 5,3%         236,886         55,187,331           Semiconductor & Semiconductor Equipment - 5,3%         236,886         55,187,331           Semiconductor & Semiconductor Equipment - 5,3%         99,335         57,743,435           KLA Corp         99,335         57,743,435           VALDIDA Corp         41,264         24,348,076           Texas Instruments Inc         37,2324         63,466,349 <tr< td=""><td>Meta Platforms Inc - Class A*</td><td>408,460</td><td></td></tr<>	Meta Platforms Inc - Class A*	408,460	
Danaher Corp	Life Caianana Taola & Caminas 1 00%		370,914,901
Thermor Fisher Scientific Inc         124,198         65,923,086           Machinery − 1,196         101,183,899         87,889,427           Media − 0,896         1,543,449         67,680,239           Multiline Rotal − 1,696         1,543,449         67,680,239           Multiline Rotal − 1,696         39,314         136,641,769           Oli, Gas & Consumable Fuels − 1,596         32,472         51,083,124           Cherron Corp         342,472         51,083,124           Cherron Carp         606,846         70,436,615           Pharmaceuticals − 2,296         13,0048         75,807,580           Eli Lilly & Co         130,048         75,807,580           Morck & Co Inc         612,017         66,722,93           Zootis Inc         236,886         55,187,331           Semiconductor & Semiconductor Equipment − 5,396         236,886         55,187,331           Semiconductor & Semiconductor Equipment − 5,396         39,335         57,743,435           LIA Corp         99,335         57,743,435           LIA Corp         148,075         115,991,224           MVIDIA Corp         142,641         204,348,076           Texas Instruments Inc         30,815         26,366,349           Adobe Inc*         10		159.490	35 260 843
Machinery - 1.1%   Deere & Co		•	
Deere & Co         219,795         87,889,427           Media − 0,39%         1,543,449         67,680,239           Multiline Retail − 1,69%         899,314         136,641,769           Oil, Gas & Consumable Fuels − 1,59%         342,472         51,083,124           Chewron Corp         342,472         51,083,124           ConcocPhillips         666,846         70,436,615           Chewron Corp         666,846         70,436,615           Pharmaceuticals − 229%         121,519,739           Eli Lilly & Co         130,048         75,807,580           Merck & Co Inc         21,739         43,764,626           Merck & Co Inc         221,739         43,764,626           Professional Services − 0,7%         Automatic Data Processing Inc         36,886         55,187,331           Semiconductor & Semiconductor Equipment − 5,3%         KLA Corp         99,335         57,743,435           Lam Research Corp         148,075         115,981,224           NDIDIA Corp         141,2641         204,348,076           Texas Instruments Inc         372,324         63,466,349           Software − 8,3%         Adobe Inc*         96,815         26,369,502           Adobe Inc*         96,815         26,369,502		,	
Media – 0.28%         1,543,449         67,680,239           Multiline Retail – 1.6%         899,314         136,641,769           Amazon.com Inc*         899,314         136,641,769           Oli, Gas & Consumable Fuels – 1.5%         121,519,739         51,083,124           Chevron Corp         342,472         51,083,124           Chevron Corp         342,472         51,083,124           Chevron Corp         30,048         75,805,615           Eli Lilly & Co         130,048         75,807,680           Eli Lilly & Co         612,017         66,722,093           Zoetis Inc         221,739         43,764,626           Professional Services – 0.7%         43,764,626         55,187,331           Semiconductor & Semiconductor Equipment – 5.3%         57,743,435         57,743,435           Semiconductor & Semiconductor Equipment – 5.3%         99,335         57,743,435           Lam Research Corp         148,075         115,981,224           NIDIA Corp         142,641         204,348,076           Texas Instruments Inc         372,324         63,466,349           Adobe Inc*         96,815         26,369,502           Intuit Inc         101,566         60,594,276           Ago From Corp         136,945			
Comeast Corp - Class A   1,543,449   67,680,239   Multiline Retail - 1,6%   Amazon.com Inc'   899,314   136,641,769   01,638 & Consumable Fuels - 1,5%   51,083,124   ConcocPhillips   606,846   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,615   70,436,616   70,43		219,795	87,889,427
Multiline Retail = 1.6% Amazoncom Inc*         899,314         136,641,769           Oli, Gas & Consumable Fuels = 1.5%         342,472         51,083,124           Chevron Corp         342,472         51,083,124           ConcocPhillips         606,846         70,436,615           Pharmaceuticals = 2.2%         130,048         75,807,580           Eli Lilly & Co         613,2017         66,722,093           Zoetis Inc         221,739         43,764,696           Merck & Co Inc         221,739         43,764,696           Professional Services = 0.7%         43,663,696         55,187,331           Automatic Data Processing Inc         236,886         55,187,331           Semiconductor & Semiconductor Equipment = 5.3%         414,8075         115,981,224           NVIDIA Corp         99,335         57,743,435           Lam Research Corp         412,641         204,348,076           Texas Instruments Inc         372,324         63,466,349           Forward Inc         96,815         236,886           Software = 8.3%         441,533,084           Software = 8.3%         441,533,084           Software = 8.3%         51,949,52           Microsoft Corp         13,694,59         514,971,362           O		1 5 40 4 40	67,600,000
Amazon.com Inc* Oil, Gas & Consumable Fuels − 1.5% Chevron Corp Chevron	l control of the cont	1,543,449	67,080,239
Oil, Gas & Consumable Fuels – 1.5%       51,083,124         Chevron Corp       342,472       51,083,124         Chevron Corp       606,846       70,436,615         121,519,739       121,519,739         Pharmaceuticals – 2.2%       130,048       75,807,580         El Lilly & Co       130,048       75,807,580         Merck & Co Inc       221,739       43764,826         Bespield of Company       421,739       43764,826         Professional Services – 0.7%       421,739       43764,826         Automatic Data Processing Inc       236,886       55,187,331         Semiconductor & Semiconductor Equipment – 5.3%       148,075       115,981,224         NIDIA Corp       99,335       57,743,435         Lam Research Corp       412,641       20,348,076         Texas Instruments Inc       372,324       63,466,349         Software – 8.3%       441,539,084         Software – 8.3%       441,539,084         Software – Besign Systems Inc*       101,566       60,594,276         Cadence Design Systems Inc*       96,815       20,369,502         Intuit Inc       81,748       51,094,952         Mircosoft Corp       1,369,459       51,497,1362         Oracle Corp		899.314	136 641 769
Chewron Corp		333,31	
Pharmaceuticals - 2.2%   121,519,739		342,472	51,083,124
Pharmaceuticals - 2.2%	ConocoPhillips	606,846	
Eli Lilly & Co	B1		121,519,739
Merck & Co Inc         612,017         66,722,093           Zoetis Inc         221,739         43,764,626           Professional Services - 0.7%         186,294,299           Automatic Data Processing Inc         236,886         55,187,331           Semiconductor & Semiconductor Equipment - 5.3%         293,35         57,743,435           Lam Research Corp         148,075         115,981,224           NVIDIA Corp         412,641         204,348,076           Texas Instruments Inc         372,324         63,466,349           Software - 8.3%         441,539,084           Adobe Inc*         101,566         60,594,276           Cadence Design Systems Inc*         96,815         26,369,502           Intuit Inc         81,748         51,094,952           Microsoft Corp         434,470         45,806,172           Oracle Corp         434,470         45,806,172           Oracle Corp         449,080         60,890,195           Text Inc.         698,336,264           Specialty Retail - 1.6%         649,080         60,890,195           Home Depot Inc         1,518,264         292,311,368           Text Illes, Apparel & Luxury Goods - 1.1%         1,518,264         292,311,368           Text Illes, Apparel		120.040	75 007 500
Zoetis Inc         221,739         43,764,626           Professional Services - 0.7%         186,294,299           Automatic Data Processing Inc         236,886         55,187,331           Semiconductor & Semiconductor Equipment - 5.3%         99,335         57,743,435           Lam Research Corp         148,075         115,981,224           NVDIDA Corp         412,641         204,348,076           Texas Instruments Inc         372,324         63,466,349           Software - 8.3%         441,539,084           Adobe Inc*         101,566         60,594,276           Cadence Design Systems Inc*         96,815         26,369,502           Intuit Inc         81,748         51,094,952           Microsoft Corp         1,369,459         514,971,362           Oracle Corp         434,470         45,806,172           Oracle Corp         241,126         74,205,365           Tyx Cos Inc         214,126         74,205,365           Tyx Cos Inc         649,080         60,890,195           Textiles, Apparel & Luxury Goods - 1.1%         1,518,264         292,311,368           Textiles, Apparel & Luxury Goods - 1.1%         853,670         92,682,952           Total Common Stocks (cost \$2,720,890,791)         51,22,811,079 <td></td> <td> / -</td> <td></td>		/ -	
186,294,299		·	
Professional Services − 0.7% Automatic Data Processing Inc         236,886         55,187,331           Semiconductor & Semiconductor Equipment − 5.3% KLA Corp         99,335         57,743,435           Lam Research Corp         148,075         115,981,224           NVIDIA Corp         412,641         204,348,076           Texas Instruments Inc         372,324         63,466,349           Software − 8.3% Adobe Inc*         101,566         60,594,276           Cadence Design Systems Inc*         96,815         26,369,502           Intuit Inc         81,748         51,094,952           Microsoft Corp         434,470         45,806,172           Oracle Corp         434,470         45,806,172           Specialty Retail − 1.6%         649,080         60,890,195           Texhles, Apparel & Luxury Goods − 1.1%         1,518,264         292,311,368           Texhles, Apparel & Luxury Goods − 1.1%         1,518,264         292,311,368           Textles, Apparel & Luxury Goods − 1.1%         85,670         92,682,952           Total Common Stocks (cost \$2,720,890,791)         5,122,811,079           Investment Companies − 3.3%         279,389,312           Janus Henderson Cash Liquidity Fund LLC, 5.3879%**c (cost \$279,367,572)         279,333,445         279,389,312           Tot	255.15 11.15	22.,,.66	
Semiconductor & Semiconductor Equipment - 5.3%   KLA Corp   99,335   57,743,435   Lam Research Corp   148,075   115,981,224   NVIDIA Corp   412,641   204,348,076   Texas Instruments Inc   372,324   63,466,349   441,539,084   441,539,084   372,324   63,466,349   372,324   63,466,349   372,324   63,466,349   372,324   63,466,349   372,324   63,466,349   372,324   63,466,349   372,324   63,466,349   372,324   63,466,349   372,324   63,466,349   372,324   63,466,349   372,324   63,466,349   372,324   63,466,349   372,324	Professional Services – 0.7%		
KLA Corp       99,335       57,743,435         Lam Research Corp       1148,075       115,981,224         NVIDIA Corp       412,641       204,348,076         Texas Instruments Inc       372,324       63,466,349         441,539,084         Software – 8.3%       441,539,084         Adobe Inc*       101,566       60,594,276         Cadence Design Systems Inc*       96,815       26,369,502         Intuit Inc       81,748       51,094,952         Microsoft Corp       1,369,459       514,971,362         Oracle Corp       434,470       45,806,172         Oracle Corp       434,470       698,836,264         Specialty Retail – 1.6%       214,126       74,205,365         Home Depot Inc       214,126       74,205,365         TJX Cos Inc       649,080       60,890,195         Texthles, Apparel & Luxury Goods – 1.1%         NIKE Inc – Class B       853,670       92,682,952         Total Common Stocks (cost \$2,720,890,791)       5,122,811,079         Investment Companies – 3.3%       3,100,284,311       279,389,312         Total Investments (total cost \$6,136,284,311) – 101.8%       279,389,312       279,389,312         Total Investments (total cost \$6,136,284,311) – 101.8%		236,886	55,187,331
Lam Research Corp       148,075       115,981,224         NVIDIA Corp       412,641       204,348,076         Texas Instruments Inc       372,324       63,466,349         441,539,084         Software – 8.3%         Adobe Inc*       101,566       60,594,276         Cadence Design Systems Inc*       96,815       26,369,502         Intuit Inc       81,748       51,094,952         Microsoft Corp       1,369,459       514,971,362         Oracle Corp       434,470       45,806,172         Specialty Retail – 1.6%         Home Depot Inc       214,126       74,205,365         TJX Cos Inc       649,080       60,890,195         Technology Hardware, Storage & Peripherals – 3.5%       49,080       60,890,195         Apple Inc       1,518,264       292,311,368         Total Common Stocks (cost \$2,720,890,791)       5,122,811,079         Investment Companies – 3.3%       5,122,811,079         Money Markets – 3.3%       279,389,312         Total Investments (total cost \$6,136,284,311) – 101,8%       853,2835,544         Liabilities, net of Cash, Receivables and Other Assets – (1.8)%       279,333,445       8532,835,544		00.005	55540405
NVIDIA Corp		/	
Texas Instruments Inc         372,324         63,466,349           Software − 8.3%         441,539,084           Adobe Inc*         101,566         60,594,276           Cadence Design Systems Inc*         96,815         26,369,502           Intuit Inc         81,748         51,094,952           Microsoft Corp         1,369,459         514,971,362           Oracle Corp         434,470         45,806,172           Specialty Retail − 1.6%         214,126         74,205,365           Home Depot Inc         214,126         74,205,365           TJX Cos Inc         649,080         60,890,195           Textnology Hardware, Storage & Peripherals − 3.5%         35,095,560           Textlies, Apparel & Luxury Goods − 1.1%         1,518,264         292,311,368           Textlies, Apparel & Luxury Goods − 1.1%         853,670         92,682,952           Total Common Stocks (cost \$2,720,890,791)         5,122,811,079           Investment Companies − 3.3%         40,000         5,122,811,079           Money Markets − 3.3%         279,389,312           Total Investments (total cost \$6,136,284,311) − 101.8%         8,532,835,544           Liabilities, net of Cash, Receivables and Other Assets − (1.8)%         (152,285,861)	·		
Software – 8.3%       441,539,084         Adobe Inc*       101,566       60,594,276         Cadence Design Systems Inc*       96,815       26,369,502         Intuit Inc       81,748       51,094,952         Microsoft Corp       1,369,459       514,971,362         Oracle Corp       434,470       45,806,172         698,36,264         Specialty Retail – 1.6%       214,126       74,205,365         TJX Cos Inc       649,080       60,890,195         TS,095,560       135,095,560         Technology Hardware, Storage & Peripherals – 3.5%       49,182,264       292,311,368         Textiles, Apparel & Luxury Goods – 1.1%       1,518,264       292,311,368         NIKE Inc - Class B       853,670       92,682,952         Total Common Stocks (cost \$2,720,890,791)       5,122,811,079         Investment Companies – 3.3%       40,080       40,080         Money Markets – 3.3%       279,389,312         Total Investments (total cost \$6,136,284,311) – 101.8%       279,333,445       279,389,312         Total Investments (total cost \$6,136,284,311) – 101.8%       8,532,835,544         Liabilities, net of Cash, Receivables and Other Assets – (1.8)%       (152,285,861)			
Adobe Inc* Cadence Design Systems Inc* Cadence Design Systems Inc* Cadence Design Systems Inc* Second Systems Inc* Cadence Design Systems Inc* Second Systems Inc* Specialty Retail - 1.6% Home Depot Inc TJX Cos Inc Table Inc Technology Hardware, Storage & Peripherals - 3.5% Apple Inc Textiles, Apparel & Luxury Goods - 1.1% NIKE Inc - Class B Total Common Stocks (cost \$2,720,890,791) Investment Companies - 3.3% Money Markets - 3.3% Money Markets - 3.3% Janus Henderson Cash Liquidity Fund LLC, 5.3879%**£ (cost \$279,367,572) Total Investments (total cost \$6,136,284,311) - 101.8% Liabilities, net of Cash, Receivables and Other Assets - (1.8)%  101,566 60,594,276 96,815 21,036,950 214,148 51,094,947 24,205,365 649,080 69,836,264  214,126 74,205,365 74,205,365 74,205,365 74,205,365 74,205,365 74,205,365 7514,126 74,205,365 74,205,365 74,205,365 7514,126 74,205,365 7514,126 74,205,365 74,205,365 7514,126 74,205,365 74,205,365 7514,126 74,205,365 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 74,205,365 7514,126 74,205,365 74,205,365 7514,126 74,205,365 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 7514,126 74,205,365 74,205,365 7514,126 74,205,365		,	
Cadence Design Systems Inc*       96,815       26,369,502         Intuit Inc       81,748       51,094,952         Microsoft Corp       1,369,459       514,971,362         Oracle Corp       434,470       45,806,172         698,836,264         Specialty Retail − 1.6%       214,126       74,205,365         TJX Cos Inc       649,080       60,890,195         Technology Hardware, Storage & Peripherals − 3.5%       49,080       60,890,195         Apple Inc       1,518,264       292,311,368         Textiles, Apparel & Luxury Goods − 1.1%       1,518,264       292,311,368         NIKE Inc − Class B       853,670       92,682,952         Total Common Stocks (cost \$2,720,890,791)       5,122,811,079         Investment Companies − 3.3%       40,080       40,080         Money Markets − 3.3%       40,080       40,080       40,080         Janus Henderson Cash Liquidity Fund LLC, 5.3879%**£ (cost \$279,367,572)       279,333,445       279,389,312         Total Investments (total cost \$6,136,284,311) − 101.8%       8,532,835,544         Liabilities, net of Cash, Receivables and Other Assets − (1.8)%       (152,285,861)			
Intuit Inc		•	
Microsoft Corp       1,369,459       514,971,362         Oracle Corp       434,470       45,806,172         Specialty Retail − 1.6%       698,836,264         Specialty Retail − 1.6%       214,126       74,205,365         TJX Cos Inc       649,080       60,890,195         Technology Hardware, Storage & Peripherals − 3.5%       1,518,264       292,311,368         Textiles, Apparel & Luxury Goods − 1.1%       853,670       92,682,952         NIKE Inc − Class B       853,670       92,682,952         Total Common Stocks (cost \$2,720,890,791)       5,122,811,079         Investment Companies − 3.3%       Money Markets − 3.3%       279,389,312         Janus Henderson Cash Liquidity Fund LLC, 5.3879% (cost \$279,367,572)       279,333,445       279,389,312         Total Investments (total cost \$6,136,284,311) − 101.8%       8,532,835,544         Liabilities, net of Cash, Receivables and Other Assets − (1.8)%       (152,285,861)		/ -	
Oracle Corp       434,470       45,806,172         698,836,264         Specialty Retail − 1.6%       214,126       74,205,365         Home Depot Inc       214,126       74,205,365         TJX Cos Inc       649,080       60,890,195         Technology Hardware, Storage & Peripherals − 3.5%         Apple Inc       1,518,264       292,311,368         Textiles, Apparel & Luxury Goods − 1.1%       853,670       92,682,952         NIKE Inc − Class B       853,670       92,682,952         Total Common Stocks (cost \$2,720,890,791)       5,122,811,079         Investment Companies − 3.3%       Money Markets − 3.3%         Money Markets − 3.3%       279,389,312         Total Investments (total cost \$6,136,284,311) − 101.8%       279,389,312         Total Investments (total cost \$6,136,284,311) − 101.8%       8,532,835,544         Liabilities, net of Cash, Receivables and Other Assets − (1.8)%       (152,285,861)			
Specialty Retail - 1.6%   Home Depot Inc   214,126   74,205,365   TJX Cos Inc   649,080   60,890,195   135,095,560     Technology Hardware, Storage & Peripherals - 3.5%   Apple Inc   1,518,264   292,311,368   Textiles, Apparel & Luxury Goods - 1.1%   NIKE Inc - Class B   853,670   92,682,952   Total Common Stocks (cost \$2,720,890,791)   5,122,811,079     Investment Companies - 3.3%   Money Markets - 3.3%   Janus Henderson Cash Liquidity Fund LLC, 5.3879%**.2 (cost \$279,367,572)   279,333,445   279,389,312   Total Investments (total cost \$6,136,284,311) - 101.8%   8,532,835,544   Liabilities, net of Cash, Receivables and Other Assets - (1.8)%   (152,285,861)			
Home Depot Inc TJX Cos Inc  214,126 649,080 60,890,195 135,095,560  Technology Hardware, Storage & Peripherals – 3.5% Apple Inc Textiles, Apparel & Luxury Goods – 1.1% NIKE Inc - Class B Total Common Stocks (cost \$2,720,890,791) Investment Companies – 3.3% Money Markets – 3.3% Money Markets – 3.3% Janus Henderson Cash Liquidity Fund LLC, 5.3879%**£ (cost \$279,367,572) Total Investments (total cost \$6,136,284,311) – 101.8% Liabilities, net of Cash, Receivables and Other Assets – (1.8)%  74,205,365 649,080 60,890,195 135,095,560 1	0.450 05.p	,	
TJX Cos Inc 649,080 60,890,195  Technology Hardware, Storage & Peripherals – 3.5%    Apple Inc 1,518,264 292,311,368  Textiles, Apparel & Luxury Goods – 1.1%    NIKE Inc - Class B 853,670 92,682,952  Total Common Stocks (cost \$2,720,890,791) 5,122,811,079  Investment Companies – 3.3%    Money Markets – 3.3%    Janus Henderson Cash Liquidity Fund LLC, 5.3879%**£ (cost \$279,367,572) 279,333,445 279,389,312  Total Investments (total cost \$6,136,284,311) – 101.8%    Liabilities, net of Cash, Receivables and Other Assets – (1.8)%     (152,285,861)			
Technology Hardware, Storage & Peripherals – 3.5% Apple Inc 1,518,264 292,311,368  Textiles, Apparel & Luxury Goods – 1.1% NIKE Inc - Class B 853,670 92,682,952  Total Common Stocks (cost \$2,720,890,791) Investment Companies – 3.3% Money Markets – 3.3% Janus Henderson Cash Liquidity Fund LLC, 5.3879%**.c (cost \$279,367,572) 279,333,445 279,389,312  Total Investments (total cost \$6,136,284,311) – 101.8% Liabilities, net of Cash, Receivables and Other Assets – (1.8)%  135,095,560 1,518,264 292,311,368 853,670 92,682,952 279,333,445 279,389,312 279,389,312		·	
Technology Hardware, Storage & Peripherals – 3.5%         Apple Inc       1,518,264       292,311,368         Textiles, Apparel & Luxury Goods – 1.1%       \$\$1,518,264       92,682,952         NIKE Inc - Class B       853,670       92,682,952         Total Common Stocks (cost \$2,720,890,791)       5,122,811,079         Investment Companies – 3.3%       \$\$1,122,811,079         Money Markets – 3.3%       \$\$1,22,811,079         Janus Henderson Cash Liquidity Fund LLC, 5.3879%**.c (cost \$279,367,572)       279,333,445       279,389,312         Total Investments (total cost \$6,136,284,311) – 101.8%       8,532,835,544         Liabilities, net of Cash, Receivables and Other Assets – (1.8)%       (152,285,861)	TJX Cos Inc	649,080	
Apple Inc Textiles, Apparel & Luxury Goods – 1.1% NIKE Inc - Class B  Total Common Stocks (cost \$2,720,890,791)  Investment Companies – 3.3% Money Markets – 3.3% Janus Henderson Cash Liquidity Fund LLC, 5.3879%**.£ (cost \$279,367,572)  Total Investments (total cost \$6,136,284,311) – 101.8% Liabilities, net of Cash, Receivables and Other Assets – (1.8)%  1,518,264 292,311,368 853,670 92,682,952 279,333,445 279,389,312 279,389,312 279,389,312 379,389,312 38,532,835,544 21,518,264 292,311,368 853,670 92,682,952 92,682,952	Tachnology Hardwara Storaga & Parinharala 2 50/a		135,095,560
Textiles, Apparel & Luxury Goods - 1.1%       853,670       92,682,952         Total Common Stocks (cost \$2,720,890,791)       5,122,811,079         Investment Companies - 3.3%       8         Money Markets - 3.3%       279,333,445       279,389,312         Total Investments (total cost \$6,136,284,311) - 101.8%       8,532,835,544         Liabilities, net of Cash, Receivables and Other Assets - (1.8)%       (152,285,861)		1 518 264	292.311.368
NIKE Inc - Class B       853,670       92,682,952         Total Common Stocks (cost \$2,720,890,791)       5,122,811,079         Investment Companies - 3.3%       8         Money Markets - 3.3%       279,333,445       279,389,312         Total Investments (total cost \$6,136,284,311) - 101.8%       8,532,835,544         Liabilities, net of Cash, Receivables and Other Assets - (1.8)%       (152,285,861)		1,010,204	202,011,000
Investment Companies – 3.3%  Money Markets – 3.3%  Janus Henderson Cash Liquidity Fund LLC, 5.3879% (cost \$279,367,572) 279,333,445 279,389,312  Total Investments (total cost \$6,136,284,311) – 101.8% 8,532,835,544  Liabilities, net of Cash, Receivables and Other Assets – (1.8)% (152,285,861)		853,670	92,682,952
Money Markets – 3.3%       279,333,445       279,389,312         Janus Henderson Cash Liquidity Fund LLC, 5.3879%**.º (cost \$279,367,572)       279,333,445       279,389,312         Total Investments (total cost \$6,136,284,311) – 101.8%       8,532,835,544         Liabilities, net of Cash, Receivables and Other Assets – (1.8)%       (152,285,861)	Total Common Stocks (cost \$2,720,890,791)		5,122,811,079
Janus Henderson Cash Liquidity Fund LLC, 5.3879% <sup>∞,c</sup> (cost \$279,367,572)       279,333,445       279,389,312         Total Investments (total cost \$6,136,284,311) – 101.8%       8,532,835,544         Liabilities, net of Cash, Receivables and Other Assets – (1.8)%       (152,285,861)			
Total Investments (total cost \$6,136,284,311) - 101.8%         8,532,835,544           Liabilities, net of Cash, Receivables and Other Assets - (1.8)%         (152,285,861)		979 333 115	270 380 310
Liabilities, net of Cash, Receivables and Other Assets – (1.8)% (152,285,861)		219,000,440	
Net Assets – 100% \$8,380,549,683			

#### Summary of Investments by Country - (Long Positions) (unaudited)

		% of
		Investment
Country	Value	Securities
United States	\$8,457,371,317	99.1 %
Canada	22,158,614	0.3
United Kingdom	13,509,703	0.2
France	11,768,346	0.1
Finland	10,125,113	0.1
Japan	7,885,106	0.1
Australia	6,758,675	0.1
Ireland	3,258,670	0.0
Total	\$8,532,835,544	100.0 %

#### Schedules of Affiliated Investments - (% of Net Assets)

	Dividend Income	Realized Gain/(Loss)	Change in Unrealized Appreciation/ Depreciation	Value at 12/31/23
Investment Companies - 3.3% Money Markets - 3.3%				
Janus Henderson Cash Liquidity Fund LLC, 5.3879% <sup>∞</sup>	\$ 15,042,400	\$ 32,666	\$ (32,668)	\$ 279,389,312

	Value at 12/31/22	Purchases	Sales Proceeds	Value at 12/31/23
Investment Companies - 3.3% Money Markets - 3.3%				
Janus Henderson Cash Liquidity Fund LLC, 5.3879%°	438,599,135	1,274,906,460	(1,434,116,281)	279,389,312

#### Schedule of Futures

				Value and
	Number of	Expiration	Notional	Unrealized
Description	Contracts	Date	Amount	Appreciation/(Depreciation)
Futures Long:				
10 Year US Treasury Note	697	3/28/24 \$	78,684,766	\$ 2,461,445
2 Year US Treasury Note	3,456	4/3/24	711,638,998	6,053,128
5 Year US Treasury Note	4,470	4/3/24	486,217,268	10,349,038
Ultra Long Term US Treasury Bond	180	3/28/24	24,046,875	2,039,063
US Treasury Long Bond	1,399	3/28/24	174,787,563	12,405,375
Total - Futures Long				33,308,049
Futures Short:				
Ultra 10-Year Treasury Note	1,725	3/28/24	(203,576,953)	(8,586,462)
Total				\$ 24,721,587

The following table, grouped by derivative type, provides information about the fair value and location of derivatives within the Statement of Assets and Liabilities as of December 31, 2023.

#### Fair Value of Derivative Instruments (not accounted for as hedging instruments) as of December 31, 2023

	Interest Rate
	Contracts
Asset Derivatives:	
*Futures contracts	\$33,308,049
Liability Derivatives:	
*Futures contracts	\$ 8,586,462

<sup>\*</sup>The fair value presented includes net cumulative unrealized appreciation (depreciation) on futures contracts and centrally cleared swaps. In the Statement of Assets and Liabilities, only current day's variation margin is reported in receivables or payables and the net cumulative unrealized appreciation (depreciation) is included in total distributable earnings (loss).

The following tables provides information about the effect of derivatives and hedging activities on the Portfolio's Statement of Operations for the year ended December 31, 2023.

#### The effect of Derivative Instruments (not accounted for as hedging instruments) on the Statement of Operations for the year ended December 31, 2023

	Amount of Realized Gain/(Loss)	Recognized on Derivatives	
	Credit	Interest Rate	
erivative	Contracts	Contracts	T
itures contracts	\$ -	\$(34,690,927)	\$(34,690,9

Der Futi Swap contracts (1,427,347)\$(36,118,274) Total \$(1,427,347) \$(34.690.927)

	Credit	Interest Rate	
Derivative	Contracts	Contracts	Total
Futures contracts	\$ -	\$ 26,900,260	\$ 26,900,260

Please see the "Net Realized Gain/(Loss) on Investments" and "Change in Unrealized Net Appreciation/Depreciation" sections of the Portfolio's Statement of Operations.

#### Average Ending Monthly Value of Derivative Instruments During the Year Ended December 31, 2023

Futures contracts:	
Average notional amount of contracts - long	\$1,148,551,258
Average notional amount of contracts - short	123,431,405

#### Janus Henderson VIT Balanced Portfolio

#### Notes to Schedule of Investments and Other Information

Balanced Index Balanced Index is an internally-calculated, hypothetical combination of total returns from the S&P 500® Index

(55%) and the Bloomberg U.S. Aggregate Bond Index (45%).

Bloomberg U.S. Aggregate Bond

Index

Bloomberg U.S. Aggregate Bond Index is a broad-based measure of the investment grade, US dollar-

denominated, fixed-rate taxable bond market.

S&P 500® Index S&P 500® Index reflects U.S. large-cap equity performance and represents broad U.S. equity market

performance.

**IBOR** Interbank Offered Rate LLC Limited Liability Company LP Limited Partnership

PLC Public Limited Company

Secured Overnight Financing Rate **SOFR** 

TBA (To Be Announced) Securities are purchased/sold on a forward commitment basis with an approximate

principal amount and no defined maturity date. The actual principal and maturity date will be determined upon

settlement when specific mortgage pools are assigned.

- 144A Securities sold under Rule 144A of the Securities Act of 1933, as amended, are subject to legal and/or contractual restrictions on resale and may not be publicly sold without registration under the 1933 Act. Unless otherwise noted, these securities have been determined to be liquid under guidelines established by the Board of Trustees. The total value of 144A securities as of the year ended December 31, 2023 is \$871,241,505, which represents 10.4% of net assets.
- Non-income producing security.
- # Variable or floating rate security. Rate shown is the current rate as of December 31, 2023. Certain variable rate securities are not based on a published reference rate and spread; they are determined by the issuer or agent and current market conditions. Reference rate is as of reset date and may vary by security, which may not indicate a reference rate and/or spread in their description.
- Rate shown is the 7-day yield as of December 31, 2023.
- Perpetual security. Perpetual securities have no stated maturity date, but they may be called/redeemed by the issuer. The date indicated, if μ any, represents the next call date.
- Ç Step bond. The coupon rate will increase or decrease periodically based upon a predetermined schedule. The rate shown reflects the current rate.
- £ The Portfolio may invest in certain securities that are considered affiliated companies. As defined by the Investment Company Act of 1940, as amended, an affiliated company is one in which the Portfolio owns 5% or more of the outstanding voting securities, or a company which is under common ownership or control.

#### **Janus Henderson VIT Balanced Portfolio**

#### Notes to Schedule of Investments and Other Information

The following is a summary of the inputs that were used to value the Portfolio's investments in securities and other financial instruments as of December 31, 2023. See Notes to Financial Statements for more information.

#### **Valuation Inputs Summary**

	Level 1 - Quoted Prices	Level 2 - Other Significant Observable Inputs	Level 3 - Significant Unobservable Inputs
Assets			
Investments In Securities: Asset-Backed/Commercial Mortgage-Backed Securities Corporate Bonds Mortgage-Backed Securities United States Treasury Notes/Bonds Common Stocks Investment Companies Total Investments in Securities	\$ 5,122,811,079 5,122,811,079	\$ 755,983,507 809,896,645 953,300,462 611,454,539 - 279,389,312 3,410,024,465	\$ - - - - - - - - -
Other Financial Instruments <sup>(a)</sup> : Futures Contracts Total Assets Liabilities	\$ 33,308,049 5,156,119,128	\$ 3,410,024,465	\$ -
Other Financial Instruments <sup>(a)</sup> : Futures Contracts	\$ 8,586,462	\$ -	\$ -

<sup>(</sup>a) Other financial instruments may include forward foreign currency exchange contracts, futures, written options, written swaptions, and swap contracts. Forward foreign currency exchange contracts, futures contracts, and swap contracts are reported at their unrealized appreciation/(depreciation) at measurement date, which represents the change in the contract's value from trade date. Written options and written swaptions are reported at their market value at measurement date.

## **Janus Henderson VIT Balanced Portfolio Statement of Assets and Liabilities December 31, 2023**

Assets:	Φ.	0.050.440.000
Unaffiliated investments, at value (cost \$5,856,916,739)	\$	8,253,446,232
Affiliated investments, at value (cost \$279,367,572)		279,389,312
Deposits with brokers for futures		15,750,000
Variation margin receivable on futures contracts		977,858 229,889
Trustees' deferred compensation Receivables:		229,009
Interest		00 000 040
Investments sold		20,083,240 11,682,646
Dividends		4,903,652
Portfolio shares sold		1,956,000
Dividends from affiliates		1,134,577
Other assets		83,275
Total Assets		8,589,636,681
Liabilities:		257.020
Variation margin payable on futures contracts		357,938
Payables:		100.050.420
TBA investments purchased		199,052,430
Advisory fees		3,978,025
Investments purchased		2,134,335
12b-1 Distribution and shareholder servicing fees		1,717,517
Portfolio shares repurchased		919,198
Transfer agent fees and expenses		372,261
Trustees' deferred compensation fees		229,889
Professional fees		69,952
Affiliated portfolio administration fees payable		18,082
Custodian fees		13,939
Trustees' fees and expenses		7,935
Accrued expenses and other payables		215,497
Total Liabilities	Φ.	209,086,998
Net Assets	\$	8,380,549,683
Net Assets Consist of:	Φ.	0.100.007.504
Capital (par value and paid-in surplus)	\$	6,190,087,594
Total distributable earnings (loss)	Φ.	2,190,462,089
Total Net Assets	\$	8,380,549,683
Net Assets - Institutional Shares	\$	418,783,434
Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)	Φ.	9,248,819
Net Asset Value Per Share	\$	45.28
Net Assets - Service Shares	\$	7,961,766,249
Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)		165,681,313
Net Asset Value Per Share	\$	48.05

## **Janus Henderson VIT Balanced Portfolio**

# Statement of Operations For the year ended December 31, 2023

Investment Income:	
Interest	\$ 130,261,681
Dividends	71,478,110
Dividends from affiliates	15,042,400
Other income	627,556
Foreign withholding tax income	38,438
Total Investment Income	217,448,185
Expenses:	
Advisory fees	43,281,842
12b-1 Distribution and shareholder servicing fees:	
Service Shares	18,670,672
Transfer agent administrative fees and expenses:	
Institutional Shares	200,586
Service Shares	3,734,127
Other transfer agent fees and expenses:	
Institutional Shares	6,788
Service Shares	75,007
Affiliated portfolio administration fees	252,294
Trustees' fees and expenses	179,874
Professional fees	143,145
Custodian fees	59,741
Shareholder reports expense	54,808
Registration fees	18,175
Other expenses	593,651
Total Expenses	67,270,710
Net Investment Income/(Loss)	150,177,475
Net Realized Gain/(Loss) on Investments:	
Investments	(63,746,575)
Investments in affiliates	32,666
Futures contracts	(34,690,927)
Swap contracts	(1,427,347)
Total Net Realized Gain/(Loss) on Investments	(99,832,183)
Change in Unrealized Net Appreciation/Depreciation:	
Investments and Trustees' deferred compensation	1,039,121,325
Investments in affiliates	(32,668)
Futures contracts	26,900,260
Total Change in Unrealized Net Appreciation/Depreciation	1,065,988,917
Net Increase/(Decrease) in Net Assets Resulting from Operations	\$ 1,116,334,209

## **Janus Henderson VIT Balanced Portfolio Statements of Changes in Net Assets**

	Year ended December 31, 2023	Year ended December 31, 2022
Operations:		
Net investment income/(loss)	\$ 150,177,475	\$ 85,782,140
Net realized gain/(loss) on investments	(99,832,183)	(135,258,833)
Change in unrealized net appreciation/depreciation	1,065,988,917	(1,427,082,417)
Net Increase/(Decrease) in Net Assets Resulting from Operations	1,116,334,209	(1,476,559,110)
Dividends and Distributions to Shareholders:		
Institutional Shares	(8,446,199)	(18,537,666)
Service Shares	(134,776,763)	(292,011,776)
Net Decrease from Dividends and Distributions to Shareholders	(143,222,962)	(310,549,442)
Capital Share Transactions:		
Institutional Shares	(22,543,408)	(20,058,777)
Service Shares	(44,130,567)	495,766,397
Net Increase/(Decrease) from Capital Share Transactions	(66,673,975)	475,707,620
Net Increase/(Decrease) in Net Assets	906,437,272	(1,311,400,932)
Net Assets:		
Beginning of period	7,474,112,411	8,785,513,343
End of period	\$ 8,380,549,683	\$ 7,474,112,411

# Janus Henderson VIT Balanced Portfolio Financial Highlights

#### Institutional Shares

For a share outstanding during the year ended December 31	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$40.01	\$50.23	\$43.58	\$39.48	\$33.75
Income/(Loss) from Investment Operations:					
Net investment income/(loss)(1)	0.91	0.57	0.42	0.61	0.74
Net realized and unrealized gain/(loss)	5.27	(8.87)	7.03	4.86	6.74
Total from Investment Operations	6.18	(8.30)	7.45	5.47	7.48
Less Dividends and Distributions:					
Dividends (from net investment income)	(0.91)	(0.54)	(0.43)	(0.73)	(0.72)
Distributions (from capital gains)	_	(1.38)	(0.37)	(0.64)	(1.03)
Total Dividends and Distributions	(0.91)	(1.92)	(0.80)	(1.37)	(1.75)
Net Asset Value, End of Period	\$45.28	\$40.01	\$50.23	\$43.58	\$39.48
Total Return*	15.53%	(16.50)%	17.22%	14.31%	22.59%
Net Assets, End of Period (in thousands)	\$418,783	\$391,354	\$512,742	\$464,280	\$446,026
Average Net Assets for the Period (in thousands)	\$402,180	\$427,360	\$484,461	\$430,893	\$426,775
Ratios to Average Net Assets**:					
Ratio of Gross Expenses	0.62%	0.62%	0.62%	0.62%	0.62%
Ratio of Net Expenses (After Waivers and Expense Offsets)	0.62%	0.62%	0.62%	0.62%	0.62%
Ratio of Net Investment Income/(Loss)	2.14%	1.32%	0.91%	1.54%	1.99%
Portfolio Turnover Rate <sup>(2)</sup>	97%	89%	56%	80%	79%

See Notes to Financial Statements.

<sup>\*</sup> Total return includes adjustments in accordance with generally accepted accounting principles required at the year or period end and are not annualized for periods of less than one full year. Total return does not include fees, charges, or expenses imposed by the variable annuity and life insurance contracts for which Janus Aspen Series serves as an underlying investment vehicle.

<sup>\*\*</sup> Annualized for periods of less than one full year.

<sup>(1)</sup> Per share amounts are calculated based on average shares outstanding during the year or period.

<sup>(2)</sup> Portfolio Turnover Rate excludes TBA (to be announced) purchase and sales commitments.

## **Janus Henderson VIT Balanced Portfolio Financial Highlights**

#### Service Shares

For a share outstanding during the year ended December 31	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$42.48	\$53.15	\$46.11	\$41.70	\$35.59
Income/(Loss) from Investment Operations:					
Net investment income/(loss) <sup>(1)</sup>	0.85	0.48	0.32	0.54	0.68
Net realized and unrealized gain/(loss)	5.54	(9.32)	7.42	5.15	7.11
Total from Investment Operations	6.39	(8.84)	7.74	5.69	7.79
Less Dividends and Distributions:					
Dividends (from net investment income)	(0.82)	(0.45)	(0.33)	(0.64)	(0.65)
Distributions (from capital gains)	_	(1.38)	(0.37)	(0.64)	(1.03)
Total Dividends and Distributions	(0.82)	(1.83)	(0.70)	(1.28)	(1.68)
Net Asset Value, End of Period	\$48.05	\$42.48	\$53.15	\$46.11	\$41.70
Total Return*	15.11%	(16.61)%	16.91%	14.05%	22.27%
Net Assets, End of Period (in thousands)	\$7,961,766	\$7,082,759	\$8,272,771	\$6,217,051	\$4,845,966
Average Net Assets for the Period (in thousands)	\$7,485,397	\$7,368,652	\$7,144,785	\$5,239,258	\$4,109,486
Ratios to Average Net Assets**:					
Ratio of Gross Expenses	0.87%	0.86%	0.86%	0.87%	0.87%
Ratio of Net Expenses (After Waivers and Expense Offsets)	0.87%	0.86%	0.86%	0.87%	0.87%
Ratio of Net Investment Income/(Loss)	1.89%	1.09%	0.65%	1.28%	1.74%
Portfolio Turnover Rate <sup>(2)</sup>	97%	89%	56%	80%	79%

See Notes to Financial Statements.

Total return includes adjustments in accordance with generally accepted accounting principles required at the year or period end and are not annualized for periods of less than one full year. Total return does not include fees, charges, or expenses imposed by the variable annuity and life insurance contracts for which Janus Aspen Series serves as an underlying investment vehicle.

Annualized for periods of less than one full year.

<sup>(1)</sup> Per share amounts are calculated based on average shares outstanding during the year or period.

<sup>(2)</sup> Portfolio Turnover Rate excludes TBA (to be announced) purchase and sales commitments.

#### 1. Organization and Significant Accounting Policies

Janus Henderson VIT Balanced Portfolio (the "Portfolio") is a series of Janus Aspen Series (the "Trust"), which is organized as a Delaware statutory trust and is registered under the Investment Company Act of 1940, as amended (the "1940 Act"), as an open-end management investment company, and therefore has applied the specialized accounting and reporting guidance in Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") Topic 946. The Trust offers 10 portfolios, each of which offers multiple share classes, with differing investment objectives and policies. The Portfolio seeks long-term capital growth, consistent with preservation of capital and balanced by current income. The Portfolio is classified as diversified, as defined in the 1940 Act. Janus Henderson Investors US LLC is the investment adviser (the "Adviser") to the Portfolio.

The Portfolio currently offers two classes of shares: Institutional Shares and Service Shares. Each class represents an interest in the same portfolio of investments. Institutional Shares are offered only in connection with investment in and payments under variable insurance contracts as well as certain qualified retirement plans. Service Shares are offered only in connection with investment in and payments under variable insurance contracts as well as certain qualified retirement plans that require a fee from Portfolio assets to procure distribution and administrative services to contract owners and plan participants.

Shareholders, including participating insurance companies, as well as accounts, may from time to time own (beneficially or of record) a significant percentage of the Portfolio's Shares and can be considered to "control" the Portfolio when that ownership exceeds 25% of the Portfolio's assets (and which may differ from control as determined in accordance with United States of America generally accepted accounting principles ("US GAAP")).

The following accounting policies have been followed by the Portfolio and are in conformity with US GAAP.

#### **Investment Valuation**

Portfolio holdings are valued in accordance with policies and procedures established by the Adviser pursuant to Rule 2a-5 under the 1940 Act and approved by and subject to the oversight of the Trustees (the "Valuation Procedures"). Equity securities traded on a domestic securities exchange are generally valued at readily available market quotations, which are (i) the official close prices or (ii) last sale prices on the primary market or exchange in which the securities trade. If such price is lacking for the trading period immediately preceding the time of determination, such securities are generally valued at their current bid price. Equity securities that are traded on a foreign exchange are generally valued at the closing prices on such markets. In the event that there is no current trading volume on a particular security in such foreign exchange, the bid price from the primary exchange is generally used to value the security. Foreign securities and currencies are converted to U.S. dollars using the current spot USD dollar exchange rate in effect at the close of the New York Stock Exchange ("NYSE"). The Adviser will determine the market value of individual securities held by it by using prices provided by one or more Adviser-approved professional pricing services or, as needed, by obtaining market quotations from independent broker-dealers. Most debt securities are valued in accordance with the evaluated bid price supplied by the pricing service that is intended to reflect market value. The evaluated bid price supplied by the pricing service is an evaluation that may consider factors such as security prices, yields, maturities and ratings. Certain short-term securities maturing within 60 days or less may be evaluated and valued on an amortized cost basis provided that the amortized cost determined approximates market value. Securities for which market quotations or evaluated prices are not readily available or deemed unreliable are valued at fair value determined in good faith by the Adviser pursuant to the Valuation Procedures. Circumstances in which fair valuation may be utilized include, but are not limited to: (i) a significant event that may affect the securities of a single issuer, such as a merger, bankruptcy, or significant issuer-specific development; (ii) an event that may affect an entire market, such as a natural disaster or significant governmental action; (iii) a nonsignificant event such as a market closing early or not opening, or a security trading halt; and (iv) pricing of a nonvalued security and a restricted or nonpublic security. Special valuation considerations may apply with respect to "odd-lot" fixed-income transactions which, due to their small size, may receive evaluated prices by pricing services which reflect a large block trade and not what actually could be obtained for the odd-lot position. The value of the securities of other mutual funds held by the Portfolio, if any, will be calculated using the NAV of such mutual funds, and the prospectuses for such mutual funds explain the circumstances under which they use fair valuation and the effects of using fair valuation. The value of the securities of any cash management pooled investment vehicles that operate as money market funds held by the Portfolio, if any, will be calculated using the NAV of such funds.

#### **Valuation Inputs Summary**

FASB ASC 820, Fair Value Measurements and Disclosures ("ASC 820"), defines fair value, establishes a framework for measuring fair value, and expands disclosure requirements regarding fair value measurements. This standard emphasizes that fair value is a market-based measurement that should be determined based on the assumptions that market participants would use in pricing an asset or liability and establishes a hierarchy that prioritizes inputs to valuation techniques used to measure fair value. These inputs are summarized into three broad levels:

Level 1 - Unadjusted quoted prices in active markets the Portfolio has the ability to access for identical assets or liabilities.

Level 2 - Observable inputs other than unadjusted quoted prices included in Level 1 that are observable for the asset or liability either directly or indirectly. These inputs may include quoted prices for the identical instrument on an inactive market, prices for similar instruments, interest rates, prepayment speeds, credit risk, yield curves, default rates and similar data.

Assets or liabilities categorized as Level 2 in the hierarchy generally include: debt securities fair valued in accordance with the evaluated bid or ask prices supplied by a pricing service; securities traded on OTC markets and listed securities for which no sales are reported that are fair valued at the latest bid price (or yield equivalent thereof) obtained from one or more dealers transacting in a market for such securities or by a pricing service approved by the Portfolio's Trustees; certain short-term debt securities with maturities of 60 days or less that are fair valued at amortized cost; and equity securities of foreign issuers whose fair value is determined by using systematic fair valuation models provided by independent third parties in order to adjust for stale pricing which may occur between the close of certain foreign exchanges and the close of the NYSE. Other securities that may be categorized as Level 2 in the hierarchy include, but are not limited to, preferred stocks, bank loans, swaps, investments in unregistered investment companies, options, and forward contracts.

Level 3 - Unobservable inputs for the asset or liability to the extent that relevant observable inputs are not available, representing the Portfolio's own assumptions about the assumptions that a market participant would use in valuing the asset or liability, and that would be based on the best information available.

There have been no significant changes in valuation techniques used in valuing any such positions held by the Portfolio since the beginning of the fiscal year.

The inputs or methodology used for fair valuing securities are not necessarily an indication of the risk associated with investing in those securities. The summary of inputs used as of December 31, 2023 to fair value the Portfolio's investments in securities and other financial instruments is included in the "Valuation Inputs Summary" in the Notes to Schedule of Investments and Other Information.

#### **Investment Transactions and Investment Income**

Investment transactions are accounted for as of the date purchased or sold (trade date). Dividend income is recorded on the ex-dividend date. Certain dividends from foreign securities will be recorded as soon as the Portfolio is informed of the dividend, if such information is obtained subsequent to the ex-dividend date. Dividends from foreign securities may be subject to withholding taxes in foreign jurisdictions. Non-cash dividends, if any, are recorded on the ex-dividend date at fair value. Interest income is recorded daily on the accrual basis and includes amortization of premiums and accretion of discounts. The Portfolio classifies gains and losses on prepayments received as an adjustment to interest income. Debt securities may be placed in non-accrual status and related interest income may be reduced by stopping current accruals and writing off interest receivables when collection of all or a portion of interest has become doubtful. Gains and losses are determined on the identified cost basis, which is the same basis used for federal income tax purposes. Income, as well as gains and losses, both realized and unrealized, are allocated daily to each class of shares based upon the ratio of net assets represented by each class as a percentage of total net assets.

The Portfolio bears expenses incurred specifically on its behalf. Each class of shares bears a portion of general expenses, which are allocated daily to each class of shares based upon the ratio of net assets represented by each class as a percentage of total net assets. Expenses directly attributable to a specific class of shares are charged against the operations of such class.

#### **Notes to Financial Statements**

#### **Estimates**

The preparation of financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amount of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of income and expenses during the reporting period. Actual results could differ from those estimates.

#### Indemnifications

In the normal course of business, the Portfolio may enter into contracts that contain provisions for indemnification of other parties against certain potential liabilities. The Portfolio's maximum exposure under these arrangements is unknown, and would involve future claims that may be made against the Portfolio that have not yet occurred. Currently, the risk of material loss from such claims is considered remote.

#### **Dividends and Distributions**

The Portfolio may make semiannual distributions of substantially all of its investment income and an annual distribution of its net realized capital gains (if any).

The Portfolio may make certain investments in real estate investment trusts ("REITs") which pay dividends to their shareholders based upon funds available from operations. It is quite common for these dividends to exceed the REITs' taxable earnings and profits, resulting in the excess portion of such dividends being designated as a return of capital. If the Portfolio distributes such amounts, such distributions could constitute a return of capital to shareholders for federal income tax purposes.

#### **Federal Income Taxes**

The Portfolio intends to continue to gualify as a regulated investment company and distribute all of its taxable income in accordance with the requirements of Subchapter M of the Internal Revenue Code. Management has analyzed the Portfolio's tax positions taken for all open federal income tax years, generally a three-year period, and has concluded that no provision for federal income tax is required in the Portfolio's financial statements. The Portfolio is not aware of any tax positions for which it is reasonably possible that the total amounts of unrecognized tax benefits will significantly change in the next twelve months.

#### 2. Derivative Instruments

The Portfolio may invest in various types of derivatives, which may at times result in significant derivative exposure. A derivative is a financial instrument whose performance is derived from the performance of another asset. The Portfolio may invest in derivative instruments including, but not limited to: futures contracts, put options, call options, options on futures contracts, options on foreign currencies, options on recovery locks, options on security and commodity indices, swaps, forward contracts, structured investments, and other equity-linked derivatives. Each derivative instrument that was held by the Portfolio during the year ended December 31, 2023 is discussed in further detail below. A summary of derivative activity by the Portfolio is reflected in the tables at the end of this section.

The Portfolio may use derivative instruments for hedging purposes (to offset risks associated with an investment, currency exposure, or market conditions), to adjust currency exposure relative to a benchmark index, or for speculative purposes (to earn income and seek to enhance returns). When the Portfolio invests in a derivative for speculative purposes, the Portfolio will be fully exposed to the risks of loss of that derivative, which may sometimes be greater than the derivative's cost. The Portfolio may not use any derivative to gain exposure to an asset or class of assets that it would be prohibited by its investment restrictions from purchasing directly. The Portfolio's ability to use derivative instruments may also be limited by tax considerations.

Investments in derivatives in general are subject to market risks that may cause their prices to fluctuate over time. Investments in derivatives may not directly correlate with the price movements of the underlying instrument. As a result, the use of derivatives may expose the Portfolio to additional risks that it would not be subject to if it invested directly in the securities underlying those derivatives. The use of derivatives may result in larger losses or smaller gains than otherwise would be the case. Derivatives can be volatile and may involve significant risks.

In pursuit of its investment objective, the Portfolio may seek to use derivatives to increase or decrease exposure to the following market risk factors:

• Commodity Risk - the risk related to the change in value of commodities or commodity-linked investments due to changes in the overall market movements, volatility of the underlying benchmark, changes in interest rates, or

#### **Notes to Financial Statements**

other factors affecting a particular industry or commodity such as drought, floods, weather, livestock disease, embargoes, tariffs, and international economic, political, and regulatory developments.

- Counterparty Risk the risk that the counterparty (the party on the other side of the transaction) on a derivative transaction will be unable to honor its financial obligation to the Portfolio.
- Credit Risk the risk an issuer will be unable to make principal and interest payments when due, or will default on its obligations.
- Currency Risk the risk that changes in the exchange rate between currencies will adversely affect the value (in U.S. dollar terms) of an investment.
- Equity Risk the risk related to the change in value of equity securities as they relate to increases or decreases in the general market.
- Index Risk if the derivative is linked to the performance of an index, it will be subject to the risks associated with changes in that index. If the index changes, the Portfolio could receive lower interest payments or experience a reduction in the value of the derivative to below what the Portfolio paid. Certain indexed securities, including inverse securities (which move in an opposite direction to the index), may create leverage, to the extent that they increase or decrease in value at a rate that is a multiple of the changes in the applicable index.
- Interest Rate Risk the risk that the value of fixed-income securities will generally decline as prevailing interest rates rise, which may cause the Portfolio's NAV to likewise decrease.
- Leverage Risk the risk associated with certain types of leveraged investments or trading strategies pursuant to which relatively small market movements may result in large changes in the value of an investment. The Portfolio creates leverage by investing in instruments, including derivatives, where the investment loss can exceed the original amount invested. Certain investments or trading strategies, such as short sales, that involve leverage can result in losses that greatly exceed the amount originally invested.
- Liquidity Risk the risk that certain securities may be difficult or impossible to sell at the time that the seller would like or at the price that the seller believes the security is currently worth.

Derivatives may generally be traded OTC or on an exchange. Derivatives traded OTC are agreements that are individually negotiated between parties and can be tailored to meet a purchaser's needs. OTC derivatives are not guaranteed by a clearing agency and may be subject to increased credit risk.

In an effort to mitigate credit risk associated with derivatives traded OTC, the Portfolio may enter into collateral agreements with certain counterparties whereby, subject to certain minimum exposure requirements, the Portfolio may require the counterparty to post collateral if the Portfolio has a net aggregate unrealized gain on all OTC derivative contracts with a particular counterparty. Additionally, the Portfolio may deposit cash and/or treasuries as collateral with the counterparty and/or custodian daily (based on the daily valuation of the financial asset) if the Portfolio has a net aggregate unrealized loss on OTC derivative contracts with a particular counterparty. All liquid securities and restricted cash are considered to cover in an amount at all times equal to or greater than the Portfolio's commitment with respect to certain exchange-traded derivatives, centrally cleared derivatives, forward foreign currency exchange contracts, short sales, and/or securities with extended settlement dates. There is no guarantee that counterparty exposure is reduced and these arrangements are dependent on the Adviser's ability to establish and maintain appropriate systems and trading.

#### **Futures Contracts**

A futures contract is an exchange-traded agreement to take or make delivery of an underlying asset at a specific time in the future for a specific predetermined negotiated price. The Portfolio may enter into futures contracts to gain exposure to the stock market or other markets pending investment of cash balances or to meet liquidity needs. The Portfolio is subject to interest rate risk, equity risk, and currency risk in the normal course of pursuing its investment objective through its investments in futures contracts. The Portfolio may also use such derivative instruments to hedge or protect from adverse movements in securities prices, currency rates or interest rates. The use of futures contracts may involve risks such as the possibility of illiquid markets or imperfect correlation between the values of the contracts and the underlying securities, or that the counterparty will fail to perform its obligations.

Futures contracts are valued at the settlement price on valuation date on the exchange as reported by an approved vendor. Mini contracts, as defined in the description of the contract, shall be valued using the Actual Settlement Price or "ASET" price type as reported by an approved vendor. In the event that foreign futures trade when the foreign equity markets are closed, the last foreign futures trade price shall be used.

Futures contracts are marked-to-market daily, and the daily variation margin is recorded as a receivable or payable on the Statement of Assets and Liabilities (if applicable). The change in unrealized net appreciation/depreciation is reported on the Statement of Operations (if applicable). When a contract is closed, a realized gain or loss is reported on the Statement of Operations (if applicable), equal to the difference between the opening and closing value of the contract.

Securities held by the Portfolio that are designated as collateral for market value on futures contracts are noted on the Schedule of Investments (if applicable). Such collateral is in the possession of the Portfolio's futures commission merchant.

With futures, there is minimal counterparty credit risk to the Portfolio since futures are exchange-traded and the exchange's clearinghouse, as counterparty to all exchange-traded futures, guarantees the futures against default.

During the year, the Portfolio purchased interest rate futures to increase exposure to interest rate risk.

During the year, the Portfolio sold interest rate futures to decrease exposure to interest rate risk.

#### Swaps

Swap agreements are two-party contracts entered into primarily by institutional investors for periods ranging from a day to more than one year to exchange one set of cash flows for another. The most significant factor in the performance of swap agreements is the change in value of the specific index, security, or currency, or other factors that determine the amounts of payments due to and from the Portfolio. The use of swaps is a highly specialized activity which involves investment techniques and risks different from those associated with ordinary portfolio securities transactions. Swap transactions may in some instances involve the delivery of securities or other underlying assets by the Portfolio or its counterparty to collateralize obligations under the swap. If the other party to a swap that is not collateralized defaults, the Portfolio would risk the loss of the net amount of the payments that it contractually is entitled to receive. Swap agreements entail the risk that a party will default on its payment obligations to the Portfolio. If the other party to a swap defaults, the Portfolio would risk the loss of the net amount of the payments that it contractually is entitled to receive. If the Portfolio utilizes a swap at the wrong time or judges market conditions incorrectly, the swap may result in a loss to the Portfolio and reduce the Portfolio's total return.

Swap agreements also bear the risk that the Portfolio will not be able to meet its obligation to the counterparty. Swap agreements are typically privately negotiated and entered into in the OTC market. However, certain swap agreements are required to be cleared through a clearinghouse and traded on an exchange or swap execution facility. Swaps that are required to be cleared are required to post initial and variation margins in accordance with the exchange requirements. Regulations enacted require the Portfolio to centrally clear certain interest rate and credit default index swaps through a clearinghouse or central counterparty ("CCP"). To clear a swap with a CCP, the Portfolio will submit the swap to, and post collateral with, a futures clearing merchant ("FCM") that is a clearinghouse member. Alternatively, the Portfolio may enter into a swap with a financial institution other than the FCM (the "Executing Dealer") and arrange for the swap to be transferred to the FCM for clearing. The Portfolio may also enter into a swap with the FCM itself. The CCP, the FCM, and the Executing Dealer are all subject to regulatory oversight by the U.S. Commodity Futures Trading Commission ("CFTC"). A default or failure by a CCP or an FCM, or the failure of a swap to be transferred from an Executing Dealer to the FCM for clearing, may expose the Portfolio to losses, increase its costs, or prevent the Portfolio from entering or exiting swap positions, accessing collateral, or fully implementing its investment strategies. The regulatory requirement to clear certain swaps could, either temporarily or permanently, reduce the liquidity of cleared swaps or increase the costs of entering into those swaps.

Index swaps, interest rate swaps, inflation swaps and credit default swaps are valued using an approved vendor supplied price. Basket swaps are valued using a broker supplied price. Equity swaps that consist of a single underlying equity are valued either at the closing price, the latest bid price, or the last sale price on the primary market or exchange it trades. The market value of swap contracts are aggregated by positive and negative values and are disclosed separately as an asset or liability on the Portfolio's Statement of Assets and Liabilities (if applicable). Realized gains and

losses are reported on the Portfolio's Statement of Operations (if applicable). The change in unrealized net appreciation or depreciation during the year is included in the Statement of Operations (if applicable).

The Portfolio's maximum risk of loss from counterparty risk or credit risk is the discounted value of the payments to be received from/paid to the counterparty over the contract's remaining life, to the extent that the amount is positive. The risk is mitigated by having a netting arrangement between the Portfolio and the counterparty and by the posting of collateral by the counterparty to cover the Portfolio's exposure to the counterparty.

The Portfolio may enter into various types of credit default swap agreements, including OTC credit default swap agreements, for investment purposes, to add leverage to its Portfolio, or to hedge against widening credit spreads on high-yield/high-risk bonds. Credit default swaps are a specific kind of counterparty agreement that allow the transfer of third party credit risk from one party to the other. One party in the swap is a lender and faces credit risk from a third party, and the counterparty in the credit default swap agrees to insure this risk in exchange for regular periodic payments. Credit default swaps could result in losses if the Portfolio does not correctly evaluate the creditworthiness of the company or companies on which the credit default swap is based. Credit default swap agreements may involve greater risks than if the Portfolio had invested in the reference obligation directly since, in addition to risks relating to the reference obligation, credit default swaps are subject to illiquidity risk, counterparty risk, and credit risk. The Portfolio will generally incur a greater degree of risk when it sells a credit default swap than when it purchases a credit default swap. As a buyer of a credit default swap, the Portfolio may lose its investment and recover nothing should no credit event occur and the swap is held to its termination date. As seller of a credit default swap, if a credit event were to occur, the value of any deliverable obligation received by the Portfolio, coupled with the upfront or periodic payments previously received, may be less than what it pays to the buyer, resulting in a loss of value to the Portfolio.

As a buyer of credit protection, the Portfolio is entitled to receive the par (or other agreed-upon) value of a referenced debt obligation from the counterparty to the contract in the event of a default or other credit event by a third party, such as a U.S. or foreign issuer, on the debt obligation. In return, the Portfolio as buyer would pay to the counterparty a periodic stream of payments over the term of the contract provided that no credit event has occurred. If no credit event occurs, the Portfolio would have spent the stream of payments and potentially received no benefit from the contract.

If the Portfolio is the seller of credit protection against a particular security, the Portfolio would receive an up-front or periodic payment to compensate against potential credit events. As the seller in a credit default swap contract, the Portfolio would be required to pay the par value (the "notional value") (or other agreed-upon value) of a referenced debt obligation to the counterparty in the event of a default by a third party, such as a U.S. or foreign corporate issuer, on the debt obligation. In return, the Portfolio would receive from the counterparty a periodic stream of payments over the term of the contract provided that no event of default has occurred. If no default occurs, the Portfolio would keep the stream of payments and would have no payment obligations. As the seller, the Portfolio would effectively add leverage to its portfolio because, in addition to its total net assets, the Portfolio would be subject to investment exposure on the notional value of the swap. The maximum potential amount of future payments (undiscounted) that the Portfolio as a seller could be required to make in a credit default transaction would be the notional amount of the agreement.

The Portfolio may invest in CDXs. A CDX is a swap on an index of credit default swaps. CDXs allow an investor to manage credit risk or take a position on a basket of credit entities (such as credit default swaps or commercial mortgage-backed securities) in a more efficient manner than transacting in a single-name CDS. If a credit event occurs in one of the underlying companies, the protection is paid out via the delivery of the defaulted bond by the buyer of protection in return for a payment of notional value of the defaulted bond by the seller of protection or it may be settled through a cash settlement between the two parties. The underlying company is then removed from the index. If the Portfolio holds a long position in a CDX, the Portfolio would indirectly bear its proportionate share of any expenses paid by a CDX. A Portfolio holding a long position in CDXs typically receives income from principal or interest paid on the underlying securities. By investing in CDXs, the Portfolio could be exposed to illiquidity risk, counterparty risk, and credit risk of the issuers of the underlying loan obligations and of the CDX markets. If there is a default by the CDX counterparty, the Portfolio will have contractual remedies pursuant to the agreements related to the transaction. CDXs also bear the risk that the Portfolio will not be able to meet its obligation to the counterparty.

During the year, the Portfolio purchased protection via the credit default swap market in order to reduce credit risk exposure to individual corporates, countries and/or credit indices where reducing this exposure via the cash bond market was less attractive.

There were no credit default swaps held at December 31, 2023.

#### 3. Other Investments and Strategies

#### Market Risk

The Portfolio may be invested in lower-rated debt securities that have a higher risk of default or loss of value since these securities may be sensitive to economic changes, political changes, or adverse developments specific to the issuer

The value of the Portfolio's portfolio may decrease if the value of one or more issuers in the Portfolio's portfolio decreases. Further, regardless of how well individual companies or securities perform, the value of the Portfolio's portfolio could also decrease if there are deteriorating economic or market conditions, including, but not limited to, a general decline in prices on the stock markets, a general decline in real estate markets, a decline in commodities prices, or if the market favors different types of securities than the types of securities in which the Portfolio invests. If the value of the Portfolio's portfolio decreases, the Portfolio's NAV will also decrease, which means if you sell your shares in the Portfolio you may lose money. Market risk may affect a single issuer, industry, economic sector, or the market as a whole. The increasing interconnectivity between global economies and financial markets increases the likelihood that events or conditions in one region or financial market may adversely impact issuers in a different country, region or financial market. Social, political, economic and other conditions and events, such as natural disasters, health emergencies (e.g., epidemics and pandemics), terrorism, war, conflicts, including related sanctions, social unrest, financial institution failures, and economic recessions could reduce consumer demand or economic output, result in market closures, travel restrictions and/or quarantines, and generally have a significant impact on the global economies and financial markets.

- COVID-19 Pandemic. The effects of COVID-19 have contributed to increased volatility in global financial markets and have affected and may continue to affect certain countries, regions, issuers, industries and market sectors more dramatically than others. These conditions and events could have a significant impact on the Portfolio and its investments, the Portfolio's ability to meet redemption requests, and the processes and operations of the Portfolio's service providers, including the Adviser.
- Armed Conflict. Recent such examples include conflict, loss of life, and disaster connected to ongoing armed conflict between Russia and Ukraine in Europe and Hamas and Israel in the Middle East. The extent and duration of each conflict, resulting sanctions and resulting future market disruptions in each region are impossible to predict, but could be significant and have a severe adverse effect, including significant negative impacts on the U.S. and broader global economic environment and the markets for certain securities and commodities.

#### Mortgage- and Asset-Backed Securities

Mortgage- and asset-backed securities represent interests in "pools" of commercial or residential mortgages or other assets, including consumer and commercial loans or receivables. The Portfolio may purchase fixed or variable rate commercial or residential mortgage-backed securities issued by the Government National Mortgage Association ("Ginnie Mae"), the Federal Home Loan Mortgage Corporation ("Freddie Mac"), or other governmental or government-related entities. Ginnie Mae's guarantees are backed as to the timely payment of principal and interest by the full faith and credit of the U.S. Government. Fannie Mae and Freddie Mac securities are not backed by the full faith and credit of the U.S. Government. In September 2008, the Federal Housing Finance Agency ("FHFA"), an agency of the U.S. Government, placed Fannie Mae and Freddie Mac under conservatorship. Since that time, Fannie Mae and Freddie Mac have received capital support through U.S. Treasury preferred stock purchases and Treasury and Federal Reserve purchases of their mortgage-backed securities. The FHFA and the U.S. Treasury have imposed strict limits on the size of these entities' mortgage portfolios. The FHFA has the power to cancel any contract entered into by Fannie Mae and Freddie Mac prior to FHFA's appointment as conservator or receiver, including the guarantee obligations of Fannie Mae and Freddie Mac.

The Portfolio may also purchase other mortgage- and asset-backed securities through single- and multi-seller conduits, collateralized debt obligations, structured investment vehicles, and other similar securities. Asset-backed securities may be backed by various consumer obligations, including automobile loans, equipment leases, credit card receivables, or other collateral. In the event the underlying loans are not paid, the securities' issuer could be forced to sell the assets and recognize losses on such assets, which could impact your return. Unlike traditional debt instruments, payments on these securities include both interest and a partial payment of principal. Mortgage- and asset-backed securities are subject to both extension risk, where borrowers pay off their debt obligations more slowly in times of rising interest

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rates, and prepayment risk, where borrowers pay off their debt obligations sooner than expected in times of declining interest rates. These risks may reduce the Portfolio's returns. In addition, investments in mortgage- and asset-backed securities, including those comprised of subprime mortgages, may be subject to a higher degree of credit risk, valuation risk, extension risk (if interest rates rise), and liquidity risk than various other types of fixed-income securities. Additionally, although mortgage-backed securities are generally supported by some form of government or private guarantee and/or insurance, there is no assurance that guarantors or insurers will meet their obligations.

#### Sovereign Debt

The Portfolio may invest in U.S. and non-U.S. government debt securities ("sovereign debt"). Some investments in sovereign debt, such as U.S. sovereign debt, are considered low risk. However, investments in sovereign debt, especially the debt of less developed countries, can involve a high degree of risk, including the risk that the governmental entity that controls the repayment of sovereign debt may not be willing or able to repay the principal and/or to pay the interest on its sovereign debt in a timely manner. A sovereign debtor's willingness or ability to satisfy its debt obligation may be affected by various factors including, but not limited to, its cash flow situation, the extent of its foreign currency reserves, the availability of foreign exchange when a payment is due, the relative size of its debt position in relation to its economy as a whole, the sovereign debtor's policy toward international lenders, and local political constraints to which the governmental entity may be subject. Sovereign debtors may also be dependent on expected disbursements from foreign governments, multilateral agencies, and other entities. The failure of a sovereign debtor to implement economic reforms, achieve specified levels of economic performance, or repay principal or interest when due may result in the cancellation of third party commitments to lend funds to the sovereign debtor, which may further impair such debtor's ability or willingness to timely service its debts. The Portfolio may be requested to participate in the rescheduling of such sovereign debt and to extend further loans to governmental entities, which may adversely affect the Portfolio's holdings. In the event of default, there may be limited or no legal remedies for collecting sovereign debt and there may be no bankruptcy proceedings through which the Portfolio may collect all or part of the sovereign debt that a governmental entity has not repaid. In addition, to the extent the Portfolio invests in non-U.S. sovereign debt, it may be subject to currency risk.

#### **TBA Commitments**

The Portfolio may enter into "to be announced" or "TBA" commitments. TBAs are forward agreements for the purchase or sale of securities, including mortgage-backed securities, for a fixed price, with payment and delivery on an agreed upon future settlement date. The specific securities to be delivered are not identified at the trade date. However, delivered securities must meet specified terms, including issuer, rate, and mortgage terms. Although TBA securities must meet industry-accepted "good delivery" standards, there can be no assurance that a security purchased on forward commitment basis will ultimately be issued or delivered by the counterparty. During the settlement period, the Portfolio will still bear the risk of any decline in the value of the security to be delivered. Because TBA commitments do not require the delivery of a specific security, the characteristics of the security delivered to the Portfolio may be less favorable than expected. If the counterparty to a transaction fails to deliver the security, the Portfolio could suffer a loss. Cash collateral that has been pledged to cover the obligations of a Portfolio and cash collateral received from the counterparty, if any, is reported separately in the Statement of Assets and Liabilities as Collateral for To Be Announced Transactions.

#### When-Issued, Delayed Delivery and Forward Commitment Transactions

The Portfolio may purchase or sell securities on a when-issued, delayed delivery, or forward commitment basis. When purchasing a security on a when-issued, delayed delivery, or forward commitment basis, the Portfolio assumes the rights and risks of ownership of the security, including the risk of price and yield fluctuations, and takes such fluctuations into account when determining its net asset value. Typically, no income accrues on securities the Portfolio has committed to purchase prior to the time delivery of the securities is made. Because the Portfolio is not required to pay for the security until the delivery date, these risks are in addition to the risks associated with the Portfolio's other investments. If the other party to a transaction fails to deliver the securities, the Portfolio could miss a favorable price or yield opportunity. If the Portfolio remains substantially fully invested at a time when when-issued, delayed delivery, or forward commitment purchases are outstanding, the purchases may result in a form of leverage. If the Portfolio remains substantially fully invested at a time when when-issued, delayed delivery, or forward commitment purchases (including TBA commitments) are outstanding, the purchases may result in a form of leverage.

When the Portfolio has sold a security on a when-issued, delayed delivery, or forward commitment basis, the Portfolio does not participate in future gains or losses with respect to the security. If the other party to a transaction fails to pay

for the securities, the Portfolio could suffer a loss. Additionally, when selling a security on a when-issued, delayed delivery, or forward commitment basis without owning the security, the Portfolio will incur a loss if the security's price appreciates in value such that the security's price is above the agreed upon price on the settlement date. The Portfolio may dispose of or renegotiate a transaction after it is entered into, and may purchase or sell when-issued, delayed delivery or forward commitment securities before the settlement date, which may result in a gain or loss.

#### 4. Investment Advisory Agreements and Other Transactions with Affiliates

The Portfolio pays the Adviser an investment advisory fee which is calculated daily and paid monthly. The Portfolio's contractual investment advisory fee rate (expressed as an annual rate) is 0.55% of its average daily net assets.

The Adviser serves as administrator to the Portfolio pursuant to an administration agreement between the Adviser and the Trust. Under the administration agreement, the Adviser is authorized to perform, or cause others to perform certain administration, compliance, and accounting services to the Portfolio, including providing office space for the Portfolio, and is reimbursed by the Portfolio for certain of its costs in providing these services (to the extent the Adviser seeks reimbursement and such costs are not otherwise waived). In addition, employees of the Adviser and/or its affiliates may serve as officers of the Trust. The Portfolio pays for some or all of the salaries, fees, and expenses of the Adviser employees and Portfolio officers, with respect to certain specified administration functions they perform on behalf of the Portfolio. The Portfolio pays these costs based on out-of-pocket expenses incurred by the Adviser, and these costs are separate and apart from advisory fees and other expenses paid in connection with the investment advisory services the Adviser (or any subadvisor, as applicable) provides to the Portfolio. These amounts are disclosed as "Affiliated portfolio administration fees" on the Statement of Operations. In addition, some expenses related to compensation payable to the Portfolio's Chief Compliance Officer and certain compliance staff, all of whom are employees of the Adviser and/or its affiliates, are shared with the Portfolio. Total compensation of \$31,482 was paid to the Chief Compliance Officer and certain compliance staff by the Trust during the year ended December 31, 2023. The Portfolio's portion is reported as part of "Other expenses" on the Statement of Operations.

Janus Henderson Services US LLC (the "Transfer Agent"), a wholly-owned subsidiary of the Adviser, is the Portfolio's transfer agent. The Transfer Agent receives an administrative services fee at an annual rate of 0.05% of the average daily net assets of the Portfolio for arranging for the provision by participating insurance companies and qualified plan service providers of administrative services, including, but not limited to, recordkeeping, subaccounting, answering inquiries regarding accounts, order processing, transaction confirmations, the mailing of prospectuses and shareholder reports, and other shareholder services provided on behalf of contract holders or plan participants investing in the Portfolio. The Transfer Agent expects to use this entire fee to compensate insurance companies and qualified plan service providers for providing these services to their customers who invest in the Portfolio.

The Transfer Agent is not compensated for internal services related to the shares, except for out-of-pocket costs. These amounts are disclosed as "Other transfer agent fees and expenses" on the Statement of Operations.

Under a distribution and shareholder servicing plan (the "Plan") adopted in accordance with Rule 12b-1 under the 1940 Act, the Service Shares may pay the Trust's distributor, Janus Henderson Distributors US LLC (the "Distributor"), a wholly-owned subsidiary of the Adviser, a fee for the sale and distribution and/or shareholder servicing of the Service Shares at an annual rate of up to 0.25% of the average daily net assets of the Service Shares. Under the terms of the Plan, the Trust is authorized to make payments to the Distributor for remittance to insurance companies and qualified plan service providers as compensation for distribution and/or shareholder services performed by such entities. These amounts are disclosed as "12b-1 Distribution and shareholder servicing fees" on the Statement of Operations.

The Board of Trustees has adopted a deferred compensation plan (the "Deferred Plan") for independent Trustees to elect to defer receipt of all or a portion of the annual compensation they are entitled to receive from the Portfolio. All deferred fees are credited to an account established in the name of the Trustees. The amounts credited to the account then increase or decrease, as the case may be, in accordance with the performance of one or more of the Janus Henderson funds that are selected by the Trustees. The account balance continues to fluctuate in accordance with the performance of the selected fund or funds until final payment of all amounts are credited to the account. The fluctuation of the account balance is recorded by the Portfolio as unrealized appreciation/(depreciation) and is included as of December 31, 2023 on the Statement of Assets and Liabilities in the asset, "Trustees' deferred compensation," and liability, "Trustees' deferred compensation fees." Additionally, the recorded unrealized appreciation/(depreciation) is included in "Total distributable earnings (loss)" on the Statement of Assets and Liabilities. Deferred compensation expenses for the year ended December 31, 2023 are included in "Trustees' fees and expenses" on the Statement of

#### **Notes to Financial Statements**

Operations. Trustees are allowed to change their designation of mutual funds from time to time. Amounts will be deferred until distributed in accordance with the Deferred Plan. Deferred fees of \$416,000 were paid by the Trust to the Trustees under the Deferred Plan during the year ended December 31, 2023.

Pursuant to the provisions of the 1940 Act and related rules, the Portfolio may participate in an affiliated or nonaffiliated cash sweep program. In the cash sweep program, uninvested cash balances of the Portfolio may be used to purchase shares of affiliated or non-affiliated money market funds or cash management pooled investment vehicles that operate as money market funds. The Portfolio is eligible to participate in the cash sweep program (the "Investing Funds"). The Adviser has an inherent conflict of interest because of its fiduciary duties to the affiliated money market funds or cash management pooled investment vehicles and the Investing Funds. Janus Henderson Cash Liquidity Fund LLC (the "Sweep Vehicle") is an affiliated unregistered cash management pooled investment vehicle that invests primarily in highly-rated short-term fixed-income securities. The Sweep Vehicle operates pursuant to the provisions of the 1940 Act that govern the operation of money market funds and prices its shares at NAV reflecting market-based values of its portfolio securities (i.e., a "floating" NAV) rounded to the fourth decimal place (e.g., \$1.0000). The Sweep Vehicle is permitted to impose a liquidity fee (of up to 2%) on redemptions from the Sweep Vehicle or a redemption gate that temporarily suspends redemptions from the Sweep Vehicle for up to 10 business days during a 90 day period. There are no restrictions on the Portfolio's ability to withdraw investments from the Sweep Vehicle at will, and there are no unfunded capital commitments due from the Portfolio to the Sweep Vehicle. The Sweep Vehicle does not charge any management fee, sales charge or service fee.

Any purchases and sales, realized gains/losses and recorded dividends from affiliated investments during the year ended December 31, 2023 can be found in the "Schedules of Affiliated Investments" located in the Schedule of Investments.

#### 5. Federal Income Tax

The tax components of capital shown in the table below represent: (1) distribution requirements the Portfolio must satisfy under the income tax regulations; (2) losses or deductions the Portfolio may be able to offset against income and gains realized in future years; and (3) unrealized appreciation or depreciation of investments for federal income tax purposes.

Other book to tax differences primarily consist of deferred compensation and derivatives. The Portfolio has elected to treat gains and losses on forward foreign currency contracts as capital gains and losses, if applicable. Other foreign currency gains and losses on debt instruments are treated as ordinary income for federal income tax purposes pursuant to Section 988 of the Internal Revenue Code.

								Other Book	(	Net Tax
Undistr	ributed	Undis	tributed	Accumula	ted			to Tax	A	ppreciation/
Ordinary Ir	ncome	Long-Tern	n Gains	Capital Los	ses	Loss De	ferrals	Differences	s (D	epreciation)
\$ 25,698,	161	\$	_	\$(219,001,84	40)	\$	-	\$ (225,768)	\$2,3	83,991,536

Accumulated capital losses noted below represent net capital loss carryovers, as of December 31, 2023, that may be available to offset future realized capital gains and thereby reduce future taxable gains distributions. The following table shows these capital loss carryovers.

Cap	oital Loss Carryover S	Schedu	ıle	
For	the year ended Dece	ember (	31, 202	23
	No Expirat	ion		
				Accumulated
	Short-Term	Long	-Term	Capital Losses
	\$(219,001,840)	\$	_	\$ (219,001,840)

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The aggregate cost of investments and the composition of unrealized appreciation and depreciation of investment securities for federal income tax purposes as of December 31, 2023 are noted below. The primary difference between book and tax appreciation or depreciation of investments are wash sale loss deferrals and investments in partnerships.

	Unrealized	Unrealized	Net Tax Appreciation/
Federal Tax Cost	Appreciation	(Depreciation)	(Depreciation)
\$ 6,148,844,008	\$2,474,627,612	\$(90,636,076)	\$ 2,383,991,536

Information on the tax components of derivatives as of December 31, 2023 is as follows:

	Unrealized	Unrealized	Net Tax Appreciation/
Federal Tax Cost	Appreciation	(Depreciation)	(Depreciation)
\$ 24,721,587	\$ -	\$ -	\$ -

Tax cost of investments and unrealized appreciation/(depreciation) may also include timing differences that do not constitute adjustments to tax basis.

Income and capital gains distributions are determined in accordance with income tax regulations that may differ from US GAAP. These differences are due to differing treatments for items such as net short-term gains, deferral of wash sale losses, foreign currency transactions, and capital loss carryovers. Certain permanent differences such as tax returns of capital and net investment losses noted below have been reclassified to capital.

For the year ended December 31, 2023

	Distributions						
Fro	From Ordinary Income From Long-		n Long-Term Capital Gains	Tax Retu	rn of Capital	Net Investmen	nt Loss
\$	143,222,962	\$	-	\$	-	\$	-
For the							
			Distributions				
Fro	m Ordinary Income	Fron	n Long-Term Capital Gains	Tax Retu	rn of Capital	Net Investmen	nt Loss
\$	89,643,194	\$	220,906,248	\$	-	\$	_

Permanent book to tax basis differences may result in reclassifications between the components of net assets. These differences have no impact on the results of operations or net assets.

#### 6. Capital Share Transactions

	Year ended	December 31, 2023	Year ended	December 31, 2022
	Shares	Amount	Shares	Amount
Institutional Shares:				
Shares sold	562,948	\$ 23,996,875	668,408	\$ 28,696,770
Reinvested dividends and distributions	192,712	8,446,199	464,031	18,537,666
Shares repurchased	(1,288,375)	(54,986,482)	(1,558,817)	(67,293,213)
Net Increase/(Decrease)	(532,715)	\$ (22,543,408)	(426,378)	\$ (20,058,777)
Service Shares:				
Shares sold	6,728,027	\$303,583,268	12,784,501	\$592,847,704
Reinvested dividends and distributions	2,896,657	134,776,763	6,894,741	292,011,776
Shares repurchased	(10,686,923)	(482,490,598)	(8,576,547)	(389,093,083)
Net Increase/(Decrease)	(1,062,239)	\$ (44,130,567)	11,102,695	\$495,766,397

#### 7. Purchases and Sales of Investment Securities

For the year ended December 31, 2023, the aggregate cost of purchases and proceeds from sales of investment securities (excluding any short-term securities, short-term options contracts, TBAs, and in-kind transactions, as applicable) was as follows:

			Purchases of Long-	F	Proceeds from Sales
Purchases of	Proceeds from Sales	Teri	m U.S. Government		of Long-Term U.S.
Securities	of Securities		Obligations	Gove	ernment Obligations
\$2,883,175,163	\$2,418,403,873	\$	4,486,409,796	\$	4,906,010,550

#### 8. Subsequent Event

Management has evaluated whether any events or transactions occurred subsequent to December 31, 2023 and through the date of issuance of the Portfolio's financial statements and determined that there were no material events or transactions that would require recognition or disclosure in the Portfolio's financial statements.

## Janus Henderson VIT Balanced Portfolio Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Janus Aspen Series and Shareholders of Janus Henderson VIT Balanced Portfolio

#### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Janus Henderson VIT Balanced Portfolio (one of the portfolios constituting Janus Aspen Series, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statements of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

#### **Basis for Opinion**

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent, and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

Pricewaterhouse Coopers LLP

Denver, Colorado February 15, 2024

We have served as the auditor of one or more investment companies in Janus Henderson Funds since 1990.

#### Additional Information (unaudited)

#### **Proxy Voting Policies and Voting Record**

A description of the policies and procedures that the Portfolio uses to determine how to vote proxies relating to its portfolio securities is available without charge: (i) upon request, by calling 1-800-525-1093; (ii) on the Portfolio's website at janushenderson.com/proxyvoting; and (iii) on the SEC's website at http://www.sec.gov. Additionally, information regarding the Portfolio's proxy voting record for the most recent twelve-month period ended June 30 is also available, free of charge, through janushenderson.com/proxyvoting and from the SEC's website at http://www.sec.gov.

#### **Full Holdings**

The Portfolio files its complete portfolio holdings (schedule of investments) with the SEC as an exhibit to Form N-PORT within 60 days of the end of the first and third fiscal quarters, and in the annual report and semiannual report to shareholders. The Portfolio's Form N-PORT filings and annual and semiannual reports: (i) are available on the SEC's website at http://www.sec.gov; and (ii) are available without charge, upon request, by calling a Janus Henderson representative at 1-877-335-2687 (toll free). Portfolio holdings consisting of at least the names of the holdings are generally available on a monthly basis with a 30-day lag under Full Holdings for the Portfolio at janushenderson.com/vit.

#### APPROVAL OF ADVISORY AGREEMENTS DURING THE PERIOD

The Trustees of Janus Aspen Series and Janus Investment Fund, each of whom serves as an "independent" Trustee (collectively, the "Trustees"), oversee the management of each portfolio of Janus Aspen Series (each, a "VIT Portfolio," and collectively, the "VIT Portfolios"), as well as each fund of Janus Investment Fund (each, a "Fund," and collectively, the "Funds" and together with the VIT Portfolios, the "Janus Henderson Funds," and each, a "Janus Henderson Fund"). As required by law, the Trustees determine annually whether to continue the investment advisory agreement for each Janus Henderson Fund.

In connection with their most recent consideration of those agreements for each Janus Henderson Fund, the Trustees received and reviewed information provided by Janus Henderson Investors US LLC (the "Adviser") in response to requests of the Trustees and their independent legal counsel. They also received and reviewed information and analysis provided by, and in response to requests of, their independent fee consultant. Throughout their consideration of the agreements, the Trustees were advised by their independent legal counsel. The Trustees met with management to consider the agreements, and also met separately in executive session with their independent legal counsel and their independent fee consultant.

At meetings held on November 3, 2023 and December 14-15, 2023, the Trustees evaluated the information provided by the Adviser and the independent fee consultant, as well as other information provided by the Adviser and the independent fee consultant during the year. Following such evaluation, the Trustees determined that the overall arrangements between each Janus Henderson Fund and the Adviser were fair and reasonable in light of the nature, extent, and quality of the services provided by the Adviser and its affiliates, the fees charged for those services, and other matters that the Trustees considered relevant in the exercise of their business judgment, and unanimously approved the continuation of the investment advisory agreement for each Janus Henderson Fund for the period from February 1, 2024 through February 1, 2025, subject to earlier termination as provided for in each agreement.

In considering the continuation of those agreements, the Trustees reviewed and analyzed various factors that they determined were relevant, including the factors described below, none of which by itself was considered dispositive. However, the material factors and conclusions that formed the basis for the Trustees' determination to approve the continuation of the agreements are discussed separately below. Also included is a summary of the independent fee consultant's conclusions and opinions that arose during, and were included as part of, the Trustees' consideration of the agreements. "Management fees," as used herein, reflect actual annual advisory fees and, for the purpose of peer comparisons any administration fees (excluding out of pocket costs), net of any waivers, paid by a fund as a percentage of average net assets.

#### Nature, Extent and Quality of Services

The Trustees reviewed the nature, extent, and quality of the services provided by the Adviser to the Janus Henderson Funds, taking into account the investment objective, strategies, and policies of each Janus Henderson Fund, and the knowledge the Trustees gained from their regular meetings with management on at least a quarterly basis and their ongoing review of information related to the Janus Henderson Funds. In addition, the Trustees reviewed the resources and key personnel of the Adviser, particularly noting those employees who provide investment and risk management services to the Janus Henderson Funds. The Trustees also considered other services provided to the Janus Henderson

#### **Additional Information (unaudited)**

Funds by the Adviser, such as managing the execution of portfolio transactions and the selection of broker-dealers for those transactions. The Trustees considered the Adviser's role as administrator to the Janus Henderson Funds, noting that the Adviser generally does not receive a fee for its services as administrator, but is reimbursed for its out-of-pocket costs. The Trustees considered the role of the Adviser in monitoring adherence to the Janus Henderson Funds' investment restrictions, providing support services for the Trustees and Trustee committees, and overseeing communications with Janus Henderson Fund shareholders and the activities of other service providers, including monitoring compliance with various policies and procedures of the Janus Henderson Funds and with applicable securities laws and regulations.

In this regard, the independent fee consultant noted that the Adviser provides a number of different services for the Janus Henderson Funds and their shareholders, ranging from investment management services to various other servicing functions, and that, in its view, the Adviser is a capable provider of those services. The independent fee consultant also provided its belief that the Adviser has developed a number of institutional competitive advantages that should enable it to provide superior investment and service performance over the long term.

The Trustees concluded that the nature, extent, and quality of the services provided by the Adviser to each Janus Henderson Fund were appropriate and consistent with the terms of the respective advisory agreements, and that, taking into account steps taken to address those Janus Henderson Funds whose performance lagged that of their peers for certain periods, the Janus Henderson Funds were likely to benefit from the continued provision of those services. They also concluded that the Adviser had sufficient personnel, with the appropriate education and experience, to serve the Janus Henderson Funds effectively and had demonstrated its ability to attract well-qualified personnel.

#### Performance of the Funds

The Trustees considered the performance results of each Janus Henderson Fund over various time periods. They noted that they considered Janus Henderson Fund performance data throughout the year, including periodic meetings with each Janus Henderson Fund's portfolio manager(s), and also reviewed information comparing each Janus Henderson Fund's performance with the performance of comparable fund peer groups identified by Broadridge Financial Solutions, Inc. ("Broadridge"), an independent data provider, and with the Janus Henderson Fund's benchmark index.

In this regard, as reported by Broadridge: (i) for the 12 months ended June 30, 2023, approximately 44% of the Janus Henderson Funds were in the top two quartiles of their Broadridge peer groups; and (ii) for the 36 months ended June 30, 2023, approximately 50% of the Janus Henderson Funds were in the top two quartiles of their Broadridge peer groups. In addition, the independent fee consultant found that the Janus Henderson Funds' average 2023 performance has been reasonable, noting that: (i) for the 12 months ended September 30, 2023, approximately 43% of the Janus Henderson Funds were in the top two quartiles of performance as reported by Morningstar; (ii) for the 36 months ended September 30, 2023, approximately 45% of the Janus Henderson Funds were in the top two quartiles of performance as reported by Morningstar; and (iii) for the 5- and 10-year periods ended September 30, 2023, approximately 63% and 66% of the Janus Henderson Funds were in the top two quartiles of performance, respectively, as reported by Morningstar.

The Trustees considered the performance of each Janus Henderson Fund, noting that performance may vary by share class, and noted the following with respect to the VIT Portfolios:

- For Janus Henderson Balanced Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Enterprise Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the third Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Flexible Bond Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the bottom Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Forty Portfolio, the Trustees noted that the VIT Portfolio's performance was in the third Broadridge quartile for the 36 months ended June 30, 2023 and the second Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted the reasons for the VIT Portfolio's underperformance, while also noting

#### **Additional Information (unaudited)**

that the VIT Portfolio has a performance fee structure that results in lower management fees during periods of underperformance, the steps the Adviser had taken or was taking to improve performance, and that the performance trend was improving.

- For Janus Henderson Global Research Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge guartile for the 36 months ended June 30, 2023 and the first Broadridge guartile for the 12 months ended June 30, 2023.
- For Janus Henderson Global Sustainable Equity Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted that 36 monthend performance was not yet available.
- For Janus Henderson Global Technology and Innovation Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Mid Cap Value Portfolio, the Trustees noted that the VIT Portfolio's performance was in the bottom Broadridge quartile for the 36 months ended June 30, 2023 and the third Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted the reasons for the VIT Portfolio's underperformance, while also noting that the VIT Portfolio has a performance fee structure that results in lower management fees during periods of underperformance, the steps the Adviser had taken or was taking to improve performance.
- For Janus Henderson Overseas Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the bottom Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Research Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.

In consideration of each Janus Henderson Fund's performance, the Trustees concluded that, taking into account the factors relevant to performance, as well as other considerations, including steps taken to improve performance, as applicable, the Janus Henderson Fund's performance warranted continuation of such Janus Henderson Fund's investment advisory agreement.

#### Costs of Services Provided

The Trustees examined information regarding the fees and expenses of each Janus Henderson Fund in comparison to similar information for other comparable funds as provided by Broadridge, an independent data provider. They also reviewed an analysis of that information provided by their independent fee consultant. The independent fee consultant provided its belief that the management fees charged by the Adviser to each of the Janus Henderson Funds under the current investment advisory and administration agreements are reasonable in relation to the services provided by the Adviser. The independent fee consultant found: (1) the total expenses and management fees of the Janus Henderson Funds to be reasonable relative to other comparable mutual funds; (2) the total expenses, on average, were 8% under the average total expenses of the respective Broadridge peer group; and (3) the management fees for the Janus Henderson Funds, on average, were 6% under the average management fees for the respective Broadridge peer group. The Trustees also considered the total expenses for each share class of each Janus Henderson Fund compared to the average total expenses for its Broadridge Expense Group and to average total expenses for its Broadridge Expense Universe.

For Janus Henderson Funds with three or more years of performance history, the independent fee consultant also performed a systematic "focus list" analysis of expenses which assessed fund fees in the context of fund performance being delivered. Based on this analysis, the independent fee consultant found that the combination of service quality/performance and expenses on these individual Janus Henderson Funds was reasonable considering performance trends, performance histories, changes in portfolio management, relative average net asset levels, and the existence of performance fees, breakpoints, and/or expense waivers on such Janus Henderson Funds.

The Trustees considered the methodology used by the Adviser in determining compensation payable to portfolio managers, the competitive environment for investment management talent, and the competitive market for mutual funds in different distribution channels.

#### Additional Information (unaudited)

The Trustees also reviewed management fees charged by the Adviser to comparable institutional/separate account clients and to comparable non-affiliated funds subadvised by the Adviser (for which the Adviser provides only or primarily portfolio management services). Although in most instances subadvisory and institutional/separate account fee rates for various investment strategies were lower than management fee rates for Janus Henderson Funds having a similar strategy, the Trustees considered that the Adviser noted that, under the terms of the management agreements with the Janus Henderson Funds, the Adviser performs significant additional services for the Janus Henderson Funds that it does not provide to those other clients, including administration services, oversight of the Janus Henderson Funds' other service providers, Trustee support, regulatory compliance, and numerous other services, and that, in serving the Janus Henderson Funds, the Adviser assumes many legal risks and other costs that it does not assume in servicing its other clients. Moreover, the Trustees noted that the independent fee consultant referenced its past analyses from 2022, which found that: (1) the management fees the Adviser charges to the Janus Henderson Funds are reasonable in relation to the management fees the Adviser charges to funds subadvised by the Adviser and to the fees the Adviser charges to its institutional separate account clients; (2) these subadvised and institutional separate accounts have different service and infrastructure needs and operate in markets very different from the retail fund market; (3) Janus Henderson mutual fund investors enjoy reasonable fees relative to the fees charged in these other markets; and (4) 9 of 11 Janus Henderson Funds had lower management fees than similar funds subadvised by the Adviser. As part of their review of the 2022 independent consultant findings, the Trustees noted that for the two Janus Henderson Funds that did not have lower management fees than similar funds subadvised by the Adviser, management fees for each were under the average of its 15(c) peer group.

The Trustees considered the fees for each Janus Henderson Fund for its fiscal year ended in 2022 and noted the following with regard to each VIT Portfolio's total expenses, net of applicable fee waivers (the VIT Portfolio's "total expenses") as reflected in the comparative information provided by Broadridge:

- For Janus Henderson Balanced Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group average for one share class, overall the VIT Portfolio's total expenses were reasonable.
- For Janus Henderson Enterprise Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Flexible Bond Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group for one share class, overall the VIT Portfolio's total expenses were reasonable. The Trustees also noted that the Adviser has contractually agreed to limit the VIT Portfolio's expenses, although this limit did not apply because the Fund's total expenses as shown were below the applicable fee limit.
- For Janus Henderson Forty Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Research Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Sustainable Equity Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Technology and Innovation Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Mid Cap Value Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Overseas Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group average for one share class, overall the VIT Portfolio's total expenses were reasonable.
- For Janus Henderson Research Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.

The Trustees reviewed information on the overall profitability to the Adviser and its affiliates from their relationships with the Janus Henderson Funds, and considered profitability data of other publicly traded mutual fund advisers. The Trustees recognized that profitability comparisons among fund managers are difficult because of the variation in the type of comparative information that is publicly available, and the profitability of any fund manager is affected by

#### Additional Information (unaudited)

numerous factors, including the organizational structure of the particular fund manager, differences in complex size, difference in product mix, difference in types of business (mutual fund, institutional and other), differences in the types of funds and other accounts it manages, possible other lines of business, the methodology for allocating expenses and the fund manager's capital structure and cost of capital.

Additionally, the Trustees considered the estimated profitability to the Adviser from the investment management services it provided to each Janus Henderson Fund. In their review, the Trustees considered whether the Adviser receives adequate incentives and resources to manage the Janus Henderson Funds effectively. In reviewing profitability, the Trustees noted that the estimated profitability for an individual Janus Henderson Fund is necessarily a product of the allocation methodology utilized by the Adviser to allocate its expenses as part of the estimated profitability calculation. In this regard, the Trustees noted that the independent fee consultant found as part of its 2022 review, which assessed 2021 fund-level profitability, that (1) the expense allocation methodology and rationales utilized by the Adviser were reasonable and (2) no clear correlation exists between expense allocations and operating margins. The Trustees noted that the Adviser reported no changes to its allocation methodology for the 2023 15(c) process; however, at the Trustees' request, the independent fee consultant reviewed changes to the allocation methodology that were reflected in the 2021 data for the 2022 15(c) process, but were not separately analyzed by the independent fee consultant as part of its 2022 review. The independent fee consultant found the new allocation methodology and the rationale for the changes to be reasonable. Further, the independent fee consultant's analysis of fund operating margins showed de minimis impact on operating margins as a result of the changes to the allocation methodology. As part of their overall review of fund profitability, the Trustees also considered that the estimated profitability for an individual Janus Henderson Fund was influenced by a number of factors, including not only the allocation methodology selected. but also the presence of fee waivers and expense caps, and whether the Janus Henderson Fund's investment management agreement contained breakpoints or a performance fee component. The Trustees determined, after taking into account these factors, among others, that the Adviser's estimated profitability with respect to each Janus Henderson Fund was not unreasonable in relation to the services provided, and that the variation in the range of such estimated profitability among the Janus Henderson Funds was not a material factor in the Board's approval of the reasonableness of any Janus Henderson Fund's investment management fees.

The Trustees concluded that the management fees payable by each Janus Henderson Fund to the Adviser were reasonable in relation to the nature, extent, and quality of the services provided, taking into account the fees charged by other advisers for managing comparable mutual funds with similar strategies, the fees the Adviser charges to other clients, and, as applicable, the impact of fund performance on management fees payable by the Janus Henderson Funds. The Trustees also concluded that each Janus Henderson Fund's total expenses were reasonable, taking into account the size of the Janus Henderson Fund, the quality of services provided by the Adviser, the investment performance of the Janus Henderson Fund, and any expense limitations agreed to or provided by the Adviser.

#### Economies of Scale

The Trustees considered information about the potential for the Adviser to realize economies of scale as the assets of the Janus Henderson Funds increase. They noted that their independent fee consultant published a report to the Trustees in 2022, which provided its research and analysis into economies of scale. The Trustees also considered the following from the independent fee consultant's 2023 report: (1) past analyses completed by it cannot confirm or deny the existence of economies of scale in the Janus Henderson complex, but the independent fee consultant provided its belief that Janus Henderson Fund investors are well-served by the fee levels, management fee breakpoints, and performance fee structures in place on the Janus Henderson Funds in light of any economies of scale that may be present at the Adviser; (2) that 28% of Janus Henderson Funds had management fee breakpoints in place whereby investors pay lower management fees as fund AUM increases; (3) that 31% of Janus Henderson Funds have low flatrate fees and performance fees where the Adviser is incentivized to invest in resources which drive Janus Henderson Fund performance; and (4) that 41% of Janus Henderson Funds have low flat-rate fees (the "Low Flat-Rate Fee Funds") versus peers where investors pay low fixed fees when the Janus Henderson Fund is small/midsized and higher fees when the Janus Henderson Fund grows in assets.

With respect to the Low Flat-Rate Fee Funds, the independent fee consultant concluded in its 2023 report that (1) 70% of such funds have contractual management fees (gross of waivers) below their respective Broadridge peer group averages; (2) to the extent there were economies of scale at the Adviser, the Adviser's general strategy of setting fixed management fees below peers appeared to share any such economies with investors even on smaller Janus Henderson Funds, which have not yet achieved those economies; and (3) by setting lower fixed fees from the start on

## Janus Henderson VIT Balanced Portfolio Additional Information (unaudited)

the Low Flat-Rate Fee Funds, the Adviser appeared to be investing to increase the likelihood that these Janus Henderson Funds will grow to a level to achieve any economies of scale that may exist.

The Trustees also noted that the Janus Henderson Funds share directly in economies of scale through the significant investments made by the Adviser and its affiliates related to services provided to the Funds and the lower charges of third-party service providers that are based in part on the combined scale of all of the Janus Henderson Funds.

Based on all of the information reviewed, including the recent and past research and analysis conducted by the Trustees' independent fee consultant, the Trustees concluded that the current fee structure of each Janus Henderson Fund was reasonable and that the current rates of fees do reflect a sharing between the Adviser and the Janus Henderson Fund of any economies of scale that may be present at the current asset level of the Janus Henderson Fund.

#### Other Benefits to the Adviser

The Trustees also considered other benefits that accrue to the Adviser and its affiliates from their relationships with the Janus Henderson Funds. They recognized that two affiliates of the Adviser separately serve the Janus Henderson Funds as transfer agent and distributor, respectively, and the transfer agent receives compensation directly from the non-money market Janus Henderson Funds for services provided, and that such compensation contributes to the overall profitability of the Adviser and its affiliates that results from their relationship with the Janus Henderson Funds. The Trustees also considered the Adviser's past and proposed use of commissions paid by Janus Henderson Funds on portfolio brokerage transactions to obtain proprietary and third-party research products and services benefiting the Janus Henderson Fund and/or other clients of the Adviser and/or the Adviser. The Trustees concluded that the Adviser's use of these types of client commission arrangements to obtain proprietary and third-party research products and services was consistent with regulatory requirements and guidelines and was likely to benefit such Janus Henderson Funds. The Trustees also concluded that, other than the services provided by the Adviser and its affiliates pursuant to the agreements and the fees to be paid by each Janus Henderson Fund therefor, the Janus Henderson Funds and the Adviser may potentially benefit from their relationship with each other in other ways. They concluded that the Adviser and its affiliates share directly in economies of scale through the lower charges of third-party service providers that are based in part on the combined scale of the Janus Henderson Funds and other clients serviced by the Adviser and its affiliates. They also concluded that the Adviser benefits from the receipt of research products and services acquired through commissions paid on portfolio transactions of the Janus Henderson Funds and that the Janus Henderson Funds benefit from the Adviser's receipt of those products and services as well as research products and services acquired through commissions paid by other clients of the Adviser. They further concluded that the success of any Janus Henderson Fund could attract other business to the Adviser or other Janus Henderson Funds, and that the success of the Adviser could enhance the Adviser's ability to serve the Janus Henderson Funds.

### Janus Henderson VIT Balanced Portfolio **Useful Information About Your Portfolio Report (unaudited)**

#### **Management Commentary**

The Management Commentary in this report includes valuable insight as well as statistical information to help you understand how your Portfolio's performance and characteristics stack up against those of comparable indices.

If the Portfolio invests in foreign securities, this report may include information about country exposure. Country exposure is based primarily on the country of risk. A company may be allocated to a country based on other factors such as location of the company's principal office, the location of the principal trading market for the company's securities, or the country where a majority of the company's revenues are derived.

Please keep in mind that the opinions expressed in the Management Commentary are just that: opinions. They are a reflection based on best judgment at the time this report was compiled, which was December 31, 2023. As the investing environment changes, so could opinions. These views are unique and are not necessarily shared by fellow employees or by Janus Henderson in general.

#### **Performance Overviews**

Performance overview graphs compare the performance of a hypothetical \$10,000 investment in the Portfolio with one or more widely used market indices. When comparing the performance of the Portfolio with an index, keep in mind that market indices are not available for investment and do not reflect deduction of expenses.

Average annual total returns are quoted for a Portfolio with more than one year of performance history. Average annual total return is calculated by taking the growth or decline in value of an investment over a period of time, including reinvestment of dividends and distributions, then calculating the annual compounded percentage rate that would have produced the same result had the rate of growth been constant throughout the period. Average annual total return does not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares.

Cumulative total returns are quoted for a Portfolio with less than one year of performance history. Cumulative total return is the growth or decline in value of an investment over time, independent of the period of time involved. Cumulative total return does not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares.

Pursuant to federal securities rules, expense ratios shown in the performance chart reflect subsidized (if applicable) and unsubsidized ratios. The total annual fund operating expenses ratio is gross of any fee waivers, reflecting the Portfolio's unsubsidized expense ratio. The net annual fund operating expenses ratio (if applicable) includes contractual waivers of the Adviser and reflects the Portfolio's subsidized expense ratio. Ratios may be higher or lower than those shown in the "Financial Highlights" in this report.

#### Schedule of Investments

Following the performance overview section is the Portfolio's Schedule of Investments. This schedule reports the types of securities held in the Portfolio on the last day of the reporting period. Securities are usually listed by type (common stock, corporate bonds, U.S. Government obligations, etc.) and by industry classification (banking, communications, insurance, etc.). Holdings are subject to change without notice.

The value of each security is quoted as of the last day of the reporting period. The value of securities denominated in foreign currencies is converted into U.S. dollars.

If the Portfolio invests in foreign securities, it will also provide a summary of investments by country. This summary reports the Portfolio exposure to different countries by providing the percentage of securities invested in each country. The country of each security represents the country of risk. The Portfolio's Schedule of Investments relies upon the industry group and country classifications published by Bloomberg and/or MSCI Inc.

Tables listing details of individual forward currency contracts, futures, written options, swaptions, and swaps follow the Portfolio's Schedule of Investments (if applicable).

#### Statement of Assets and Liabilities

This statement is often referred to as the "balance sheet." It lists the assets and liabilities of the Portfolio on the last day of the reporting period.

## Janus Henderson VIT Balanced Portfolio Useful Information About Your Portfolio Report (unaudited)

The Portfolio's assets are calculated by adding the value of the securities owned, the receivable for securities sold but not yet settled, the receivable for dividends declared but not yet received on securities owned, and the receivable for Portfolio shares sold to investors but not yet settled. The Portfolio's liabilities include payables for securities purchased but not yet settled, Portfolio shares redeemed but not yet paid, and expenses owed but not yet paid. Additionally, there may be other assets and liabilities such as unrealized gain or loss on forward currency contracts.

The section entitled "Net Assets Consist of" breaks down the components of the Portfolio's net assets. Because the Portfolio must distribute substantially all earnings, you will notice that a significant portion of net assets is shareholder capital.

The last section of this statement reports the net asset value ("NAV") per share on the last day of the reporting period. The NAV is calculated by dividing the Portfolio's net assets for each share class (assets minus liabilities) by the number of shares outstanding.

#### **Statement of Operations**

This statement details the Portfolio's income, expenses, realized gains and losses on securities and currency transactions, and changes in unrealized appreciation or depreciation of Portfolio holdings.

The first section in this statement, entitled "Investment Income," reports the dividends earned from securities and interest earned from interest-bearing securities in the Portfolio.

The next section reports the expenses incurred by the Portfolio, including the advisory fee paid to the investment adviser, transfer agent fees and expenses, and printing and postage for mailing statements, financial reports and prospectuses. Expense offsets and expense reimbursements, if any, are also shown.

The last section lists the amounts of realized gains or losses from investment and foreign currency transactions, and changes in unrealized appreciation or depreciation of investments and foreign currency-denominated assets and liabilities. The Portfolio will realize a gain (or loss) when it sells its position in a particular security. A change in unrealized gain (or loss) refers to the change in net appreciation or depreciation of the Portfolio during the reporting period. "Net Realized and Unrealized Gain/(Loss) on Investments" is affected both by changes in the market value of Portfolio holdings and by gains (or losses) realized during the reporting period.

#### Statements of Changes in Net Assets

These statements report the increase or decrease in the Portfolio's net assets during the reporting period. Changes in the Portfolio's net assets are attributable to investment operations, dividends and distributions to investors, and capital share transactions. This is important to investors because it shows exactly what caused the Portfolio's net asset size to change during the period.

The first section summarizes the information from the Statement of Operations regarding changes in net assets due to the Portfolio's investment operations. The Portfolio's net assets may also change as a result of dividend and capital gains distributions to investors. If investors receive their dividends and/or distributions in cash, money is taken out of the Portfolio to pay the dividend and/or distribution. If investors reinvest their dividends and/or distributions, the Portfolio's net assets will not be affected.

The reinvestment of dividends and distributions is included under "Capital Share Transactions." "Capital Shares" refers to the money investors contribute to the Portfolio through purchases or withdrawals via redemptions. The Portfolio's net assets will increase and decrease in value as investors purchase and redeem shares from the Portfolio.

#### **Financial Highlights**

This schedule provides a per-share breakdown of the components that affect the Portfolio's NAV for current and past reporting periods as well as total return, asset size, ratios, and portfolio turnover rate.

The first line in the table reflects the NAV per share at the beginning of the reporting period. The next line reports the net investment income/(loss) per share. Following is the per share total of net gains/(losses), realized and unrealized. Per share dividends and distributions to investors are then subtracted to arrive at the NAV per share at the end of the period. The next line reflects the total return for the period. The total return may include adjustments in accordance with generally accepted accounting principles required at the period end for financial reporting purposes. As a result, the total return may differ from the total return reflected for individual shareholder transactions. Also included are ratios of expenses and net investment income to average net assets.

### Janus Henderson VIT Balanced Portfolio **Useful Information About Your Portfolio Report (unaudited)**

The Portfolio's expenses may be reduced through expense offsets and expense reimbursements. The ratios shown reflect expenses before and after any such offsets and reimbursements.

The ratio of net investment income/(loss) summarizes the income earned less expenses, divided by the average net assets of the Portfolio during the reporting period. Do not confuse this ratio with the Portfolio's yield. The net investment income ratio is not a true measure of the Portfolio's yield because it does not take into account the dividends distributed to the Portfolio's investors.

The next figure is the portfolio turnover rate, which measures the buying and selling activity in the Portfolio. Portfolio turnover is affected by market conditions, changes in the asset size of the Portfolio, fluctuating volume of shareholder purchase and redemption orders, the nature of the Portfolio's investments, and the investment style and/or outlook of the portfolio manager(s) and/or investment personnel. A 100% rate implies that an amount equal to the value of the entire portfolio was replaced once during the fiscal year; a 50% rate means that an amount equal to the value of half the portfolio is traded in a year; and a 200% rate means that an amount equal to the value of the entire portfolio is traded every six months.

### **Designation Requirements (unaudited)**

For federal income tax purposes, the Portfolio designated the following for the year ended December 31, 2023:

Section 163(j) Interest Dividend	61%
Dividends Received Deduction Percentage	49%

**Trustees and Officers (unaudited)** 

The following are the Trustees and officers of the Trust, together with a brief description of their principal occupations during the last five years (principal occupations for certain Trustees may include periods over five years). The Portfolio's Statement of Additional Information includes additional information about the Trustees and officers and is available, without charge, by calling 1-877-335-2687.

Each Trustee has served in that capacity since he or she was originally elected or appointed. The Trustees do not serve a specified term of office. Each Trustee will hold office until the termination of the Trust or his or her earlier death, resignation, retirement, incapacity, or removal. Under the Portfolio's Governance Procedures and Guidelines, the policy is for Trustees to retire no later than the end of the calendar year in which the Trustee turns 75, unless extended by the Trustees. The Trustees review the Portfolio's Governance Procedures and Guidelines from time to time and may make changes they deem appropriate. The Portfolio's Nominating and Governance Committee will consider nominees for the position of Trustee recommended by shareholders. Shareholders may submit the name of a candidate for consideration by the Committee by submitting their recommendations to the Trust's Secretary. Each Trustee is currently a Trustee of one other registered investment company advised by the Adviser: Janus Investment Fund. Collectively, these two registered investment companies consist of 48 series or funds referred to herein as the Fund Complex.

The Trust's officers are elected annually by the Trustees for a one-year term. Certain officers also serve as officers of Janus Investment Fund. Certain officers of the Portfolio may also be officers and/or directors of the Adviser. Except as otherwise disclosed, Portfolio officers receive no compensation from the Portfolio, except for the Portfolio's Chief Compliance Officer, as authorized by the Trustees.

**Trustees and Officers (unaudited)** 

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Alan A. Brown 151 Detroit Street Denver, CO 80206 DOB: 1962	Chairman	5/22- Present 1/13- Present	Principal, Curam Holdings LLC (since 2018). Formerly, Executive Vice President, Institutional Markets, of Black Creek Group (private equity real estate investment management firm) (2012-2018), Executive Vice President and Co- Head, Global Private Client Group (2007- 2010), Executive Vice President, Mutual Funds (2005-2007), and Chief Marketing Officer (2001- 2005) of Nuveen Investments, Inc. (asset management).	48	Advisory Board Member of AEW Core Property Trust (open-end property fund) (since 2020), and Director of WTTW (PBS affiliate) (since 2003). Formerly, Director of MotiveQuest LLC (strategic social market research company) (2003-2016), Director of Nuveen Global Investors LLC (2007-2011), Director of Communities in Schools (2004-2010), and Director of Mutual Fund Education Alliance (until 2010).
Cheryl D. Alston 151 Detroit Street Denver, CO 80206 DOB: 1966	Trustee	8/22- Present	Executive Director and Chief Investment Officer, Employees' Retirement Fund of the City of Dallas (since 2004).	48	Director of Blue Cross Blue Shield of Kansas City (a not-for-profit health insurance provider) (since 2016) and Director of Global Life Insurance (life and supplemental health insurance provider) (since 2017). Formerly, Director of Federal Home Loan Bank of Dallas (2017-2021).

## **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste William D. Cvengros 151 Detroit Street Denver, CO 80206 DOB: 1948	Trustee	1/11- Present	Chief Executive Officer of SJC Capital, LLC (a personal investment company and consulting firm) (since 2002). Formerly, Chief Executive Officer and President of PIMCO Advisors Holdings L.P. (a publicly traded investment management firm) (1994-2000), and Chief Investment Officer (1987- 1994) and Vice Chairman and Director (1990- 1994) of Pacific Life Insurance Company (a mutual life insurance and annuity company) (1987-1994).	48	Board Member, Revitate Capital (alternate asset manager) (since 2023), Member, Limited Partner Advisory Committee, Karmel Capital Fund III (later stage growth fund) (since 2022), Member of the Investment Committee for the Orange County Community Foundation (a grantmaking foundation) (since 2020), Advisory Board Member, RevOZ Fund LP and related funds (real estate investments for opportunity zones) (since 2020), and Advisory Board Member, Innovate Partners Emerging Growth and Equity Fund I (early stage venture capital fund) (since 2014). Formerly, Managing Trustee of National Retirement Partners Liquidating Trust (2013-2016), Chairman, National Retirement Partners, Inc. (formerly a network of advisors to 401(k) plans) (2005-2013), Director of Prospect Acquisition Corp. (a special purpose acquisition corporation) (2007-2009), Director of RemedyTemp, Inc. (temporary help services company) (1996-2006), and Trustee of PIMCO Funds Multi-Manager Series (1990-2000) and Pacific Life Variable Life & Annuity Trusts (1987-1994).

**Trustees and Officers (unaudited)** 

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Trustee	es				
Raudline Etienne 151 Detroit Street Denver, CO 80206 DOB: 1965	Trustee	6/16- Present	Founder, Daraja Capital (advisory and investment firm) (since 2016). Formerly, Senior Vice President and Senior Advisor, Albright Stonebridge Group LLC (global strategy firm) (2011-2021), and Deputy Comptroller and Chief Investment Officer, New York State Common Retirement Fund (public pension fund) (2008- 2011).	48	Member of the Investment Committee for Cooper Union (private college) (since 2021) and Director of Brightwood Capital Advisors, LLC (since 2014). Formerly, Board Member, Van Alen Institute (nonprofit architectural and design organization) (2019-2022).

## **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Darrell B. Jackson 151 Detroit Street Denver, CO 80206 DOB: 1958	Trustee	8/22- Present	President and Chief Executive Officer, The Efficace Group Inc. (since 2018). Formerly, President and Chief Executive Officer, Seaway Bank and Trust Company (community bank) (2014-2015), and Executive Vice President and Co-President, Wealth Management (2009-2014), and several senior positions, including Group Executive, Senior Vice President (1995-2009) of Northern Trust Company (financial services company) (1995-2014).	48	Advisory Board Member, Dome Construction (construction) (since 2023), Director of Amalgamated Financial Corp (bank) (since August 2021), Director of YR Media (a not-for-profit production company) (since 2021), and Director of Gray-Bowen-Scott (transportation project consulting firm) (since April 2020). Formerly, Director of Delaware Place Bank (closely held commercial bank) (2016-2018) and Director of Seaway Bank and Trust Company (2014- 2015).

## **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste					
William F. McCalpin 151 Detroit Street Denver, CO 80206 DOB: 1957	Trustee	6/02- Present	Chief Executive Officer, muun chi LLC (organic food business) (since 2022) and Independent Consultant (since 2019). Formerly, Chief Operating Officer, muun chi LLC (2020-2022), Managing Partner, Impact Investments, Athena Capital Advisors LLC (independent registered investment advisor) (2016- 2019), Managing Director, Holos Consulting LLC (provides consulting services to foundations and other nonprofit organizations) (2009-2016), Chief Executive Officer, Imprint Capital Advisors (impact investment firm) (2013-2015), and Executive Vice President and Chief Operating Officer of The Rockefeller Brothers Fund (a private family foundation) (1998- 2006).	48	Chairman of the Board of The Investment Fund for Foundations Investment Program (TIP) (consisting of 1 fund) (since 2008). Formerly, Trustee, TIP (2008-2023), Director of the F.B. Heron Foundation (a private grantmaking foundation) (2006-2022), and Director of Mutual Fund Directors Forum (a nonprofit organization serving independent directors of U.S. mutual funds) (2016-2021).

## **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Gary A. Poliner 151 Detroit Street Denver, CO 80206 DOB: 1953	Trustee	6/16- Present	Retired. Formerly, President (2010- 2013) of Northwestern Mutual Life Insurance Company.	48	Formerly, Director of MGIC Investment Corporation (private mortgage insurance) (2013-2023), Director, West Bend Mutual Insurance Company (property/casualty insurance) (2013-2021), Trustee of Northwestern Mutual Life Insurance Company (2010-2013) and Director of Frank Russell Company (global asset management firm) (2008-2013).
Diane L. Wallace 151 Detroit Street Denver, CO 80206 DOB: 1958	Trustee	6/17- Present	Retired. Formerly, Chief Operating Officer, Senior Vice President-Operations, and Chief Financial Officer for Driehaus Capital Management, LLC (1988-2006) and Treasurer for Driehaus Mutual Funds (1996-2002).	48	Formerly, Director of Family Service of Lake County (2019-2021), Independent Trustee, Henderson Global Funds (13 portfolios) (2015-2017), Independent Trustee, State Farm Associates' Funds Trust, State Farm Mutual Fund Trust, and State Farm Variable Product Trust (28 portfolios) (2013-2017).

### **Trustees and Officers (unaudited)**

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Name, Address, and Age	Positions Held with the Trust	Term of Office* and Length of Time Served	Principal Occupations During the Past Five Years
Jeremiah Buckley 151 Detroit Street Denver, CO 80206 DOB: 1976	Executive Vice President and Co-Portfolio Manager Janus Henderson Balanced Portfolio	12/15-Present	Portfolio Manager for other Janus Henderson accounts.
Michael Keough 151 Detroit Street Denver, CO 80206 DOB: 1978	Executive Vice President and Co-Portfolio Manager Janus Henderson Balanced Portfolio	12/19-Present	Portfolio Manager for other Janus Henderson accounts.
Greg Wilensky 151 Detroit Street Denver, CO 80206 DOB: 1967	Executive Vice President and Co-Portfolio Manager Janus Henderson Balanced Portfolio	2/20-Present	Head of U.S. Fixed Income of Janus Henderson Investors and Portfolio Manager for other Janus Henderson accounts. Formerly, Director and Lead Portfolio Manager of the U.S. Multi-Sector Fixed Income team at AllianceBernstein (2007-2019).
Michelle Rosenberg 151 Detroit Street Denver, CO 80206 DOB: 1973	President and Chief Executive Officer	9/22-Present	General Counsel and Corporate Secretary of Janus Henderson Investors (since 2018). Formerly, Interim President and Chief Executive Officer of the Trust and Janus Investment Fund (2022), Senior Vice President and Head of Legal, North America of Janus Henderson Investors (2017-2018) and Deputy General Counsel of Janus Henderson US (Holdings) Inc. (2015-2018).

<sup>\*</sup> Officers are elected at least annually by the Trustees for a one-year term and may also be elected from time to time by the Trustees for an interim period.

### **Trustees and Officers (unaudited)**

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OFFICERS			
Name, Address, and Age	Positions Held with the Trust	Term of Office* and Length of Time Served	Principal Occupations During the Past Five Years
Kristin Mariani 151 Detroit Street Denver, CO 80206 DOB: 1966	Vice President and Chief Compliance Officer	7/20-Present	Head of Compliance, North America at Janus Henderson Investors (since September 2020) and Chief Compliance Officer at Janus Henderson Investors US LLC (since September 2017). Formerly, Anti-Money Laundering Officer for the Trust and Janus Investment Fund (July 2020-December 2022), Global Head of Investment Management Compliance at Janus Henderson Investors (February 2019-August 2020), Vice President, Head of Global Distribution Compliance and Chief Compliance Officer at Janus Henderson Distributors US LLC (May 2017-September 2017), Vice President, Compliance at Janus Henderson US (Holdings) Inc., Janus Henderson Investors US LLC, and Janus Henderson Distributors US LLC (2009-2017).
Jesper Nergaard 151 Detroit Street	Chief Financial Officer	3/05-Present	Head of U.S. Fund Administration, Janus Henderson Investors and
Denver, CO 80206 DOB: 1962	Vice President, Treasurer, and Principal Accounting Officer	2/05-Present	Janus Henderson Services US LLC.
Abigail J. Murray 151 Detroit Street Denver, CO 80206 DOB: 1975	Vice President, Chief Legal Counsel, and Secretary	12/20-Present	Managing Counsel (since 2020). Formerly, Senior Counsel for Invesco Ltd. (2017-2020).
Ciaran Askin 151 Detroit Street Denver, CO 80206 DOB: 1978	Anti-Money Laundering Officer	12/22-Present	Global Head of Financial Crime, Janus Henderson Investors (since 2022). Formerly, Global Head of Financial Crime for Invesco Ltd. (2017-2022).

<sup>\*</sup> Officers are elected at least annually by the Trustees for a one-year term and may also be elected from time to time by the Trustees for an interim period.

## **Janus Henderson VIT Balanced Portfolio Notes**



Janus Aspen Series

## **HIGHLIGHTS**

- Portfolio management perspective
- Investment strategy behind your portfolio
- Portfolio performance, characteristics and holdings



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## Janus Henderson VIT Enterprise Portfolio

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## Janus Henderson VIT Enterprise Portfolio (unaudited)





co-portfolio manager

co-portfolio manager

## PERFORMANCE OVERVIEW

During the 12-month period ended December 31, 2023, Janus Henderson VIT Enterprise Portfolio's Institutional Shares and Service Shares returned 18.07% and 17.78%, respectively. The Portfolio's benchmark, the Russell Midcap® Growth Index, returned 25.87%. Stock selection in the information technology and financials sectors detracted from relative performance. Stock selection and an underweight allocation in the energy sector aided relative performance.

## **INVESTMENT ENVIRONMENT**

The U.S. equity market delivered positive returns for the 12-month period ended December 31, 2023. However, stocks encountered periods of volatility as investors awaited clarity on the direction of Federal Reserve (Fed) policy, interest rates, and inflation. Economic growth appeared relatively resilient, as a strong job market supported consumer spending. Yet there were signs of slowing in other areas of the economy, especially manufacturing and housing. The Fed continued to raise its policy rates through July before leaving rates unchanged starting in September. However, policymakers warned that interest rates may need to remain high for an extended period to contain inflation, especially as oil prices surged in the third guarter. These worries led to a broad-based stock market decline in the third guarter. Stocks rallied strongly in the fourth quarter, however, as investor expectations shifted from fears of additional interest rate hikes to hopes that moderating inflation might persuade the Fed to reduce rates in 2024. Declining bond yields and falling crude oil prices were also tailwinds for investor sentiment and stock performance late in the year.

## PERFORMANCE DISCUSSION

For several years, we have warned of imbalances in the mid-cap growth market, where we believed investors'

pursuit of revenue growth often eclipsed the importance of profitability and valuation. We believed such imbalances were unsustainable, and we remained skeptical of disconnects between stock valuations and earnings growth. Our disciplined approach hindered our relative performance at times during the year, as we lacked exposure to several high-valuation stocks that were strong contributors to index returns. We continue to approach such stocks with caution, as we believe it is overly optimistic to expect these companies to deliver the sustained rapid earnings growth over many years needed to justify such valuations. We stand by our balanced approach that pursues growth while seeking to manage downside risks, including valuation risk.

Among individual holdings, ICU Medical, a supplier of IV delivery solutions, was a relative detractor. It has taken longer than expected to work through some of the operational challenges of its large acquisition of Smiths Medical and faced uncertainty over the impact of new GLP-1 weight-loss drugs on treatments for medical conditions typically associated with obesity. Despite this uncertainty, we continue to like ICU Medical for its strong competitive positioning and consumables business, which has provided recurring revenues.

Amdocs, another detractor, provides software-enabled consulting solutions that help telecommunication companies manage billing and network operations. We have been long-term investors in the company because of its relatively steady earnings growth, healthy margins, strong management team, and reasonable valuation. The company faced some earnings headwinds due to macroeconomic uncertainty and restructuring expenses. While these developments weighed on the stock price, we continue to own the stock given the long-term potential we have seen for the business.

## Janus Henderson VIT Enterprise Portfolio (unaudited)

Constellation Software was a top positive contributor. This diversified software company has continued to execute on its model while capitalizing on the consolidation of the vertical enterprise software market. We were impressed with its ability to strategically deploy capital in acquisitions while maintaining its returns on invested capital. We continue to like the company's strategy of creating "mission critical" software for niche industries, where it operates with relatively little competition and has a high degree of pricing power.

National Instruments was also a contributor. National Instruments provides software-supported, productivity-enhancing systems used in engineering and scientific discovery. The stock jumped higher after global engineering company Emerson went public with a premium all-cash offer to acquire National Instruments, leading the two companies to begin merger talks. We saw Emerson's interest in National Instruments as confirmation of our investment thesis, and we sold our holdings ahead of the closing of the merger between the two companies.

## **DERIVATIVES**

Please see the Derivative Instruments section in the "Notes to Financial Statements" for a discussion of derivatives used by the Janus Henderson VIT Enterprise Portfolio.

## OUTLOOK

We remain cautiously optimistic on the outlook for 2024, even if we see potential risks. The fourth-quarter market rally was fueled by hopes for a "Goldilocks" scenario, in which growth slows just enough to curb inflation but not enough to risk recession. Yet this outcome is far from assured. We remain concerned about pockets of weakness in the U.S. economy, including increased strain on consumer budgets. We also see economic risks overseas, especially in China. Geopolitical developments could have reverberations for economic growth and inflation. Moreover, we remain concerned about elevated valuations in parts of the mid-cap market. For these reasons, we see the potential for increased equity market volatility if the economy slows by more than expected or if the Fed takes a more hawkish approach than investors anticipate. At the same time, we would caution against too much negativity. Even if the economy slips into a recession, we are not expecting a supply side-driven economic dislocation, as we saw in 2020, nor a wider financial crisis, like in 2008. Rather, we expect to see a relatively short and shallow business downturn that wellmanaged, well-funded companies should be able to successfully navigate. We also believe our fund is well positioned for this environment due to our focus on companies with strong balance sheets, sustainable competitive advantages, and healthy earnings trajectories. We continue to favor companies with low debt levels and strong free cash flow, which reduces their need for outside funding. We believe this disciplined approach is the best way to manage near-term uncertainty while providing long-term investment returns.

Thank you for your investment in Janus Henderson VIT Enterprise Portfolio.

**Return On Invested Capital (ROIC)** is a measure of how effectively a company used the money invested in its operations.

**Volatility** measures risk using the dispersion of returns for a given investment.

Free cash flow (FCF) yield is a financial ratio that measures how much cash flow a company has in case of its liquidation or other obligations by comparing the free cash flow per share with the market price per share and indicates the level of cash flow the company will earn against its share market value%

## Important Notice - Tailored Shareholder Reports

Effective January 24, 2023, the Securities and Exchange Commission (the "SEC") adopted rule and form amendments that require mutual funds and exchange-traded funds to provide shareholders with streamlined annual and semi-annual shareholder reports that highlight key information. Other information, including financial statements, that currently appears in shareholder reports will be made available online, delivered free of charge to shareholders upon request, and filed with the SEC. The first tailored shareholder report for the Portfolio will be for the reporting period ending June 30, 2024. Currently, management is evaluating the impact of the rule and form amendments on the content of the Portfolio's current shareholder reports.

## Janus Henderson VIT Enterprise Portfolio (unaudited) **Portfolio At A Glance December 31, 2023**

## **5 Top Contributors - Holdings**

## **5 Top Detractors - Holdings**

	Average	Relative		Average	Relative
	Weight	Contribution		Weight	Contribution
Constellation Software Inc/Canada	3.75%	1.08%	Revvity Inc	1.58%	-0.86%
Magellan Midstream Partners LP	1.59%	0.84%	ICU Medical Inc	1.07%	-0.76%
National Instruments Corp	0.90%	0.63%	Amdocs Ltd	2.55%	-0.75%
ON Semiconductor Corp	3.75%	0.56%	Teleflex Inc	2.29%	-0.60%
Cimpress PLC	0.58%	0.52%	Sensata Technologies Holding PLC	1.72%	-0.57%

## 5 Top Contributors - Sectors\*

Relative Contribution	Portfolio Average Weight	Russell Midcap Growth Index Average Weight
1.95%	1.99%	4.24%
0.37%	0.55%	3.06%
0.13%	1.31%	1.79%
-0.33%	17.45%	18.60%
-0.33%	1.39%	2.38%
	Contribution 1.95% 0.37% 0.13% -0.33%	ContributionAverage Weight1.95%1.99%0.37%0.55%0.13%1.31%-0.33%17.45%

## 5 Top Detractors - Sectors\*

	Relative	Portfolio	Russell Midcap Growth Index
	Contribution	Average Weight	Average Weight
Financials	-1.97%	12.16%	8.44%
Information Technology	-1.89%	29.84%	24.27%
Consumer Discretionary	-1.63%	6.25%	14.14%
Communication Services	-1.20%	2.55%	4.26%
Industrials	-0.80%	22.14%	18.51%

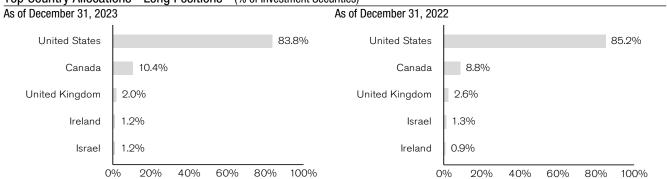
Relative contribution reflects how the portolio's holdings impacted return relative to the benchmark. Cash and securities not held in the portfolio are not shown. For equity portfolios, relative contribution compares the performance of a security in the portfolio to the benchmark's total return, factoring in the difference in weight of that security in the benchmark. Returns are calculated using daily returns and previous day ending weights rolled up by ticker, excluding fixed income securities, gross of advisory fees, may exclude certain derivatives and will differ from actual performance. Performance attribution reflects returns gross of advisory fees and may differ from actual returns as they are based on end of day holdings. Attribution is calculated by geometrically linking daily returns for the portfolio and index.

Based on sector classification according to the Global Industry Classification Standard ("GICS") codes, which are the exclusive property and a service mark of MSCI Inc. and Standard & Poor's.

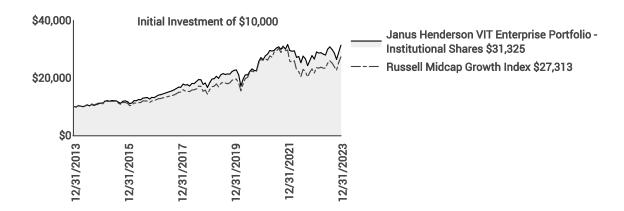
## Janus Henderson VIT Enterprise Portfolio (unaudited) Portfolio At A Glance December 31, 2023

5 Largest Equity Holdings - (% of Net Assets)		Asset Allocation - (% of Net Assets)	
Constellation Software Inc/Canada		Common Stocks	98.1%
Software	4.4%	Investment Companies	2.1%
Boston Scientific Corp		Warrants	0.0%
Health Care Equipment & Supplies	3.2%	Other	(0.2)%
GoDaddy Inc			100.0%
Information Technology Services	3.2%		
Teleflex Inc			
Health Care Equipment & Supplies	2.7%		
SS&C Technologies Holdings Inc			
Professional Services	2.7%		
	16.2%		

## Top Country Allocations - Long Positions - (% of Investment Securities)



# Janus Henderson VIT Enterprise Portfolio (unaudited) Performance



Average Annual Total Return -	Prospectus Expense Ratios				
	One Year	Five Year	Ten Year	Since Inception*	Total Annual Fund Operating Expenses <sup>‡</sup>
Institutional Shares	18.07%	13.42%	12.10%	11.05%	0.72%
Service Shares	17.78%	13.14%	11.82%	10.77%	0.96%
Russell Midcap Growth Index	25.87%	13.81%	10.57%	9.97%	
Morningstar Quartile - Institutional					
Shares	3rd	2nd	1st	1st	
Morningstar Ranking - based on					
total returns for Mid-Cap Growth					
Funds	393/557	177/519	19/479	17/137	

Returns quoted are past performance and do not guarantee future results; current performance may be lower or higher. Investment returns and principal value will vary; there may be a gain or loss when shares are sold. For the most recent month-end performance call 800.668.0434 or visit janushenderson.com/VITperformance.

Performance may be affected by risks that include those associated with foreign and emerging markets, fixed income securities, high-yield and high-risk securities, undervalued, overlooked and smaller capitalization companies, real estate related securities including Real Estate Investment Trusts (REITs), Environmental, Social and Governance (ESG) factors, non-diversification, portfolio turnover, derivatives, short sales, initial public offerings (IPOs) and potential conflicts of interest. Each product has different risks. Please see the prospectus for more information about risks, holdings and other details.

Returns do not reflect the deduction of fees, charges or expenses of any insurance product or qualified plan. If applied, returns would have been lower.

Returns include reinvestment of all dividends and distributions and do not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares. The returns do not include adjustments in accordance with generally accepted accounting principles required at the period end for financial reporting purposes.

Performance for Service Shares prior to December 31, 1999 reflects the performance of Institutional Shares, adjusted to reflect the expenses of Service Shares.

Ranking is for the share class shown only; other classes may have different performance characteristics.

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There is no assurance that the investment process will consistently lead to successful investing.

See Notes to Schedule of Investments and Other Information for index definitions.

Index performance does not reflect the expenses of managing a portfolio as an index is unmanaged.

See important disclosures on the next page.

# Janus Henderson VIT Enterprise Portfolio (unaudited) Performance

See "Useful Information About Your Portfolio Report."

<sup>\*</sup>The Portfolio's inception date - September 13, 1993

<sup>‡</sup> As stated in the prospectus. See Financial Highlights for actual expense ratios during the reporting period.

## Janus Henderson VIT Enterprise Portfolio (unaudited) **Expense Examples**

As a shareholder of the Portfolio, you incur two types of costs: (1) transaction costs and (2) ongoing costs, including management fees; 12b-1 distribution and shareholder servicing fees (applicable to Service Shares only); transfer agent fees and expenses payable pursuant to the Transfer Agency Agreement; and other Portfolio expenses. This example is intended to help you understand your ongoing costs (in dollars) of investing in the Portfolio and to compare these costs with the ongoing costs of investing in other mutual funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. The example is based upon an investment of \$1,000 invested at the beginning of the period and held for the sixmonths indicated, unless noted otherwise in the table and footnotes below.

## Actual Expenses

The information in the table under the heading "Actual" provides information about actual account values and actual expenses. You may use the information in these columns, together with the amount you invested, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number in the appropriate column for your share class under the heading entitled "Expenses Paid During Period" to estimate the expenses you paid on your account during the period.

## Hypothetical Example for Comparison Purposes

The information in the table under the heading "Hypothetical (5% return before expenses)" provides information about hypothetical account values and hypothetical expenses based upon the Portfolio's actual expense ratio and an assumed rate of return of 5% per year before expenses, which is not the Portfolio's actual return. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the Portfolio and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. Additionally, for an analysis of the fees associated with an investment in either share class or other similar funds, please visit www.finra.org/fundanalyzer.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transaction costs, such as any charges at the separate account level or contract level. These fees are fully described in the Portfolio's prospectuses. Therefore, the hypothetical examples are useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if these transaction costs were included, your costs would have been higher.

	Hypothetical Actual (5% return before expens						_
	Beginning Account Value (7/1/23)	Ending Account Value (12/31/23)	Expenses Paid During Period (7/1/23 - 12/31/23)†	Beginning Account Value (7/1/23)	Ending Account Value (12/31/23)	Expenses Paid During Period (7/1/23 - 12/31/23)†	Net Annualized Expense Ratio (7/1/23 - 12/31/23)
Institutional							
Shares	\$1,000.00	\$1,045.20	\$3.66	\$1,000.00	\$1,021.63	\$3.62	0.71%
Service Shares	\$1,000.00	\$1,043.80	\$4.95	\$1,000.00	\$1,020.37	\$4.89	0.96%

<sup>†</sup> Expenses Paid During Period are equal to the Net Annualized Expense Ratio multiplied by the average account value over the period, multiplied by 184/365 (to reflect the one-half year period). Expenses in the examples include the effect of applicable fee waivers and/or expense reimbursements, if any. Had such waivers and/or reimbursements not been in effect, your expenses would have been higher. Please refer to the Notes to Financial Statements or the Portfolio's prospectuses for more information regarding waivers and/or reimbursements.

Cammon Stacker 98.1%		Shares	Value
L3Harris Technologies Inc Alrilanes 1.13% Ryanair Holdings PLC (ADR)* Ryanair Holdings PLC (ADR)* Ryanair Holdings PLC (ADR)* 145,671 124,268,685 Argems SE (ADR)* Argems SE (ADR)* Argems SE (ADR)* 181,433 10,308,126 BIOMann Pharmacouclas Inc* 1171,158 11,296,374 BIOMann Pharmacouclas Inc* 1171,158 11,296,374 1171,158 11,296,374 1171,158 11,296,374 1171,158 11,296,374 11,002,497 11,006	Common Stocks- 98.1%		
Alfines – 1.3% (ADR) Ryanar Holdings PLC (ADR) Blotechnology – 2.6% (ADR) Agenx SE (ADR) Ascendis Pharma AVS (ADR) Ascendis Pharma Ceutical Inc' 117.158 1.343 10.308.126 12.68.278 11.75.68 1.298.374 Agenx SE (ADR) Ascendis Pharma Ceutical Inc' 117.158 1.298.374 Agenx SE (ADR) Ascendis Pharma Ceutical Inc' 117.158 1.298.374 Agenx SE (ADR) Solvan Pharmaceutical Inc' 117.158 1.298.374 Agenx SE (ADR) Series Therapeutics Inc' 20.08.08. 7.715.171 2.0914 Markets - 3.1% 2.098.374 4.0193.121 2.094.375 2.094.383 1.100.497 2.0913.121 2.094.393 2.094.393.121 2.094.393			
Ryanair Holdings PLC (ADR)*   14,671   19,426,685   18   10   10   10   10   10   10   10		106,142	\$22,355,628
Biotechnology - 2696		145 671	19.426.685
Agends FAmma A/S (ADR)* Ascendis Pharma A/S (ADR)* Ascendis Pharma A/S (ADR)* BioMarin Pharmaceutical Inc* 117,158 11,296,374 BioMarin Pharmaceutical Inc* 117,158 11,296,374 A0,193,121 Capital Markets – 3.1% Cboe Global Markets Inc Charles Schwab Corp 193,988 13,346,374 LPL Financial Holdings Inc Cortlevia In		140,071	10,420,000
BioMarin Pharmaceutical Inc*	Argenx SE (ADR)*		10,873,450
Sarepta Therapeutics Inc*   40,193,121			
Capital Markets = 3.1%   Choe Global Markets Inc   62,738   11,202,497   Charles Schwab Corp   193,988   13,246,774   LPL Financial Holdings Inc   104,552   23,798,126   48,346,997   Chemicals = 1.0%   Corteva Inc   317,379   15,208,802   Commercial Services & Supplies = 4.5%   Corteva Inc   155,603   12,456,020   Cimpress PLC   155,603   12,456,020   Cimpress PLC   15,603   12,456,020   Cimpress PLC   191,126   12,784,418   Rentoil Initial PLC   708,208   3978,413   Rentoil Initial PLC   191,126   12,784,418   Rentoil Initial PLC   191,126   12,784,418   Rentoil Initial PLC   15,509   14,922,247   Veralto Corp   175,528   14,417,546   Vestis Corp   70,587,611   70,0077   3,535,278   Veralto Corp   70,587,611   Veralto			
Capital Markets - 3.1%         62738         11,202,497           Choe Globb Markets Inc         193,988         13,346,374           LPL Financial Holdings Inc         104,552         23,788,126           Chemicals - 1.0%         48,346,997           Corteva Inc         317,379         15,208,802           Commercial Services & Supplies - 4.5%         15,608         12,456,000           Cimpress PLC*         185,603         12,456,000           Clean Harbors Inc*         64,383         11,231,987           RB Global Inc         191,126         12,784,418           Rentokil Initial PLC (ADR)         521,599         14,992,947           Veralto Corp         37,687         796,280           Vestis Corp         37,687         796,280           Vestis Corp         37,687         796,280           Diversified Financial Services - 0.2%         100,377         3,535,278           Diversified Financial Services - 4.1%         100,377         3,535,278           Diversified Financial Services - 4.1%         100,377         3,535,278           Diversified Financial Services - 4.1%         101,317         12,887,594           WEX Inc*         19,240         38,762,142           Global Payments Inc         2,555,000	Sarepta Therapeutics inc	00,000	
Charles Schwab Corp         193,988         13,346,374           LPL Financial Holdings Inc         104,552         23,798,126           Chemicals – 1,0%         46,346,997           Corteva Inc         317,379         15,208,802           Commercial Services & Supplies – 4,5%         155,603         12,456,020           Cimpress PLC*         63,363         11,231,987           Clean Harbors Inc*         64,363         11,231,987           RB Global Inc         191,126         12,784,418           Rentokil Initial PLC (ADR)         521,1599         14,922,247           Veralto Corp         175,268         14,417,546           Vestils Corp         70,587,611         100,377         3,835,278           Diversified Consumer Services – 0,2%         70,587,611         100,377         3,835,278           Diversified Consumer Services – 0,2%         100,377         3,835,278         1,223,359           Frontdoor Inc*         100,377         3,835,278         1,223,359           Diversified Consumer Services – 0,2%         101,317         1,2867,259           Fried Internacial Services – 4,1%         101,317         1,2867,259           Fidelity National Information Services Inc         199,240         38,782,19           Electric Utili	Capital Markets – 3.1%		. 5, . 5 5, . 2 .
CPL Financial Holdings Inc			
Chemicals = 1.0%   Corteva Inc   Corteva I		· · · · · · · · · · · · · · · · · · ·	
Chemicals - 1.0%	LPL Financial Holdings Inc	104,552	
Contractal Services & Supplies - 4.5%   15,208,802   Commercial Services & Supplies - 4.5%   155,603   12,456,020   Clean Harbors Inc*	Chemicals – 1.0%		40,540,997
Cimpress PLC*         155,603         12,456,020           Claen Harbors Inc*         64,363         11,231,987           RB Global Inc         191,126         12,784,418           Rentokil Initial PLC         708,208         3,978,413           Rentokil Initial PLC (ADR)         521,599         14,922,947           Veraito Corp         175,268         14,417,546           Vestis Corp         37,667         796,280           Vestis Corp         37,667         796,280           Frontdoor Inc*         100,377         3,535,278           Diversified Consumer Services – 4,1%         100,377         3,535,278           Frontdoor Inc*         100,377         3,535,278           Diversified Timexical Services – 4,1%         101,317         12,867,259           Frontdoor Inc*         19,240         33,762,142           WEX Inc*         199,240         33,762,142           WEX Inc*         199,240         33,762,142           Electric Utilities – 1.7%         41,867,249         62,850,007           Regal Beloit Corp         47,976         7,101,408           Regal Beloit Corp         47,976         7,101,408           Sensta Technologies Holding PLC         598,656         22,491,506		317,379	15,208,802
Clear Harbors Inc*		455.000	10.450.000
RB Global Inc   191,126   12,784,418   Rentokil Initial PLC   708,203   3,978,413   Rentokil Initial PLC (ADR)   521,599   14,922,947   Veralto Corp   175,268   14,417,546   796,280   796,280   70,587,611		· · · · · · · · · · · · · · · · · · ·	
Rentokil Initial PLC (ADR)         708,208         3,978,413           Rentokil Initial PLC (ADR)         521,599         14,922,947           Veralto Corp         175,268         14,417,546           Vestis Corp         37,667         796,280           Diversified Consumer Services - 0.2%           Frontdoor Inc*         100,377         3,535,278           Diversified Financial Services - 4,1%         100,377         3,535,278           Fidelity National Information Services Inc         186,838         11,223,359           Global Payments Inc         186,838         11,223,359           Global Payments Inc         199,240         38,762,142           Electric Utilities - 1.7%         41,886,259         42,857,600           Electric Utilities - 1.9%         47,976         7,101,408           Regal Beloit Corp         47,976         7,101,408           Sensata Technologies Holding PLC         598,656         22,491,506           Electronic Equipment, Instruments & Components - 5.8%         1,368,567         41,686,551           Fix Ltd*         1,368,567         41,686,551           TE Connectivity Ltd         110,549         15,532,135           Telefty Technologies Inc*         41,105         2,383,268           Elbe			
Rentokil Initial PLC (ADR)         521,599         14,922,947           Veralto Corp         175,268         14,417,546           Vestis Corp         37,667         796,280           Vestis Corp         70,587,611           Diversified Consumer Services – 0.2%         100,377         3,535,278           Frontdoor Inc*         100,377         3,535,278           Diversified Financial Services – 4.1%         186,838         11,223,359           Global Payments Inc         101,317         12,867,259           WEX Inc*         199,240         38,762,142           WEX Inc*         199,240         38,762,142           Electric Utilities – 1.7%         41,867,259         42,815,060           Alliant Energy Corp         517,544         26,550,007           Electrical Equipment – 1.9%         47,976         7,101,408           Regal Beloit Corp         47,976         7,101,408           Sensata Technologies Holding PLC         598,656         22,491,506           Electrical Equipment, Instruments & Components – 5.8%         110,549         15,532,135           Teledyne Technologies Inc*         74,596         33,291,449           Electrical Equipment & Liberty Media Corp-Liberty Formula One – Series A*         41,105         2,383,268      <			
Vestis Corp         37,667         796,280           Diversified Consumer Services – 0.2% Frontdoor Inc*         100,377         3,535,278           Diversified Financial Services – 4.1% Fidelity National Information Services Inc Global Payments Inc         186,838         11,223,359           Global Payments Inc WEX Inc*         199,240         38,762,142           WEX Inc*         199,240         38,762,142           Electric Utilities – 1.7% Alliant Energy Corp         517,544         26,550,007           Electrical Equipment – 1.9% Regal Beloit Corp         47,976         7,101,408           Sensata Technologies Holding PLC         598,656         22,491,506           Flex Ltd*         1,368,567         41,686,551           TE Connectivity Ltd         110,549         15,552,135           Teledyne Technologies Inc*         74,596         33,291,449           Uberty Media Corp-Liberty Formula One - Series A*         41,105         2,383,268           Liberty Media Corp-Liberty Formula One - Series C*         415,127         26,206,988           Food & Staples Retailing – 0.8%         81,794         11,618,838           Dollar Tree Inc*         81,794         11,618,838           Health Care Equipment & Supplies – 9.3%         847,247         48,979,349           Boston Scientific Corp*	Rentokil Initial PLC (ADR)		
Tourisified Consumer Services - 0.2%		· · · · · · · · · · · · · · · · · · ·	
Diversified Consumer Services – 0.2% Frontdoor Inc* Frontdoor Inc*         100,377         3,535,278           Diversified Financial Services – 4.1% Fidelity National Information Services Inc Global Payments Inc WEX Inc*         186,838         11,233,359           Global Payments Inc WEX Inc*         199,240         38,762,142           WEX Inc*         199,240         38,762,142           Electric Utilities – 1.7% Alliant Energy Corp         517,544         26,550,007           Electrical Equipment – 1.9% Regal Beloit Corp         47,976         7,101,408           Reagal Beloit Corp Sensata Technologies Holding PLC         598,656         22,491,506           Electric Equipment, Instruments & Components – 5.8% Fisc Ltd*         1,368,567         41,666,561           TE Connectivity Ltd         110,549         15,532,135           Teledyne Technologies Inc*         74,596         33,291,449           Liberty Media Corp-Liberty Formula One – Series A*         41,105         2,383,268           Liberty Media Corp-Liberty Formula One – Series C*         415,127         26,206,968           Food & Staples Retailing – 0.8% Dollar Tree Inc*         81,794         11,618,838           Health Care Equipment & Supplies – 9.3% Boston Scientific Corp*         847,247         48,979,349           Cooper Cos Inc         38,1227         13,567,869	Vestis Corp	37,667	
Frontdoor Inc*   100,377   3,535,278     Diversified Financial Services - 4.1%     Fidelity National Information Services Inc   186,838   11,223,359     Global Payments Inc   101,317   12,867,259     WEX Inc*   199,240   38,762,142     Gez,852,760     Electric Utilities - 1.7%   26,550,007     Electric Utilities - 1.7%   26,550,007     Electrical Equipment - 1.9%   7,101,408     Regal Beloit Corp   47,976   7,101,408     Sensata Technologies Holding PLC   598,656   22,491,506     Sensata Technologies Holding PLC   598,656   22,491,506     Sensata Technologies Holding PLC   110,549   15,582,135     Tele Connectivity Ltd   110,549   15,582,135     Teledyne Technologies Inc*   74,596   33,291,449     Sensata Technologies Inc*   41,105   2,383,268     Liberty Media Corp-Liberty Formula One - Series A*   41,105   2,383,268     Liberty Media Corp-Liberty Formula One - Series C*   415,127   26,206,968     Electra Inc*   81,794   11,618,838     Health Care Equipment & Supplies - 9.3%   847,247   48,979,349     Boston Scientific Corp*   847,247   48,979,349     Cooper Cos Inc   39,891   15,096,350     Dentsply Sirona Inc   381,227   13,867,869     ICU Medical Inc*   103,035   10,276,711     STERIS PLC   65,584   14,418,642     Teleflex Inc   169,232   42,196,307	Diversified Consumer Services - 0.9%		70,587,611
Diversified Financial Services - 4.1%		100,377	3,535,278
Global Payments Inc   101,317   12,867,259   38,762,142   62,852,760	Diversified Financial Services – 4.1%	,	, ,
WEX Inc*         199,240         38,762,142           Electric Utilities – 1.7%         62,852,760           Alliant Energy Corp         517,544         26,550,007           Electrical Equipment – 1.9%         47,976         7,101,408           Regal Beloit Corp         598,656         22,491,506           Sensata Technologies Holding PLC         598,656         22,491,506           Electronic Equipment, Instruments & Components – 5.8%         1,368,567         41,686,551           TE Connectivity Ltd         110,549         15,532,135           Teledyne Technologies Inc*         74,596         33,291,449           Poot, 10,135         11,0549         15,532,135           Entertainment – 1.8%         1,0549         15,532,135           Liberty Media Corp-Liberty Formula One - Series A*         41,105         2,383,268           Liberty Media Corp-Liberty Formula One - Series C*         41,105         2,383,268           Liberty Media Corp-Liberty Formula One - Series C*         81,794         11,618,838           Food & Staples Retailing – 0.8%         81,794         48,979,349           Dollar Tree Inc*         81,794         48,979,349           Health Care Equipment & Supplies – 9.3%         847,247         48,979,349           Cooper Cos Inc         3			
Electric Utilities = 1.7%		· · · · · · · · · · · · · · · · · · ·	
Electric Utilities - 1.7%	WEA INC	199,240	
Electrical Equipment = 1.9%   Regal Beloit Corp	Electric Utilities – 1.7%		02,002,100
Regal Beloit Corp       47,976       7,101,408         Sensata Technologies Holding PLC       598,656       22,491,506         Electronic Equipment, Instruments & Components – 5.8%       Flex Ltd*       1,368,567       41,686,551         TE Connectivity Ltd       110,549       15,532,135         Teledyne Technologies Inc*       74,596       33,291,449         Entertainment – 1.8%       41,105       2,383,268         Liberty Media Corp-Liberty Formula One - Series A*       415,127       26,206,968         Liberty Media Corp-Liberty Formula One - Series C*       415,127       26,206,968         Food & Staples Retailing – 0.8%       81,794       11,618,838         Health Care Equipment & Supplies – 9.3%       847,247       48,979,349         Boston Scientific Corp*       847,247       48,979,349         Cooper Cos Inc       39,891       15,096,350         Dentsply Sirona Inc       381,227       13,567,869         ICU Medical Inc*       103,035       10,276,711         STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307		517,544	26,550,007
Sensata Technologies Holding PLC       598,656       22,491,506         Electronic Equipment, Instruments & Components – 5.8%       29,592,914         Flex Ltd*       1,368,567       41,686,551         TE Connectivity Ltd       110,549       15,532,135         Teledyne Technologies Inc*       74,596       33,291,449         Entertainment – 1.8%       41,105       2,383,268         Liberty Media Corp-Liberty Formula One - Series A*       415,127       26,206,968         Liberty Media Corp-Liberty Formula One - Series C*       415,127       26,206,968         Food & Staples Retailing – 0.8%       81,794       11,618,838         Dollar Tree Inc*       81,794       11,618,838         Health Care Equipment & Supplies – 9.3%       847,247       48,979,349         Cooper Cos Inc       39,891       15,096,350         Dentsply Sirona Inc       381,227       13,567,869         ICU Medical Inc*       103,035       10,276,711         STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307		45.050	E 101 100
Electronic Equipment, Instruments & Components – 5.8% Flex Ltd* 1,368,567 41,686,551 TE Connectivity Ltd 110,549 15,532,135 Teledyne Technologies Inc* 74,596 33,291,449 Entertainment – 1.8% Liberty Media Corp-Liberty Formula One - Series A* Liberty Media Corp-Liberty Formula One - Series C* 415,127 26,206,968 Liberty Media Corp-Liberty Formula One - Series C* 415,127 26,206,968 Food & Staples Retailing – 0.8% Dollar Tree Inc* 81,794 11,618,838 Health Care Equipment & Supplies – 9.3% Boston Scientific Corp* 847,247 48,979,349 Cooper Cos Inc 39,891 15,096,350 Dentsply Sirona Inc 381,227 13,567,869 ICU Medical Inc* 103,035 10,276,711 STERIS PLC 65,584 14,418,642 Teleflex Inc			
Electronic Equipment, Instruments & Components - 5.8% Flex Ltd*	Sensata reciniologies riolding FEC	398,030	
TE Connectivity Ltd Teledyne Technologies Inc* Teledyne Teledyne Technologies Inc* Teledyne Teledyn Teledyne Te	Electronic Equipment, Instruments & Components – 5.8%		25,552,511
Teledyne Technologies Inc*       74,596       33,291,449         90,510,135         Entertainment – 1.8%       41,105       2,383,268         Liberty Media Corp-Liberty Formula One - Series C*       415,127       26,206,968         Liberty Media Corp-Liberty Formula One - Series C*       81,794       11,618,838         Food & Staples Retailing – 0.8%       81,794       11,618,838         Dollar Tree Inc*       847,247       48,979,349         Boston Scientific Corp*       847,247       48,979,349         Cooper Cos Inc       39,891       15,096,350         Dentsply Sirona Inc       381,227       13,567,869         ICU Medical Inc*       103,035       10,276,711         STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307		·	
Entertainment – 1.8%  Liberty Media Corp-Liberty Formula One - Series A* Liberty Media Corp-Liberty Formula One - Series C*  Liberty Media Corp-Liberty Formula One - Series C*  415,127  26,206,968  28,590,236  Food & Staples Retailing – 0.8%  Dollar Tree Inc*  Boston Scientific Corp*  Cooper Cos Inc  Dentsply Sirona Inc  Dentsply Sirona Inc  ICU Medical Inc*  103,035  10,276,711  STERIS PLC  Teleflex Inc  169,232  42,196,307			
Entertainment – 1.8%  Liberty Media Corp-Liberty Formula One - Series A* Liberty Media Corp-Liberty Formula One - Series C*  Liberty Media Corp-Liberty Formula One - Series C*  415,127  26,206,968  28,590,236  Food & Staples Retailing – 0.8% Dollar Tree Inc* 81,794  Health Care Equipment & Supplies – 9.3%  Boston Scientific Corp* Cooper Cos Inc 39,891 Cooper Cos Inc 39,891 15,096,350 Dentsply Sirona Inc ICU Medical Inc* 103,035 10,276,711 STERIS PLC 65,584 14,418,642 Teleflex Inc	releayne recnnologies inc	74,596	
Liberty Media Corp-Liberty Formula One - Series C*       415,127       26,206,968         Food & Staples Retailing – 0.8%       81,794       11,618,838         Dollar Tree Inc*       81,794       11,618,838         Health Care Equipment & Supplies – 9.3%       847,247       48,979,349         Boston Scientific Corp*       39,891       15,096,350         Cooper Cos Inc       39,891       15,096,350         Dentsply Sirona Inc       381,227       13,567,869         ICU Medical Inc*       103,035       10,276,711         STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307	Entertainment – 1.8%		30,310,103
Food & Staples Retailing – 0.8% Dollar Tree Inc*  Health Care Equipment & Supplies – 9.3%  Boston Scientific Corp* Cooper Cos Inc Dentsply Sirona Inc ICU Medical Inc* STERIS PLC Teleflex Inc  28,590,236  81,794 11,618,838  847,247 48,979,349 15,096,350 39,891 15,096,350 381,227 13,567,869 10,276,711 5TERIS PLC 65,584 14,418,642 Teleflex Inc	Liberty Media Corp-Liberty Formula One - Series A*	41,105	
Food & Staples Retailing – 0.8%       81,794       11,618,838         Dollar Tree Inc*       81,794       11,618,838         Health Care Equipment & Supplies – 9.3%       847,247       48,979,349         Boston Scientific Corp*       39,891       15,096,350         Cooper Cos Inc       381,227       13,567,869         ICU Medical Inc*       103,035       10,276,711         STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307	Liberty Media Corp-Liberty Formula One - Series C*	415,127	
Dollar Tree Inc*       81,794       11,618,838         Health Care Equipment & Supplies – 9.3%       847,247       48,979,349         Boston Scientific Corp*       39,891       15,096,350         Cooper Cos Inc       381,227       13,567,869         ICU Medical Inc*       103,035       10,276,711         STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307	Food & Stoples Potalling 0.00%		28,590,236
Health Care Equipment & Supplies – 9.3%       847,247       48,979,349         Boston Scientific Corp*       39,891       15,096,350         Cooper Cos Inc       381,227       13,567,869         ICU Medical Inc*       103,035       10,276,711         STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307		81 794	11618838
Boston Scientific Corp*       847,247       48,979,349         Cooper Cos Inc       39,891       15,096,350         Dentsply Sirona Inc       381,227       13,567,869         ICU Medical Inc*       103,035       10,276,711         STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307		01,104	1 1,0 10,000
Dentsply Sirona Inc       381,227       13,567,869         ICU Medical Inc*       103,035       10,276,711         STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307	Boston Scientific Corp*		
ICU Medical Inc*       103,035       10,276,711         STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307		•	
STERIS PLC       65,584       14,418,642         Teleflex Inc       169,232       42,196,307			
Teleflex Inc 169,232 42,196,307			
		•	
		•	

See Notes to Schedule of Investments and Other Information and Notes to Financial Statements.

	Shares	Value
Common Stocks- (continued)	Silales	value
Hotels, Restaurants & Leisure – 1.9% Aramark	629,923	\$17,700,836
Entain PLC	934,019	11,834,145
		29,534,981
Information Technology Services – 5.4%	396,235	34,825,094
Amdocs Ltd GoDaddy Inc*	461,222	48,963,328
accase, inc	101,222	83,788,422
Insurance – 5.3%	070.000	40.050.404
Intact Financial Corp Ryan Specialty Group Holdings Inc - Class A*	273,326 175,683	42,056,184 7,557,883
WR Berkley Corp	466,546	32,994,133
	·	82,608,200
Interactive Media & Services – 0.4%	101.400	0.017.005
Ziff Davis Inc* Life Sciences Tools & Services – 4.9%	101,468	6,817,635
Avantor Inc*	825,636	18,849,270
Illumina Inc*	72,346	10,073,457
PerkinElmer Inc Waters Corp*	298,824 43,954	32,664,451 14,470,975
waters corp	45,954	76,058,153
Machinery – 4.7%		
Fortive Corp	256,477	18,884,402
Ingersoll Rand Inc Wabtec Corp	351,047 213,068	27,149,975 27,038,329
1145.00 Go.p	2 : 0,0 00	73,072,706
Multi-Utilities – 1.3%	005.400	00 555 005
Ameren Corp Oil, Gas & Consumable Fuels – 1.5%	287,190	20,775,325
ONEOK Inc	330,925	23,237,553
Pharmaceuticals – 0.8%		
Catalent Inc* Professional Services – 6.5%	275,578	12,381,720
Broadridge Financial Solutions Inc	145,740	29,986,005
Ceridian HCM Holding Inc*	270,759	18,173,344
SS&C Technologies Holdings Inc TransUnion	690,021 150,065	42,167,183
Transomon	159,265	10,943,098 101,269,630
Road & Rail - 3.6%		101,200,000
JB Hunt Transport Services Inc	175,744	35,103,107
TFI International Inc	147,782	20,095,396 55,198,503
Semiconductor & Semiconductor Equipment – 8.5%		00,100,000
KLA Corp	26,964	15,674,173
Lam Research Corp Microchip Technology Inc	18,775 310,917	14,705,707 28,038,495
NXP Semiconductors NV	146,021	33,538,103
ON Semiconductor Corp*	477,356	39,873,547
Cathuran 7 10/		131,830,025
Software – 7.1% Atlassian Corp - Class A*	33,719	8,020,401
Constellation Software Inc/Canada	27,394	67,927,154
Dynatrace Inc*	187,561	10,257,711
Nice Ltd (ADR)* Topicus.com Inc*	95,846 68,941	19,122,235 4,643,592
ropicus.com me	00,941	109,971,093
Specialized Real Estate Investment Trusts (REITs) - 1.4%		
Lamar Advertising Co	201,096	21,372,483

See Notes to Schedule of Investments and Other Information and Notes to Financial Statements.

	Shares	Value
Common Stocks- (continued)		
Specialty Retail – 2.3%		
Burlington Stores Inc*	59,991	\$11,667,050
CarMax Inc*	287,418	22,056,457
Wayfair Inc - Class A*	19,053	1,175,570
		34,899,077
Textiles, Apparel & Luxury Goods – 0.9%		
Gildan Activewear Inc	415,376	13,732,331
Trading Companies & Distributors – 2.1%		
Ferguson PLC	166,856	32,214,888
Total Common Stocks (cost \$954,703,365)		1,522,666,965
Warrants- 0%		
Software – 0%		
Constellation Software Inc/Canada, expires 3/31/40*,6 (cost \$0)	27,541	2
Investment Companies – 2.1%		
Money Markets – 2.1%		
Janus Henderson Cash Liquidity Fund LLC, 5.3879%°,£ (cost \$33,639,419)	33,634,450	33,641,177
Total Investments (total cost \$988,342,784) – 100.2%	·	1,556,308,144
Liabilities, net of Cash, Receivables and Other Assets - (0.2)%		(3,743,738)
Net Assets – 100%		\$1,552,564,406

## Summary of Investments by Country - (Long Positions) (unaudited)

		% of Investment
Country	Value	Securities
United States	\$1,304,603,066	83.8 %
Canada	161,239,077	10.4
United Kingdom	30,735,505	2.0
Ireland	19,426,685	1.2
Israel	19,122,235	1.2
Belgium	10,873,450	0.7
Denmark	10,308,126	0.7
Total	\$1,556,308,144	100.0 %

## Schedules of Affiliated Investments – (% of Net Assets)

		Dividend Income	Realized Gain/(Loss)	Change in Unrealized Appreciation/ Depreciation	Value at 12/31/23
Investment Companies - 2.1% Money Markets - 2.1%					
Janus Henderson Cash Liquidity Fund LLC, 5.3879‰	\$	2,013,205	\$ 3,126	\$ (3,042)	\$ 33,641,177
Investments Purchased with Cash Collateral fro Investment Companies - N/A	om Securit	ies Lending - N/A			
Janus Henderson Cash Collateral Fund LLC, 5.2936%°		10,871△	-	-	<u> </u>
Total Affiliated Investments - 2.1%	\$	2,024,076	\$ 3,126	\$ (3,042)	\$ 33,641,177

	Value at 12/31/22	Purchases	Sales Proceeds	Value at 12/31/23
Investment Companies - 2.1% Money Markets - 2.1%				
Janus Henderson Cash Liquidity Fund LLC, 5.3879‰	40,155,127	180,861,053	(187,375,087)	33,641,177
Investments Purchased with Cash Collateral from Solvestment Companies - N/A	Securities Lending - N/A			
Janus Henderson Cash Collateral Fund LLC, 5.2936% <sup>∞</sup>	5,597,967	117,353,005	(122,950,972)	

## Schedule of Forward Foreign Currency Exchange Contracts

Settlement Date	Foreign Currency Amount (Sold)/ Purchased		USD Currency Amount (Sold)/ Purchased		Market Value and Unrealized Appreciation/ (Depreciation)
1/18/94	1.092.000	\$	(798 678)	\$	25,757
		Ψ		Ψ	(33,218)
					31,400
17 107 24	000,000		(104,210)		23,939
					,
1/18/24	(10,624,000)		7,765,480		(255,397)
1/18/24	704,000		(749,357)		28,294
1/18/24	(4,689,000)		4,956,853		(222,698)
					(449,801)
1/18/24	380,000		(401,747)		18,007
1/18/24	1,672,000		(1,252,834)		9,488
1/18/24	(8,016,000)		5,857,665		(194,231)
1/18/24	2,922,000		(3,214,032)		13,660
1/18/24	(5,639,000)		5,964,887		(264,051)
					(435,134)
1 /10 /04	(070,000)		404 505		(10,000)
			•		(16,333)
1/18/24	(3,952,000)		4,231,757		(133,691) (150,024)
					(100,024)
1/18/24	(9.237.000)		6.757.103		(216,621)
					(207,536)
., 10, 2 1	(0,20.1,100)		0,000,022		(424,157)
1/18/24	(13,935,000)		10,174,692		(345,915)
1/18/24	662,000		(703,147)		28,110
1/18/24	(1,301,000)		1,445,895		8,788
1/18/24	(8,153,400)		8,663,209		(343,179)
					(652,196)
1/18/24	107,000		(78,265)		2,518
1/18/24	(423,000)		447,433		(19,820)
	Date  1/18/24	Settlement Date         Amount (Sold)/ Purchased           1/18/24         1,092,000           1/18/24         (1,353,000)           1/18/24         666,000           1/18/24         704,000           1/18/24         704,000           1/18/24         380,000           1/18/24         1,672,000           1/18/24         (8,016,000)           1/18/24         (5,639,000)           1/18/24         (3,952,000)           1/18/24         (3,952,000)           1/18/24         (5,201,400)           1/18/24         (13,935,000)           1/18/24         (13,01,000)           1/18/24         (8,153,400)           1/18/24         107,000	Settlement Date         Amount (Sold)/ Purchased           1/18/24         1,092,000 \$           1/18/24         (1,353,000)           1/18/24         666,000           1/18/24         (10,624,000)           1/18/24         704,000           1/18/24         (4,689,000)           1/18/24         1,672,000           1/18/24         (8,016,000)           1/18/24         (5,639,000)           1/18/24         (673,000)           1/18/24         (3,952,000)           1/18/24         (5,201,400)           1/18/24         (13,935,000)           1/18/24         (13,935,000)           1/18/24         (13,01,000)           1/18/24         (1,301,000)           1/18/24         (8,153,400)	Settlement Date         Amount (Sold)/Purchased         Amount (Sold)/Purchased           1/18/24         1,092,000         \$ (798,678)           1/18/24         (1,353,000)         988,266           1/18/24         666,000         (704,276)           1/18/24         (10,624,000)         7,765,480           1/18/24         704,000         (749,357)           1/18/24         (4,689,000)         4,956,853           1/18/24         1,672,000         (1,252,834)           1/18/24         (8,016,000)         5,857,665           1/18/24         (9,016,000)         5,957,665           1/18/24         (5,639,000)         5,964,887           1/18/24         (673,000)         491,767           1/18/24         (3,952,000)         4,231,757           1/18/24         (5,201,400)         5,538,022           1/18/24         (13,935,000)         10,174,692           1/18/24         (13,01,000)         1,445,895           1/18/24         (1,301,000)         1,445,895           1/18/24         (8,153,400)         8,663,209           1/18/24         107,000         (78,265)	Settlement Date         Amount (Sold)/ Purchased         Amount (Sold)/ Purchased           1/18/24         1,092,000         \$ (798,678)         \$ 1/18/24           1/18/24         (1,353,000)         988,266           1/18/24         666,000         (704,276)           1/18/24         (10,624,000)         7,765,480           1/18/24         704,000         (749,357)           1/18/24         4,689,000)         4,956,853           1/18/24         1,672,000         (1,252,834)           1/18/24         1,672,000         (3,214,032)           1/18/24         2,922,000         (3,214,032)           1/18/24         (5,639,000)         5,964,887           1/18/24         (673,000)         491,767           1/18/24         (3,952,000)         4,231,757           1/18/24         (5,201,400)         5,538,022           1/18/24         (5,201,400)         5,538,022           1/18/24         (62,000         (703,147)           1/18/24         (1,301,000)         1,445,895           1/18/24         (8,153,400)         8,663,209           1/18/24         (8,153,400)         8,663,209

See Notes to Schedule of Investments and Other Information and Notes to Financial Statements.

Counterparty/ Foreign Currency	Settlement Date	Foreign Currency Amount (Sold)/ Purchased		USD Currency Amount (Sold)/ Purchased	Market Value and Unrealized Appreciation/ (Depreciation)
State Street Bank and Trust Company:					
Canadian Dollar	1/18/24	1,370,000	\$	(995,145)	39,174
Canadian Dollar	1/18/24	1,476,000		(1,115,359)	(1,013)
Canadian Dollar	1/18/24	(13,550,000)		9,903,472	(326,468)
Euro	1/18/24	1,056,000		(1,163,730)	2,746
Euro	1/18/24	(9,515,000)		10,066,023	(444,412)
					(729,973)
Total			•	\$	(2,816,641)

## Schedule of Total Return Swaps

							Swap
						Co	ontracts, at
							Value and
Counterparty/							Unrealized
Return Paid	Return Received	Payment	Termination	Notional		$Ap_i$	preciation/
by the Portfolio	by the Portfolio	Frequency	Date	Amount		(De	preciation)
UBS AG, London Branch:							
Euro short-term rate + 0.55%	Ryanair Holdings PLC	At Maturity	1/8/25	2,042,841	EUR	\$	23,893

The following table, grouped by derivative type, provides information about the fair value and location of derivatives within the Statement of Assets and Liabilities as of December 31, 2023.

## Fair Value of Derivative Instruments (not accounted for as hedging instruments) as of December 31, 2023

	Currency	Equity	
	Contracts	Contracts	Total
Asset Derivatives:			
Forward foreign currency exchange			
contracts	\$ 207,942	\$ -	\$ 207,942
Swaps - OTC, at value	-	23,893	\$ 23,893
Total Asset Derivatives	\$ 207,942	\$23,893	\$ 231,835
Liability Derivatives:			
Forward foreign currency exchange			
contracts	\$3,024,583	\$ -	\$3,024,583

The following tables provide information about the effect of derivatives and hedging activities on the Portfolio's Statement of Operations for the year ended December 31, 2023.

# The effect of Derivative Instruments (not accounted for as hedging instruments) on the Statement of Operations for the year ended December 31, 2023

Amount of Realized Gain/(Loss) Recognized on Derivatives

	Currency	Equity	
Derivative	Contracts	Contracts	Total
Forward foreign currency exchange contracts	\$ 1,415,870	\$ -	\$ 1,415,870

Amount of Change in Unrealized Appreciation/Depreciation Recognized on Derivatives

	Currency	Equity	
Derivative	Contracts	Contracts	Total
Forward foreign currency exchange contracts	\$(2,483,023)	\$ -	\$(2,483,023)
Swap contracts	-	23,893	\$ 23,893
Total	\$(2,483,023)	\$23,893	\$(2,459,130)

Please see the "Net Realized Gain/(Loss) on Investments" and "Change in Unrealized Net Appreciation/Depreciation" sections of the Portfolio's Statement of Operations.

## Average Ending Monthly Value of Derivative Instruments During the Year Ended December 31, 2023

Forward foreign currency exchange contracts:	
Average amounts purchased - in USD	\$10,388,473
Average amounts sold - in USD	79,068,299
Total return swaps:	
Average notional amount	157,142

## Offsetting of Financial Assets and Derivative Assets

	Gross Amounts of Recognized	Offsetting Asset	Collateral	
Counterparty	Assets	or Liability <sup>(a)</sup>	Pledged <sup>(b)</sup>	Net Amount
Bank of America, National Association	\$ 57,157	\$ (33,218)	\$ _	\$ 23,939
Barclays Capital, Inc.	28,294	(28,294)	_	_
BNP Paribas	18,007	_	_	18,007
Citibank, National Association	23,148	(23,148)	_	_
JPMorgan Chase Bank, National Association	36,898	(36,898)	_	_
Morgan Stanley & Co. International PLC	2,518	(2,518)	_	_
State Street Bank and Trust Company	41,920	(41,920)	_	_
UBS AG, London Branch	23,893	_	_	23,893
Total	\$ 231,835	\$ (165,996)	\$ _	\$ 65,839

## Offsetting of Financial Liabilities and Derivative Liabilities

	Gross Amounts of Recognized	Offsetting Asset	Collateral	
Counterparty	Liabilities	or Liability <sup>(a)</sup>	Pledged <sup>(b)</sup>	Net Amount
Bank of America, National Association	\$ 33,218	\$ (33,218)	\$ _	\$ _
Barclays Capital, Inc.	478,095	(28,294)	_	449,801
Citibank, National Association	458,282	(23,148)	_	435,134
Goldman Sachs & Co. LLC	150,024	_	_	150,024
HSBC Securities (USA), Inc.	424,157	_	_	424,157
JPMorgan Chase Bank, National Association	689,094	(36,898)	_	652,196
Morgan Stanley & Co. International PLC	19,820	(2,518)	_	17,302
State Street Bank and Trust Company	771,893	(41,920)	_	729,973
Total	\$ 3,024,583	\$ (165,996)	\$ _	\$ 2,858,587

<sup>(</sup>a) Represents the amount of assets or liabilities that could be offset with the same counterparty under master netting or similar agreements that management elects not to offset on the Statement of Assets and Liabilities.

<sup>(</sup>b) Collateral pledged is limited to the net outstanding amount due to/from an individual counterparty. The actual collateral amounts pledged may exceed these amounts and may fluctuate in value.

## **Notes to Schedule of Investments and Other Information**

Russell Midcap® Growth Index Russell Midcap® Growth Index reflects the performance of U.S. mid-cap equities with higher price-to-book

ratios and higher forecasted growth values.

ADR American Depositary Receipt

LLC Limited Liability Company

PLC Public Limited Company

- Non-income producing security.
- Rate shown is the 7-day yield as of December 31, 2023.
- \$\text{\$c}\$ Security is valued using significant unobservable inputs. The total value of Level 3 securities as of the year ended December 31, 2023 is \$2, which represents 0.0% of net assets.
- The Portfolio may invest in certain securities that are considered affiliated companies. As defined by the Investment Company Act of 1940, as amended, an affiliated company is one in which the Portfolio owns 5% or more of the outstanding voting securities, or a company which is under common ownership or control.
- $\Delta$  Net of income paid to the securities lending agent and rebates paid to the borrowing counterparties.

## Notes to Schedule of Investments and Other Information

The following is a summary of the inputs that were used to value the Portfolio's investments in securities and other financial instruments as of December 31, 2023. See Notes to Financial Statements for more information.

## **Valuation Inputs Summary**

	Level 1 - Quoted Prices	Level 2 - Other Significant Observable Inputs	Unobs	Level 3 - Significant servable Inputs
Assets				
Investments In Securities:				
Common Stocks	\$ 1,522,666,965	\$ -	\$	-
Warrants	-	-		2
Investment Companies	 -	33,641,177		_
Total Investments in Securities	\$ 1,522,666,965	\$ 33,641,177	\$	2
Other Financial Instruments(a):				
OTC Swaps	-	23,893		-
Forward Foreign Currency Exchange Contracts	-	207,942		-
Total Assets	\$ 1,522,666,965	\$ 33,873,012	\$	2
Liabilities				
Other Financial Instruments <sup>(a)</sup> : Forward Foreign Currency Exchange Contracts	\$ -	\$ 3,024,583	\$	<u>-</u>

<sup>(</sup>a) Other financial instruments may include forward foreign currency exchange contracts, futures, written options, written swaptions, and swap contracts. Forward foreign currency exchange contracts, futures contracts, and swap contracts are reported at their unrealized appreciation/(depreciation) at measurement date, which represents the change in the contract's value from trade date. Written options and written swaptions are reported at their market value at measurement date.

# Janus Henderson VIT Enterprise Portfolio Statement of Assets and Liabilities December 31, 2023

Liabilities:         3,024,583           Forward foreign currency exchange contracts         3,024,583           Payables:         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Trustees' deferred compensation fees         42,611           Affiliated portfolio administration fees payable         3,317           Trustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         74,579           Total Liabilities         5,491,198           Net Assets         \$ 1,552,564,406           Net Assets Consist of:         \$ 900,241,151           Capital (par value and paid-in surplus)         \$ 900,241,151           Total distributable earnings (loss)         652,323,255           Total Net Assets         \$ 1,552,564,406           Net Assets - Institutional Shares         \$ 636,056,412           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)         8,312,215           Net Asset Value Per Share         \$ 76,52           Net Assets - Service Shares         9 16,507,994	Assets:	
Cash         20           Forward foreign currency exchange contracts         207,942           OTC swap contracts, at value (net premium received \$0)         23,839           Trustees' deferred compensation         42,611           Receivables:         TUB           Dividends         750,886           Portfolio shares sold         570,370           Dividends from affiliates         15,881           Total Assets         1,588,055,604           Liabilities:         1           Forward foreign currency exchange contracts         3,024,583           Payables:         1,183,535           Portfolio shares repurchased         3,024,583           Payables:         1,183,535           Advisory fees         1,83,535           Advisory fees         1,83,535           Advisory fees         1,83,535           Transfer agent fees and expenses         1,96,356           Transfer agent fees and expenses         8,850           Professional fees         4,5121           Trustees' deferred compensation fees         4,521           Trustees' ges and expenses         1,701           Custodian fees         4,752           Actual distribution daministration fees payable         3,175,254 <tr< td=""><td>Unaffiliated investments, at value (cost \$954,703,365)</td><td>\$ 1,522,666,967</td></tr<>	Unaffiliated investments, at value (cost \$954,703,365)	\$ 1,522,666,967
Forward foreign currency exchange contracts         207,942           OTC wap contracts, at value (net premium received \$0)         23,893           Trustees' deferred compensation         42,611           Receivables:         ****           Dividends         750,886           Portfolio shares sold         570,370           Dividends from affiliates         135,887           Other assets         1,5881           Total Assets         1,558,055,604           Liabilities:         ***           Forward foreign currency exchange contracts         3,024,583           Payables:         ***           Portfolio shares repurchased         1,183,535           Advisory fees         849,143           12- D Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Trustees' deferred compensation fees         45,121           Trustees' deferred compensation fees payable         3,317           Tustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         5,491,198           Net Assets Consist of:         5,491,198           Capital	Affiliated investments, at value (cost \$33,639,419)	33,641,177
OTC swap contracts, at value (net premium received \$0)         23,833           Trustees' deferred compensation         42,611           Receivables:         570,886           Dividends         750,886           Portfolio shares sold         570,370           Dividends from affiliates         135,857           Other assets         1,5881           Total Assets         1,558,055,604           Liabilities:         ***           Forward foreign currency exchange contracts         3,024,583           Payables:         ***           Portfolio shares repurchased         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Tytustees' deferred compensation fees         45,121           Affiliated portfolio administration fees payable         3,317           Trustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         5,491,198           Net Assets         \$ 1,552,564,406           Net Assets of Sees and expenses         \$ 1,552,564,406           Net Asse	Cash	20
Trustees' deferred compensation         42,611           Receivables:         750,886           Dividends         750,886           Portfolio shares sold         570,370           Dividends from affiliates         135,887           Other assets         1,5881           Total Assets         1,558,055,604           Liabilities:         ***           Forward foreign currency exchange contracts         3,024,583           Payables:         ***           Portfolio shares repurchased         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Affiliated portfolio administration fees payable         3,317           Trustees' feer and expenses         1,701           Custodian fees         1,701           Accrued expenses and other payables         74,579           Total Liabilities         5,491,198           Net Assets         \$0,524,198           Net Assets Consist of:         \$0,522,323,255           Capital (par value and paid-in surplus)         \$0,232,255           Total Net Assets         \$0,522,323,255	Forward foreign currency exchange contracts	207,942
Receivables:         750,886           Portfolio shares sold         570,370           Dividends from affiliates         135,857           Other assets         1,558,055,604           Liabilities:         1,558,055,604           Forward foreign currency exchange contracts         3,024,583           Payables:         ***           Portfolio shares repurchased         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         42,611           Affiliated portfolio administration fees payable         3,317           Trustees' deferred compensation fees payable         3,317           Trustees' dese and expenses         1,402           Accrued expenses and other payables         74,579           Total Liabilities         5,491,198           Net Assets         \$ 90,241,151           Total distributable earnings (loss)         652,323,255           Total I distributable earnings (loss)         652,323,255           Total Net Assets         \$ 1,552,564,406           Net Assets - Institutional Shares         \$ 636,056,412           Shares Outstanding, \$0,001 Par Value (unlimited shar	OTC swap contracts, at value (net premium received \$0)	23,893
Dividends         750,886           Portfolio shares sold         570,370           Dividends from affiliates         135,857           Other assets         15,881           Totla Assets         1,588,055,604           Liabilities:         ****           Forward foreign currency exchange contracts         3,024,583           Payables:         ****           Portfolio shares repurchased         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Trustees' deferred compensation fees         42,611           Affiliated portfolio administration fees payable         3,317           Trustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         74,579           Total Liabilities         5,491,198           Net Assets         \$0,525,564,406           Net Assets Consist of:         \$0,522,323,255           Capital (par value and paid-in surplus)         \$0,522,323,255           Total Net Assets         \$0,522,323,255           Total Net Assets - Instituti	Trustees' deferred compensation	42,611
Portfolio shares sold         577,370           Dividends from affiliates         135,857           Other assets         1,588,055,604           Liabilities:         1,558,055,604           Forward foreign currency exchange contracts         3,024,583           Payables:         Portfolio shares repurchased         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Tustees' deferred compensation fees         42,611           Affiliated portfolio administration fees payable         3,317           Trustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         74,579           Total Liabilities         5,491,198           Net Assets         \$ 1,552,564,406           Net Assets Consist of:         \$ 90,0241,151           Capital (par value and paid-in surplus)         \$ 652,323,255           Total distributable earnings (loss)         652,323,255           Total Net Assets         \$ 1,552,564,406           Net Assets - Institutional Shares         \$ 636,056,412           Sha	Receivables:	
Dividends from affiliates         135,857           Other assets         15,881           Total Assets         1,558,055,604           Liabilities         3,024,583           Porward foreign currency exchange contracts         3,024,583           Payables:         11,83,535           Portfolio shares repurchased         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Trustees' deferred compensation fees         42,611           Affiliated portfolio administration fees payable         3,317           Trustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         74,579           Total Liabilities         5,491,198           Net Assets         1,552,564,406           Net Assets Consist of:         900,241,151           Capital (par value and paid-in surplus)         652,332,255           Total (sitributable earnings (loss)         652,332,255           Total Net Assets         1,552,564,406           Net Assets - Institutional Shares         636,056,412	Dividends	750,886
Other assets         15,881           Total Assets         1,558,055,604           Liabilities:         - 1,558,055,604           Forward foreign currency exchange contracts         3,024,583           Payables:         - Portfolio shares repurchased         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Trustees' deferred compensation fees         42,611           Affiliated portfolio administration fees payable         3,317           Trustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         74,579           Otal Liabilities         5,491,198           Net Assets         1,552,564,406           Net Assets Consist of:         \$900,241,151           Capital (par value and paid-in surplus)         \$900,241,151           Total distributable earnings (loss)         652,232,255           Total Net Assets         \$90,241,52           Total very Assets         \$90,241,52           Total distributable earnings (loss)         \$62,232,255 <th< td=""><td>Portfolio shares sold</td><td>570,370</td></th<>	Portfolio shares sold	570,370
Total Assets         1,558,055,604           Liabilities:         3,024,583           Forward foreign currency exchange contracts         3,024,583           Payables:         9ortfolio shares repurchased         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Trustees' deferred compensation fees         42,611           Affiliated portfolio administration fees payable         3,317           Trustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         74,579           Total Liabilities         5,491,198           Net Assets         \$1,552,564,406           Net Assets Consist of:         Capital (par value and paid-in surplus)         \$900,241,151           Total distributable earnings (loss)         652,323,255           Total Net Assets         \$636,056,412           Shares Outstanding, \$0,001 Par Value (unlimited shares authorized)         8,312,215           Net Asset Value Per Share         \$916,507,994           Net Assets - Service Shares         \$916,507,994	Dividends from affiliates	135,857
Liabilities:         3,024,583           Forward foreign currency exchange contracts         3,024,583           Payables:	Other assets	15,881
Forward foreign currency exchange contracts         3,024,583           Payables:         1,183,535           Port folio shares repurchased         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Trustees' deferred compensation fees         42,611           Affiliated portfolio administration fees payable         3,317           Trustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         74,579           Total Liabilities         5,491,198           Net Assets         \$ 900,241,151           Total distributable earnings (loss)         \$ 900,241,151           Total Net Assets         \$ 900,241,151           Total Net Assets         \$ 900,241,151           Shares Outstanding, \$0,001 Par Value (unlimited shares authorized)         8,312,215           Net Assets - Institutional Shares         \$ 636,056,412           Shares Outstanding, \$0,001 Par Value (unlimited shares authorized)         8,312,215           Net Assets - Service Shares         \$ 916,507,994	Total Assets	1,558,055,604
Payables:         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Trustees' deferred compensation fees         42,611           Affiliated portfolio administration fees payable         3,317           Trustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         74,579           Total Liabilities         5,491,198           Net Assets         \$1,552,564,406           Net Assets Consist of:         \$00,241,151           Capital (par value and paid-in surplus)         \$00,241,151           Total distributable earnings (loss)         652,323,255           Total Net Assets         \$1,552,564,406           Net Assets - Institutional Shares         \$36,056,412           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)         \$312,215           Net Asset Value Per Share         \$76,52           Net Assets - Service Shares         \$916,507,994	Liabilities:	
Portfolio shares repurchased         1,183,535           Advisory fees         849,143           12b-1 Distribution and shareholder servicing fees         196,356           Transfer agent fees and expenses         68,850           Professional fees         45,121           Trustees' deferred compensation fees         42,611           Affiliated portfolio administration fees payable         3,317           Trustees' fees and expenses         1,701           Custodian fees         1,402           Accrued expenses and other payables         74,579           Total Liabilities         5,491,198           Net Assets         \$1,552,564,406           Net Assets Consist of:         2           Capital (par value and paid-in surplus)         \$900,241,151           Total distributable earnings (loss)         652,323,255           Total Net Assets         \$1,552,564,406           Net Assets - Institutional Shares         \$66,056,412           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)         8,312,215           Net Assets - Service Shares         \$916,507,994	Forward foreign currency exchange contracts	3,024,583
Advisory fees       849,143         12b-1 Distribution and shareholder servicing fees       196,356         Transfer agent fees and expenses       68,850         Professional fees       45,121         Trustees' deferred compensation fees       42,611         Affiliated portfolio administration fees payable       3,317         Trustees' fees and expenses       1,701         Custodian fees       1,402         Accrued expenses and other payables       74,579         Total Liabilities       5,491,198         Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76,52         Net Assets - Service Shares       916,507,994	Payables:	
12b-1 Distribution and shareholder servicing fees       196,356         Transfer agent fees and expenses       68,850         Professional fees       45,121         Trustees' deferred compensation fees       42,611         Affiliated portfolio administration fees payable       3,317         Trustees' fees and expenses       1,701         Custodian fees       1,402         Accrued expenses and other payables       74,579         Total Liabilities       5,491,198         Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 5,52,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76,52         Net Assets - Service Shares       \$ 916,507,994	Portfolio shares repurchased	1,183,535
Transfer agent fees and expenses       68,850         Professional fees       45,121         Trustees' deferred compensation fees       42,611         Affiliated portfolio administration fees payable       3,317         Trustees' fees and expenses       1,701         Custodian fees       1,402         Accrued expenses and other payables       74,579         Total Liabilities       5,491,198         Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76.52         Net Assets - Service Shares       \$ 916,507,994	Advisory fees	849,143
Professional fees       45,121         Trustees' deferred compensation fees       42,611         Affiliated portfolio administration fees payable       3,317         Trustees' fees and expenses       1,701         Custodian fees       1,402         Accrued expenses and other payables       74,579         Total Liabilities       5,491,198         Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76.52         Net Assets - Service Shares       9 16,507,994	12b-1 Distribution and shareholder servicing fees	196,356
Trustees' deferred compensation fees       42,611         Affillated portfolio administration fees payable       3,317         Trustees' fees and expenses       1,701         Custodian fees       1,402         Accrued expenses and other payables       74,579         Total Liabilities       5,491,198         Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76.52         Net Assets - Service Shares       \$ 916,507,994	Transfer agent fees and expenses	68,850
Affiliated portfolio administration fees payable       3,317         Trustees' fees and expenses       1,701         Custodian fees       1,402         Accrued expenses and other payables       74,579         Total Liabilities       5,491,198         Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76.52         Net Assets - Service Shares       \$ 916,507,994	Professional fees	45,121
Trustees' fees and expenses       1,701         Custodian fees       1,402         Accrued expenses and other payables       74,579         Total Liabilities       5,491,198         Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76.52         Net Assets - Service Shares       \$ 916,507,994	Trustees' deferred compensation fees	42,611
Custodian fees       1,402         Accrued expenses and other payables       74,579         Total Liabilities       5,491,198         Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76.52         Net Assets - Service Shares       \$ 916,507,994	Affiliated portfolio administration fees payable	3,317
Accrued expenses and other payables       74,579         Total Liabilities       5,491,198         Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76.52         Net Assets - Service Shares       \$ 916,507,994	Trustees' fees and expenses	1,701
Total Liabilities       5,491,198         Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76.52         Net Assets - Service Shares       \$ 916,507,994	Custodian fees	1,402
Net Assets       \$ 1,552,564,406         Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76.52         Net Assets - Service Shares       \$ 916,507,994	Accrued expenses and other payables	74,579
Net Assets Consist of:       \$ 900,241,151         Capital (par value and paid-in surplus)       \$ 900,241,151         Total distributable earnings (loss)       652,323,255         Total Net Assets       \$ 1,552,564,406         Net Assets - Institutional Shares       \$ 636,056,412         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,312,215         Net Asset Value Per Share       \$ 76.52         Net Assets - Service Shares       \$ 916,507,994	Total Liabilities	5,491,198
Capital (par value and paid-in surplus)\$ 900,241,151Total distributable earnings (loss)652,323,255Total Net Assets\$ 1,552,564,406Net Assets - Institutional Shares\$ 636,056,412Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)8,312,215Net Asset Value Per Share\$ 76.52Net Assets - Service Shares\$ 916,507,994	Net Assets	\$ 1,552,564,406
Total distributable earnings (loss)  Total Net Assets  Net Assets - Institutional Shares  Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)  Net Asset Value Per Share  Net Assets - Service Shares  \$ 76.52  Net Assets - Service Shares  \$ 916,507,994	Net Assets Consist of:	
Total Net Assets\$ 1,552,564,406Net Assets - Institutional Shares\$ 636,056,412Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)8,312,215Net Asset Value Per Share\$ 76.52Net Assets - Service Shares\$ 916,507,994	Capital (par value and paid-in surplus)	\$ 900,241,151
Net Assets - Institutional Shares\$ 636,056,412Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)8,312,215Net Asset Value Per Share\$ 76.52Net Assets - Service Shares\$ 916,507,994	Total distributable earnings (loss)	652,323,255
Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)  Net Asset Value Per Share  Net Assets - Service Shares  \$ 76.52  Net Assets - Service Shares	Total Net Assets	\$ 1,552,564,406
Net Asset Value Per Share \$ 76.52 Net Assets - Service Shares \$ 916,507,994	Net Assets - Institutional Shares	\$ 636,056,412
Net Assets - Service Shares \$ 916,507,994	Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)	8,312,215
		\$ 76.52
Shares Outstanding \$0.001 Par Value (unlimited shares authorized)	Net Assets - Service Shares	\$ 916,507,994
011a103 Outstanding, \$\psi.0001 1 at value (unininited shales authorized) 10,404,200	Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)	13,404,263
Net Asset Value Per Share \$ 68.37		\$ 68.37

# Janus Henderson VIT Enterprise Portfolio Statement of Operations For the year ended December 31, 2023

Investment Income:	
Dividends	\$ 16,307,362
Dividends from affiliates	2,013,205
Affiliated securities lending income, net	10,871
Unaffiliated securities lending income, net	3,945
Other income	2,124
Foreign tax withheld	(589,903)
Total Investment Income	17,747,604
Expenses:	
Advisory fees	9,350,039
12b-1 Distribution and shareholder servicing fees:	
Service Shares	2,149,648
Transfer agent administrative fees and expenses:	
Institutional Shares	300,567
Service Shares	429,905
Other transfer agent fees and expenses:	
Institutional Shares	12,402
Service Shares	12,145
Shareholder reports expense	79,085
Professional fees	65,817
Affiliated portfolio administration fees	46,962
Custodian fees	34,381
Trustees' fees and expenses	34,014
Registration fees	18,884
Other expenses	111,701
Total Expenses	12,645,550
Net Investment Income/(Loss)	5,102,054
Net Realized Gain/(Loss) on Investments:	
Investments and foreign currency transactions	71,187,138
Investments in affiliates	3,126
Forward foreign currency exchange contracts	1,415,870
Total Net Realized Gain/(Loss) on Investments	72,606,134
Change in Unrealized Net Appreciation/Depreciation:	
Investments, foreign currency translations and Trustees' deferred compensation	165,157,942
Investments in affiliates	(3,042)
Forward foreign currency exchange contracts	(2,483,023)
Swap contracts	23,893
Total Change in Unrealized Net Appreciation/Depreciation	162,695,770
Net Increase/(Decrease) in Net Assets Resulting from Operations	\$ 240,403,958

# Janus Henderson VIT Enterprise Portfolio Statements of Changes in Net Assets

	Year ended December 31, 2023	Year ended December 31, 2022
Operations:	,	,
Net investment income/(loss)	\$ 5,102,054	\$ 2,045,248
Net realized gain/(loss) on investments	72,606,134	106,953,153
Change in unrealized net appreciation/depreciation	162,695,770	(389,777,120)
Net Increase/(Decrease) in Net Assets Resulting from Operations	240,403,958	(280,778,719)
Dividends and Distributions to Shareholders:		
Institutional Shares	(41,418,577)	(101,837,326)
Service Shares	(66,077,334)	(150,632,250)
Net Decrease from Dividends and Distributions to Shareholders	(107,495,911)	(252,469,576)
Capital Share Transactions:		
Institutional Shares	13,208,769	47,548,097
Service Shares	32,921,076	82,852,392
Net Increase/(Decrease) from Capital Share Transactions	46,129,845	130,400,489
Net Increase/(Decrease) in Net Assets	179,037,892	(402,847,806)
Net Assets:		
Beginning of period	1,373,526,514	1,776,374,320
End of period	\$ 1,552,564,406	\$ 1,373,526,514

## **Janus Henderson VIT Enterprise Portfolio Financial Highlights**

## Institutional Shares

For a share outstanding during the year ended December 31	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$69.58	\$100.51	\$94.21	\$85.46	\$67.02
Income/(Loss) from Investment Operations:					
Net investment income/(loss) <sup>(1)</sup>	0.36	0.20	0.22	0.20	0.29
Net realized and unrealized gain/(loss)	11.85	(16.86)	14.99	14.53	23.06
Total from Investment Operations	12.21	(16.66)	15.21	14.73	23.35
Less Dividends and Distributions:					
Dividends (from net investment income)	(0.12)	(0.17)	(0.33)	(0.06)	(0.16)
Distributions (from capital gains)	(5.15)	(14.10)	(8.58)	(5.92)	(4.75)
Total Dividends and Distributions	(5.27)	(14.27)	(8.91)	(5.98)	(4.91)
Net Asset Value, End of Period	\$76.52	\$69.58	\$100.51	\$94.21	\$85.46
Total Return*	18.07%	(15.94)%	16.83%	19.47%	35.48%
Net Assets, End of Period (in thousands)	\$636,056	\$565,810	\$736,679	\$768,141	\$791,044
Average Net Assets for the Period (in thousands)	\$602,500	\$622,822	\$763,345	\$699,442	\$707,052
Ratios to Average Net Assets**:					
Ratio of Gross Expenses	0.72%	0.72%	0.71%	0.72%	0.72%
Ratio of Net Expenses (After Waivers and Expense Offsets)	0.72%	0.72%	0.71%	0.72%	0.72%
Ratio of Net Investment Income/(Loss)	0.49%	0.28%	0.22%	0.25%	0.37%
Portfolio Turnover Rate	13%	15%	17%	16%	14%

See Notes to Financial Statements.

Total return includes adjustments in accordance with generally accepted accounting principles required at the year or period end and are not annualized for periods of less than one full year. Total return does not include fees, charges, or expenses imposed by the variable annuity and life insurance contracts for which Janus Aspen Series serves as an underlying investment vehicle.

Annualized for periods of less than one full year.

<sup>(1)</sup> Per share amounts are calculated based on average shares outstanding during the year or period.

# Janus Henderson VIT Enterprise Portfolio Financial Highlights

## Service Shares

For a share outstanding during the year ended December 31	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$62.78	\$92.49	\$87.46	\$79.93	\$63.00
Income/(Loss) from Investment Operations:					
Net investment income/(loss) <sup>(1)</sup>	0.16	0.02	(0.03)	(2)	0.09
Net realized and unrealized gain/(loss)	10.64	(15.57)	13.87	13.45	21.63
Total from Investment Operations	10.80	(15.55)	13.84	13.45	21.72
Less Dividends and Distributions:					
Dividends (from net investment income)	(0.06)	(0.06)	(0.23)	_	(0.04)
Distributions (from capital gains)	(5.15)	(14.10)	(8.58)	(5.92)	(4.75)
Total Dividends and Distributions	(5.21)	(14.16)	(8.81)	(5.92)	(4.79)
Net Asset Value, End of Period	\$68.37	\$62.78	\$92.49	\$87.46	\$79.93
Total Return*	17.78%	(16.15)%	16.54%	19.18%	35.14%
Net Assets, End of Period (in thousands)	\$916,508	\$807,716	\$1,039,696	\$922,221	\$821,408
Average Net Assets for the Period (in thousands)	\$861,735	\$856,909	\$987,585	\$773,949	\$734,274
Ratios to Average Net Assets**:					
Ratio of Gross Expenses	0.97%	0.96%	0.96%	0.97%	0.97%
Ratio of Net Expenses (After Waivers and Expense Offsets)	0.97%	0.96%	0.96%	0.97%	0.97%
Ratio of Net Investment Income/(Loss)	0.25%	0.03%	(0.03)%	0.00%(3)	0.12%
Portfolio Turnover Rate	13%	15%	17%	16%	14%

See Notes to Financial Statements.

<sup>\*</sup> Total return includes adjustments in accordance with generally accepted accounting principles required at the year or period end and are not annualized for periods of less than one full year. Total return does not include fees, charges, or expenses imposed by the variable annuity and life insurance contracts for which Janus Aspen Series serves as an underlying investment vehicle.

<sup>\*\*</sup> Annualized for periods of less than one full year.

<sup>(1)</sup> Per share amounts are calculated based on average shares outstanding during the year or period.

<sup>(2)</sup> Less than \$0.005 on a per share basis.

<sup>(3)</sup> Less than 0.005%.

## 1. Organization and Significant Accounting Policies

Janus Henderson VIT Enterprise Portfolio (the "Portfolio") is a series of Janus Aspen Series (the "Trust"), which is organized as a Delaware statutory trust and is registered under the Investment Company Act of 1940, as amended (the "1940 Act"), as an open-end management investment company, and therefore has applied the specialized accounting and reporting guidance in Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") Topic 946. The Trust offers 10 portfolios, each of which offers multiple share classes, with differing investment objectives and policies. The Portfolio seeks long-term growth of capital. The Portfolio is classified as diversified, as defined in the 1940 Act. Janus Henderson Investors US LLC is the investment adviser (the "Adviser") to the Portfolio.

The Portfolio currently offers two classes of shares: Institutional Shares and Service Shares. Each class represents an interest in the same portfolio of investments. Institutional Shares are offered only in connection with investment in and payments under variable insurance contracts as well as certain qualified retirement plans. Service Shares are offered only in connection with investment in and payments under variable insurance contracts as well as certain qualified retirement plans that require a fee from Portfolio assets to procure distribution and administrative services to contract owners and plan participants.

Shareholders, including participating insurance companies, as well as accounts, may from time to time own (beneficially or of record) a significant percentage of the Portfolio's Shares and can be considered to "control" the Portfolio when that ownership exceeds 25% of the Portfolio's assets (and which may differ from control as determined in accordance with United States of America generally accepted accounting principles ("US GAAP")).

The following accounting policies have been followed by the Portfolio and are in conformity with US GAAP.

## **Investment Valuation**

Portfolio holdings are valued in accordance with policies and procedures established by the Adviser pursuant to Rule 2a-5 under the 1940 Act and approved by and subject to the oversight of the Trustees (the "Valuation Procedures"). Equity securities traded on a domestic securities exchange are generally valued at readily available market quotations, which are (i) the official close prices or (ii) last sale prices on the primary market or exchange in which the securities trade. If such price is lacking for the trading period immediately preceding the time of determination, such securities are generally valued at their current bid price. Equity securities that are traded on a foreign exchange are generally valued at the closing prices on such markets. In the event that there is no current trading volume on a particular security in such foreign exchange, the bid price from the primary exchange is generally used to value the security. Foreign securities and currencies are converted to U.S. dollars using the current spot USD dollar exchange rate in effect at the close of the New York Stock Exchange ("NYSE"). The Adviser will determine the market value of individual securities held by it by using prices provided by one or more Adviser-approved professional pricing services or, as needed, by obtaining market quotations from independent broker-dealers. Most debt securities are valued in accordance with the evaluated bid price supplied by the pricing service that is intended to reflect market value. The evaluated bid price supplied by the pricing service is an evaluation that may consider factors such as security prices, yields, maturities and ratings. Certain short-term securities maturing within 60 days or less may be evaluated and valued on an amortized cost basis provided that the amortized cost determined approximates market value. Securities for which market quotations or evaluated prices are not readily available or deemed unreliable are valued at fair value determined in good faith by the Adviser pursuant to the Valuation Procedures. Circumstances in which fair valuation may be utilized include, but are not limited to: (i) a significant event that may affect the securities of a single issuer, such as a merger, bankruptcy, or significant issuer-specific development; (ii) an event that may affect an entire market, such as a natural disaster or significant governmental action; (iii) a nonsignificant event such as a market closing early or not opening, or a security trading halt; and (iv) pricing of a nonvalued security and a restricted or nonpublic security. Special valuation considerations may apply with respect to "odd-lot" fixed-income transactions which, due to their small size, may receive evaluated prices by pricing services which reflect a large block trade and not what actually could be obtained for the odd-lot position. The value of the securities of other mutual funds held by the Portfolio, if any, will be calculated using the NAV of such mutual funds, and the prospectuses for such mutual funds explain the circumstances under which they use fair valuation and the effects of using fair valuation. The value of the securities of any cash management pooled investment vehicles that operate as money market funds held by the Portfolio, if any, will be calculated using the NAV of such funds.

## **Valuation Inputs Summary**

FASB ASC 820, Fair Value Measurements and Disclosures ("ASC 820"), defines fair value, establishes a framework for measuring fair value, and expands disclosure requirements regarding fair value measurements. This standard emphasizes that fair value is a market-based measurement that should be determined based on the assumptions that market participants would use in pricing an asset or liability and establishes a hierarchy that prioritizes inputs to valuation techniques used to measure fair value. These inputs are summarized into three broad levels:

Level 1 – Unadjusted quoted prices in active markets the Portfolio has the ability to access for identical assets or liabilities.

Level 2 – Observable inputs other than unadjusted quoted prices included in Level 1 that are observable for the asset or liability either directly or indirectly. These inputs may include quoted prices for the identical instrument on an inactive market, prices for similar instruments, interest rates, prepayment speeds, credit risk, yield curves, default rates and similar data.

Assets or liabilities categorized as Level 2 in the hierarchy generally include: debt securities fair valued in accordance with the evaluated bid or ask prices supplied by a pricing service; securities traded on OTC markets and listed securities for which no sales are reported that are fair valued at the latest bid price (or yield equivalent thereof) obtained from one or more dealers transacting in a market for such securities or by a pricing service approved by the Portfolio's Trustees; certain short-term debt securities with maturities of 60 days or less that are fair valued at amortized cost; and equity securities of foreign issuers whose fair value is determined by using systematic fair valuation models provided by independent third parties in order to adjust for stale pricing which may occur between the close of certain foreign exchanges and the close of the NYSE. Other securities that may be categorized as Level 2 in the hierarchy include, but are not limited to, preferred stocks, bank loans, swaps, investments in unregistered investment companies, options, and forward contracts.

Level 3 – Unobservable inputs for the asset or liability to the extent that relevant observable inputs are not available, representing the Portfolio's own assumptions about the assumptions that a market participant would use in valuing the asset or liability, and that would be based on the best information available.

There have been no significant changes in valuation techniques used in valuing any such positions held by the Portfolio since the beginning of the fiscal year.

The inputs or methodology used for fair valuing securities are not necessarily an indication of the risk associated with investing in those securities. The summary of inputs used as of December 31, 2023 to fair value the Portfolio's investments in securities and other financial instruments is included in the "Valuation Inputs Summary" in the Notes to Schedule of Investments and Other Information.

The Portfolio did not hold a significant amount of Level 3 securities as of December 31, 2023.

## **Investment Transactions and Investment Income**

Investment transactions are accounted for as of the date purchased or sold (trade date). Dividend income is recorded on the ex-dividend date. Certain dividends from foreign securities will be recorded as soon as the Portfolio is informed of the dividend, if such information is obtained subsequent to the ex-dividend date. Dividends from foreign securities may be subject to withholding taxes in foreign jurisdictions. Non-cash dividends, if any, are recorded on the ex-dividend date at fair value. Interest income is recorded daily on the accrual basis and includes amortization of premiums and accretion of discounts. The Portfolio classifies gains and losses on prepayments received as an adjustment to interest income. Debt securities may be placed in non-accrual status and related interest income may be reduced by stopping current accruals and writing off interest receivables when collection of all or a portion of interest has become doubtful. Gains and losses are determined on the identified cost basis, which is the same basis used for federal income tax purposes. Income, as well as gains and losses, both realized and unrealized, are allocated daily to each class of shares based upon the ratio of net assets represented by each class as a percentage of total net assets.

## **Expenses**

The Portfolio bears expenses incurred specifically on its behalf. Each class of shares bears a portion of general expenses, which are allocated daily to each class of shares based upon the ratio of net assets represented by each class as a percentage of total net assets. Expenses directly attributable to a specific class of shares are charged against the operations of such class.

## **Notes to Financial Statements**

## **Estimates**

The preparation of financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amount of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of income and expenses during the reporting period. Actual results could differ from those estimates.

### Indemnifications

In the normal course of business, the Portfolio may enter into contracts that contain provisions for indemnification of other parties against certain potential liabilities. The Portfolio's maximum exposure under these arrangements is unknown, and would involve future claims that may be made against the Portfolio that have not yet occurred. Currently, the risk of material loss from such claims is considered remote.

## **Foreign Currency Translations**

The Portfolio does not isolate that portion of the results of operations resulting from the effect of changes in foreign exchange rates on investments from the fluctuations arising from changes in market prices of securities held at the date of the financial statements. Net unrealized appreciation or depreciation of investments and foreign currency translations arise from changes in the value of assets and liabilities, including investments in securities held at the date of the financial statements, resulting from changes in the exchange rates and changes in market prices of securities held.

Currency gains and losses are also calculated on payables and receivables that are denominated in foreign currencies. The payables and receivables are generally related to foreign security transactions and income translations.

Foreign currency-denominated assets and forward currency contracts may involve more risks than domestic transactions, including currency risk, counterparty risk, political and economic risk, regulatory risk and equity risk. Risks may arise from unanticipated movements in the value of foreign currencies relative to the U.S. dollar.

## **Dividends and Distributions**

The Portfolio may make semiannual distributions of substantially all of its investment income and an annual distribution of its net realized capital gains (if any).

The Portfolio may make certain investments in real estate investment trusts ("REITs") which pay dividends to their shareholders based upon funds available from operations. It is quite common for these dividends to exceed the REITs' taxable earnings and profits, resulting in the excess portion of such dividends being designated as a return of capital. If the Portfolio distributes such amounts, such distributions could constitute a return of capital to shareholders for federal income tax purposes.

## **Federal Income Taxes**

The Portfolio intends to continue to qualify as a regulated investment company and distribute all of its taxable income in accordance with the requirements of Subchapter M of the Internal Revenue Code. Management has analyzed the Portfolio's tax positions taken for all open federal income tax years, generally a three-year period, and has concluded that no provision for federal income tax is required in the Portfolio's financial statements. The Portfolio is not aware of any tax positions for which it is reasonably possible that the total amounts of unrecognized tax benefits will significantly change in the next twelve months.

## 2. Derivative Instruments

The Portfolio may invest in various types of derivatives, which may at times result in significant derivative exposure. A derivative is a financial instrument whose performance is derived from the performance of another asset. The Portfolio may invest in derivative instruments including, but not limited to: futures contracts, put options, call options, options on futures contracts, options on foreign currencies, options on recovery locks, options on security and commodity indices, swaps, forward contracts, structured investments, and other equity-linked derivatives. Each derivative instrument that was held by the Portfolio during the year ended December 31, 2023 is discussed in further detail below. A summary of derivative activity by the Portfolio is reflected in the tables at the end of the Schedule of Investments.

The Portfolio may use derivative instruments for hedging purposes (to offset risks associated with an investment, currency exposure, or market conditions), to adjust currency exposure relative to a benchmark index, or for speculative purposes (to earn income and seek to enhance returns). When the Portfolio invests in a derivative for speculative purposes, the Portfolio will be fully exposed to the risks of loss of that derivative, which may sometimes be greater than

## **Notes to Financial Statements**

the derivative's cost. The Portfolio may not use any derivative to gain exposure to an asset or class of assets that it would be prohibited by its investment restrictions from purchasing directly. The Portfolio's ability to use derivative instruments may also be limited by tax considerations.

Investments in derivatives in general are subject to market risks that may cause their prices to fluctuate over time. Investments in derivatives may not directly correlate with the price movements of the underlying instrument. As a result, the use of derivatives may expose the Portfolio to additional risks that it would not be subject to if it invested directly in the securities underlying those derivatives. The use of derivatives may result in larger losses or smaller gains than otherwise would be the case. Derivatives can be volatile and may involve significant risks.

In pursuit of its investment objective, the Portfolio may seek to use derivatives to increase or decrease exposure to the following market risk factors:

- **Commodity Risk** the risk related to the change in value of commodities or commodity-linked investments due to changes in the overall market movements, volatility of the underlying benchmark, changes in interest rates, or other factors affecting a particular industry or commodity such as drought, floods, weather, livestock disease, embargoes, tariffs, and international economic, political, and regulatory developments.
- Counterparty Risk the risk that the counterparty (the party on the other side of the transaction) on a derivative transaction will be unable to honor its financial obligation to the Portfolio.
- Credit Risk the risk an issuer will be unable to make principal and interest payments when due, or will default on its obligations.
- **Currency Risk** the risk that changes in the exchange rate between currencies will adversely affect the value (in U.S. dollar terms) of an investment.
- **Equity Risk** the risk related to the change in value of equity securities as they relate to increases or decreases in the general market.
- Index Risk if the derivative is linked to the performance of an index, it will be subject to the risks associated with changes in that index. If the index changes, the Portfolio could receive lower interest payments or experience a reduction in the value of the derivative to below what the Portfolio paid. Certain indexed securities, including inverse securities (which move in an opposite direction to the index), may create leverage, to the extent that they increase or decrease in value at a rate that is a multiple of the changes in the applicable index.
- Interest Rate Risk the risk that the value of fixed-income securities will generally decline as prevailing interest rates rise, which may cause the Portfolio's NAV to likewise decrease.
- Leverage Risk the risk associated with certain types of leveraged investments or trading strategies pursuant to which relatively small market movements may result in large changes in the value of an investment. The Portfolio creates leverage by investing in instruments, including derivatives, where the investment loss can exceed the original amount invested. Certain investments or trading strategies, such as short sales, that involve leverage can result in losses that greatly exceed the amount originally invested.
- **Liquidity Risk** the risk that certain securities may be difficult or impossible to sell at the time that the seller would like or at the price that the seller believes the security is currently worth.

Derivatives may generally be traded OTC or on an exchange. Derivatives traded OTC are agreements that are individually negotiated between parties and can be tailored to meet a purchaser's needs. OTC derivatives are not guaranteed by a clearing agency and may be subject to increased credit risk.

In an effort to mitigate credit risk associated with derivatives traded OTC, the Portfolio may enter into collateral agreements with certain counterparties whereby, subject to certain minimum exposure requirements, the Portfolio may require the counterparty to post collateral if the Portfolio has a net aggregate unrealized gain on all OTC derivative contracts with a particular counterparty. Additionally, the Portfolio may deposit cash and/or treasuries as collateral with the counterparty and/or custodian daily (based on the daily valuation of the financial asset) if the Portfolio has a net aggregate unrealized loss on OTC derivative contracts with a particular counterparty. All liquid securities and restricted cash are considered to cover in an amount at all times equal to or greater than the Portfolio's commitment with respect to certain exchange-traded derivatives, centrally cleared derivatives, forward foreign currency exchange contracts, short

## **Notes to Financial Statements**

sales, and/or securities with extended settlement dates. There is no guarantee that counterparty exposure is reduced and these arrangements are dependent on the Adviser's ability to establish and maintain appropriate systems and

## Forward Foreign Currency Exchange Contracts

A forward foreign currency exchange contract ("forward currency contract") is an obligation to buy or sell a specified currency at a future date at a negotiated rate (which may be U.S. dollars or a foreign currency). The Portfolio may enter into forward currency contracts for hedging purposes, including, but not limited to, reducing exposure to changes in foreign currency exchange rates on foreign portfolio holdings and locking in the U.S. dollar cost of firm purchase and sale commitments for securities denominated in or exposed to foreign currencies. The Portfolio may also invest in forward currency contracts for non-hedging purposes such as seeking to enhance returns. The Portfolio is subject to currency risk and counterparty risk in the normal course of pursuing its investment objective through its investments in forward currency contracts.

Forward currency contracts are valued by converting the foreign value to U.S. dollars by using the current spot U.S. dollar exchange rate and/or forward rate for that currency. Exchange and forward rates as of the close of the NYSE are used to value the forward currency contracts. The unrealized appreciation/(depreciation) for forward currency contracts is reported in the Statement of Assets and Liabilities as a receivable or payable and in the Statement of Operations for the change in unrealized net appreciation/depreciation (if applicable). The realized gain or loss arising from the difference between the U.S. dollar cost of the original contract and the value of the foreign currency in U.S. dollars upon closing a forward currency contract is reported on the Statement of Operations (if applicable).

During the year, the Portfolio entered into forward currency contracts with the obligation to purchase foreign currencies in the future at an agreed upon rate in order to decrease exposure to currency risk associated with foreign currency denominated securities held by the Portfolio.

During the year, the Portfolio entered into forward currency contracts with the obligation to sell foreign currencies in the future at an agreed upon rate in order to decrease exposure to currency risk associated with foreign currency denominated securities held by the Portfolio.

### **Swaps**

Swap agreements are two-party contracts entered into primarily by institutional investors for periods ranging from a day to more than one year to exchange one set of cash flows for another. The most significant factor in the performance of swap agreements is the change in value of the specific index, security, or currency, or other factors that determine the amounts of payments due to and from the Portfolio. The use of swaps is a highly specialized activity which involves investment techniques and risks different from those associated with ordinary portfolio securities transactions. Swap transactions may in some instances involve the delivery of securities or other underlying assets by the Portfolio or its counterparty to collateralize obligations under the swap. If the other party to a swap that is not collateralized defaults, the Portfolio would risk the loss of the net amount of the payments that it contractually is entitled to receive. Swap agreements entail the risk that a party will default on its payment obligations to the Portfolio. If the other party to a swap defaults, the Portfolio would risk the loss of the net amount of the payments that it contractually is entitled to receive. If the Portfolio utilizes a swap at the wrong time or judges market conditions incorrectly, the swap may result in a loss to the Portfolio and reduce the Portfolio's total return.

Swap agreements also bear the risk that the Portfolio will not be able to meet its obligation to the counterparty. Swap agreements are typically privately negotiated and entered into in the OTC market. However, certain swap agreements are required to be cleared through a clearinghouse and traded on an exchange or swap execution facility. Swaps that are required to be cleared are required to post initial and variation margins in accordance with the exchange requirements. Regulations enacted require the Portfolio to centrally clear certain interest rate and credit default index swaps through a clearinghouse or central counterparty ("CCP"). To clear a swap with a CCP, the Portfolio will submit the swap to, and post collateral with, a futures clearing merchant ("FCM") that is a clearinghouse member. Alternatively, the Portfolio may enter into a swap with a financial institution other than the FCM (the "Executing Dealer") and arrange for the swap to be transferred to the FCM for clearing. The Portfolio may also enter into a swap with the FCM itself. The CCP, the FCM, and the Executing Dealer are all subject to regulatory oversight by the U.S. Commodity Futures Trading Commission ("CFTC"). A default or failure by a CCP or an FCM, or the failure of a swap to be transferred from an Executing Dealer to the FCM for clearing, may expose the Portfolio to losses, increase its costs, or prevent the Portfolio from entering or exiting swap positions, accessing collateral, or fully implementing its investment strategies. The

regulatory requirement to clear certain swaps could, either temporarily or permanently, reduce the liquidity of cleared swaps or increase the costs of entering into those swaps.

Index swaps, interest rate swaps, inflation swaps and credit default swaps are valued using an approved vendor supplied price. Basket swaps are valued using a broker supplied price. Equity swaps that consist of a single underlying equity are valued either at the closing price, the latest bid price, or the last sale price on the primary market or exchange it trades. The market value of swap contracts are aggregated by positive and negative values and are disclosed separately as an asset or liability on the Portfolio's Statement of Assets and Liabilities (if applicable). Realized gains and losses are reported on the Portfolio's Statement of Operations (if applicable). The change in unrealized net appreciation or depreciation during the year is included in the Statement of Operations (if applicable).

The Portfolio's maximum risk of loss from counterparty risk or credit risk is the discounted value of the payments to be received from/paid to the counterparty over the contract's remaining life, to the extent that the amount is positive. The risk is mitigated by having a netting arrangement between the Portfolio and the counterparty and by the posting of collateral by the counterparty to cover the Portfolio's exposure to the counterparty.

During the year, the Portfolio entered into total return swaps on equity securities to increase exposure to equity risk. These total return swaps require the Portfolio to pay a floating reference interest rate, and an amount equal to the negative price movement of securities or an index multiplied by the notional amount of the contract. The Portfolio will receive payments equal to the positive price movement of the same securities or index multiplied by the notional amount of the contract and, in some cases, dividends paid on the securities.

## 3. Other Investments and Strategies

## **Market Risk**

The value of the Portfolio's portfolio may decrease if the value of one or more issuers in the Portfolio's portfolio decreases. Further, regardless of how well individual companies or securities perform, the value of the Portfolio's portfolio could also decrease if there are deteriorating economic or market conditions, including, but not limited to, a general decline in prices on the stock markets, a general decline in real estate markets, a decline in commodities prices, or if the market favors different types of securities than the types of securities in which the Portfolio invests. If the value of the Portfolio's portfolio decreases, the Portfolio's NAV will also decrease, which means if you sell your shares in the Portfolio you may lose money. Market risk may affect a single issuer, industry, economic sector, or the market as a whole. The increasing interconnectivity between global economies and financial markets increases the likelihood that events or conditions in one region or financial market may adversely impact issuers in a different country, region or financial market. Social, political, economic and other conditions and events, such as natural disasters, health emergencies (e.g., epidemics and pandemics), terrorism, war, conflicts, including related sanctions, social unrest, financial institution failures, and economic recessions could reduce consumer demand or economic output, result in market closures, travel restrictions and/or quarantines, and generally have a significant impact on the global economies and financial markets.

- COVID-19 Pandemic. The effects of COVID-19 have contributed to increased volatility in global financial markets and have affected and may continue to affect certain countries, regions, issuers, industries and market sectors more dramatically than others. These conditions and events could have a significant impact on the Portfolio and its investments, the Portfolio's ability to meet redemption requests, and the processes and operations of the Portfolio's service providers, including the Adviser.
- Armed Conflict. Recent such examples include conflict, loss of life, and disaster connected to ongoing armed conflict between Russia and Ukraine in Europe and Hamas and Israel in the Middle East. The extent and duration of each conflict, resulting sanctions and resulting future market disruptions in each region are impossible to predict, but could be significant and have a severe adverse effect, including significant negative impacts on the U.S. and broader global economic environment and the markets for certain securities and commodities.

## Counterparties

Portfolio transactions involving a counterparty are subject to the risk that the counterparty or a third party will not fulfill its obligation to the Portfolio ("counterparty risk"). Counterparty risk may arise because of the counterparty's financial condition (i.e., financial difficulties, bankruptcy, or insolvency), market activities and developments, or other reasons, whether foreseen or not. A counterparty's inability to fulfill its obligation may result in significant financial loss to the Portfolio. The Portfolio may be unable to recover its investment from the counterparty or may obtain a limited recovery,

and/or recovery may be delayed. The extent of the Portfolio's exposure to counterparty risk with respect to financial assets and liabilities approximates its carrying value. See the "Offsetting Assets and Liabilities" section of this Note for further details.

The Portfolio may be exposed to counterparty risk through participation in various programs, including, but not limited to, lending its securities to third parties, cash sweep arrangements whereby the Portfolio's cash balance is invested in one or more types of cash management vehicles, as well as investments in, but not limited to, repurchase agreements, debt securities, and derivatives, including various types of swaps, futures and options. The Portfolio intends to enter into financial transactions with counterparties that the Adviser believes to be creditworthy at the time of the transaction. There is always the risk that the Adviser's analysis of a counterparty's creditworthiness is incorrect or may change due to market conditions. To the extent that the Portfolio focuses its transactions with a limited number of counterparties, it will have greater exposure to the risks associated with one or more counterparties.

## **Securities Lending**

Under procedures adopted by the Trustees, the Portfolio may seek to earn additional income by lending securities to certain qualified broker-dealers and institutions. JPMorgan Chase Bank, National Association acts as securities lending agent and a limited purpose custodian or subcustodian to receive and disburse cash balances and cash collateral, hold short-term investments, hold collateral, and perform other custodial functions in accordance with the Non-Custodial Securities Lending Agreement. For financial reporting purposes, the Portfolio does not offset financial instruments' payables and receivables and related collateral on the Statement of Assets and Liabilities. The Portfolio may lend portfolio securities in an amount equal to up to 1/3 of its total assets as determined at the time of the loan origination. There is the risk of delay in recovering a loaned security or the risk of loss in collateral rights if the borrower fails financially. In addition, the Adviser makes efforts to balance the benefits and risks from granting such loans. All loans will be continuously secured by collateral which may consist of cash, U.S. Government securities, domestic and foreign short-term debt instruments, letters of credit, time deposits, repurchase agreements, money market mutual funds or other money market accounts, or such other collateral as permitted by the Securities and Exchange Commission (the "SEC"). If the Portfolio is unable to recover a security on loan, the Portfolio may use the collateral to purchase replacement securities in the market. There is a risk that the value of the collateral could decrease below the cost of the replacement security by the time the replacement investment is made, resulting in a loss to the Portfolio. In certain circumstances individual loan transactions could yield negative returns.

Upon receipt of cash collateral, the Adviser may invest it in affiliated or non-affiliated cash management vehicles. whether registered or unregistered entities, as permitted by the 1940 Act and rules promulgated thereunder. The Adviser currently intends to primarily invest the cash collateral in a cash management vehicle for which the Adviser serves as investment adviser, Janus Henderson Cash Collateral Fund LLC, or in time deposits. An investment in Janus Henderson Cash Collateral Fund LLC is generally subject to the same risks that shareholders experience when investing in similarly structured vehicles, such as the potential for significant fluctuations in assets as a result of the purchase and redemption activity of the securities lending program, a decline in the value of the collateral, and possible liquidity issues. Such risks may delay the return of the cash collateral and cause the Portfolio to violate its agreement to return the cash collateral to a borrower in a timely manner. As adviser to the Portfolio and Janus Henderson Cash Collateral Fund LLC, the Adviser has an inherent conflict of interest as a result of its fiduciary duties to both the Portfolio and Janus Henderson Cash Collateral Fund LLC. Additionally, the Adviser receives an investment advisory fee of 0.05% for managing Janus Henderson Cash Collateral Fund LLC, but it may not receive a fee for managing certain other affiliated cash management vehicles in which the Portfolio may invest, and therefore may have an incentive to allocate preferred investment opportunities to investment vehicles for which it is receiving a fee.

The value of the collateral must be at least 102% of the market value of the loaned securities that are denominated in U.S. dollars and 105% of the market value of the loaned securities that are not denominated in U.S. dollars. Loaned securities and related collateral are marked-to-market each business day based upon the market value of the loaned securities at the close of business, employing the most recent available pricing information. Collateral levels are then adjusted based on this mark-to-market evaluation. Additional required collateral, or excess collateral returned, is delivered on the next business day. Therefore, the value of the collateral held may be temporarily less than 102% or 105% value of the securities on loan. The cash collateral invested by the Adviser is disclosed in the Schedule of Investments (if applicable).

Income earned from the investment of the cash collateral, net of rebates paid to, or fees paid by, borrowers and less the fees paid to the lending agent are included as "Affiliated securities lending income, net" on the Statement of Operations.

There were no securities on loan as of December 31, 2023.

## Offsetting Assets and Liabilities

The Portfolio presents gross and net information about transactions that are either offset in the financial statements or subject to an enforceable master netting arrangement or similar agreement with a designated counterparty, regardless of whether the transactions are actually offset in the Statement of Assets and Liabilities.

In order to better define its contractual rights and to secure rights that will help the Portfolio mitigate its counterparty risk, the Portfolio has entered into an International Swaps and Derivatives Association, Inc. Master Agreement ("ISDA Master Agreement") or similar agreement with its derivative contract counterparties. An ISDA Master Agreement is a bilateral agreement between the Portfolio and a counterparty that governs OTC derivatives and forward foreign currency exchange contracts and typically contains, among other things, collateral posting terms and netting provisions in the event of a default and/or termination event. Under an ISDA Master Agreement, in the event of a default and/or termination event, the Portfolio may offset with each counterparty certain derivative financial instruments' payables and/or receivables with collateral held and/or posted and create one single net payment.

The Offsetting Assets and Liabilities tables located in the Schedule of Investments present gross amounts of recognized assets and/or liabilities and the net amounts after deducting collateral that has been pledged by counterparties or has been pledged to counterparties (if applicable). For corresponding information grouped by type of instrument, see the "Fair Value of Derivative Instruments (not accounted for as hedging instruments) as of December 31, 2023" table located in the Portfolio's Schedule of Investments.

The Portfolio may require the counterparty to pledge securities as collateral daily (based on the daily valuation of the financial asset) if the Portfolio has a net aggregate unrealized gain on OTC derivative contracts with a particular counterparty. The Portfolio may deposit cash as collateral with the counterparty and/or custodian daily (based on the daily valuation of the financial asset) if the Portfolio has a net aggregate unrealized loss on OTC derivative contracts with a particular counterparty. The collateral amounts are subject to minimum exposure requirements and initial margin requirements. Collateral amounts are monitored and subsequently adjusted up or down as valuations fluctuate by at least the minimum exposure requirement. Collateral may reduce the risk of loss.

The Portfolio generally does not exchange collateral on its forward foreign currency contracts with its counterparties; however, all liquid securities and restricted cash are considered to cover in an amount at all times equal to or greater than the Portfolio's commitment with respect to these contracts. Certain securities may be segregated at the Portfolio's custodian. These segregated securities are denoted on the accompanying Schedule of Investments and are evaluated daily to ensure their cover and/or market value equals or exceeds the Portfolio's corresponding forward foreign currency exchange contract's obligation value.

## 4. Investment Advisory Agreements and Other Transactions with Affiliates

The Portfolio pays the Adviser an investment advisory fee which is calculated daily and paid monthly. The Portfolio's contractual investment advisory fee rate (expressed as an annual rate) is 0.64% of its average daily net assets.

The Adviser serves as administrator to the Portfolio pursuant to an administration agreement between the Adviser and the Trust. Under the administration agreement, the Adviser is authorized to perform, or cause others to perform certain administration, compliance, and accounting services to the Portfolio, including providing office space for the Portfolio, and is reimbursed by the Portfolio for certain of its costs in providing these services (to the extent the Adviser seeks reimbursement and such costs are not otherwise waived). In addition, employees of the Adviser and/or its affiliates may serve as officers of the Trust. The Portfolio pays for some or all of the salaries, fees, and expenses of the Adviser employees and Portfolio officers, with respect to certain specified administration functions they perform on behalf of the Portfolio. The Portfolio pays these costs based on out-of-pocket expenses incurred by the Adviser, and these costs are separate and apart from advisory fees and other expenses paid in connection with the investment advisory services the Adviser (or any subadvisor, as applicable) provides to the Portfolio. These amounts are disclosed as "Affiliated portfolio administration fees" on the Statement of Operations. In addition, some expenses related to compensation payable to the Portfolio's Chief Compliance Officer and certain compliance staff, all of whom are employees of the Adviser and/or its affiliates, are shared with the Portfolio. Total compensation of \$31,482 was paid to the Chief Compliance Officer and certain compliance staff by the Trust during the year ended December 31, 2023. The Portfolio's portion is reported as part of "Other expenses" on the Statement of Operations.

Janus Henderson Services US LLC (the "Transfer Agent"), a wholly-owned subsidiary of the Adviser, is the Portfolio's transfer agent. The Transfer Agent receives an administrative services fee at an annual rate of 0.05% of the average daily net assets of the Portfolio for arranging for the provision by participating insurance companies and gualified plan service providers of administrative services, including, but not limited to, recordkeeping, subaccounting, answering inquiries regarding accounts, order processing, transaction confirmations, the mailing of prospectuses and shareholder reports, and other shareholder services provided on behalf of contract holders or plan participants investing in the Portfolio. The Transfer Agent expects to use this entire fee to compensate insurance companies and gualified plan service providers for providing these services to their customers who invest in the Portfolio.

The Transfer Agent is not compensated for internal services related to the shares, except for out-of-pocket costs. These amounts are disclosed as "Other transfer agent fees and expenses" on the Statement of Operations.

Under a distribution and shareholder servicing plan (the "Plan") adopted in accordance with Rule 12b-1 under the 1940 Act, the Service Shares may pay the Trust's distributor, Janus Henderson Distributors US LLC (the "Distributor"), a wholly-owned subsidiary of the Adviser, a fee for the sale and distribution and/or shareholder servicing of the Service Shares at an annual rate of up to 0.25% of the average daily net assets of the Service Shares. Under the terms of the Plan, the Trust is authorized to make payments to the Distributor for remittance to insurance companies and qualified plan service providers as compensation for distribution and/or shareholder services performed by such entities. These amounts are disclosed as "12b-1 Distribution and shareholder servicing fees" on the Statement of Operations.

The Board of Trustees has adopted a deferred compensation plan (the "Deferred Plan") for independent Trustees to elect to defer receipt of all or a portion of the annual compensation they are entitled to receive from the Portfolio. All deferred fees are credited to an account established in the name of the Trustees. The amounts credited to the account then increase or decrease, as the case may be, in accordance with the performance of one or more of the Janus Henderson funds that are selected by the Trustees. The account balance continues to fluctuate in accordance with the performance of the selected fund or funds until final payment of all amounts are credited to the account. The fluctuation of the account balance is recorded by the Portfolio as unrealized appreciation/(depreciation) and is included as of December 31, 2023 on the Statement of Assets and Liabilities in the asset, "Trustees' deferred compensation," and liability, "Trustees' deferred compensation fees." Additionally, the recorded unrealized appreciation/(depreciation) is included in "Total distributable earnings (loss)" on the Statement of Assets and Liabilities. Deferred compensation expenses for the year ended December 31, 2023 are included in "Trustees' fees and expenses" on the Statement of Operations. Trustees are allowed to change their designation of mutual funds from time to time. Amounts will be deferred until distributed in accordance with the Deferred Plan. Deferred fees of \$416,000 were paid by the Trust to the Trustees under the Deferred Plan during the year ended December 31, 2023.

Pursuant to the provisions of the 1940 Act and related rules, the Portfolio may participate in an affiliated or nonaffiliated cash sweep program. In the cash sweep program, uninvested cash balances of the Portfolio may be used to purchase shares of affiliated or non-affiliated money market funds or cash management pooled investment vehicles that operate as money market funds. The Portfolio is eligible to participate in the cash sweep program (the "Investing Funds"). The Adviser has an inherent conflict of interest because of its fiduciary duties to the affiliated money market funds or cash management pooled investment vehicles and the Investing Funds. Janus Henderson Cash Liquidity Fund LLC (the "Sweep Vehicle") is an affiliated unregistered cash management pooled investment vehicle that invests primarily in highly-rated short-term fixed-income securities. The Sweep Vehicle operates pursuant to the provisions of the 1940 Act that govern the operation of money market funds and prices its shares at NAV reflecting market-based values of its portfolio securities (i.e., a "floating" NAV) rounded to the fourth decimal place (e.g., \$1.0000). The Sweep Vehicle is permitted to impose a liquidity fee (of up to 2%) on redemptions from the Sweep Vehicle or a redemption gate that temporarily suspends redemptions from the Sweep Vehicle for up to 10 business days during a 90 day period. There are no restrictions on the Portfolio's ability to withdraw investments from the Sweep Vehicle at will, and there are no unfunded capital commitments due from the Portfolio to the Sweep Vehicle. The Sweep Vehicle does not charge any management fee, sales charge or service fee.

Any purchases and sales, realized gains/losses and recorded dividends from affiliated investments during the year ended December 31, 2023 can be found in the "Schedules of Affiliated Investments" located in the Schedule of Investments.

The Portfolio is permitted to purchase or sell securities ("cross-trade") between itself and other funds or accounts managed by the Adviser in accordance with Rule 17a-7 under the Investment Company Act of 1940 ("Rule 17a-7"),

## **Notes to Financial Statements**

when the transaction is consistent with the investment objectives and policies of the Portfolio and in accordance with the Internal Cross Trade Procedures adopted by the Trust's Board of Trustees. These procedures have been designed to ensure that any cross-trade of securities by the Portfolio from or to another fund or account that is or could be considered an affiliate of the Portfolio under certain limited circumstances by virtue of having a common investment adviser, common Officer, or common Trustee complies with Rule 17a-7. Under these procedures, each cross-trade is effected at the current market price to save costs where allowed. During the year ended December 31, 2023, the Portfolio engaged in cross trades amounting to \$726,953 in purchases and \$929,182 in sales, resulting in a net realized loss of \$131,646. The net realized loss is included within the "Net Realized Gain/(Loss) on Investments" section of the Portfolio's Statement of Operations.

## 5. Federal Income Tax

The tax components of capital shown in the table below represent: (1) distribution requirements the Portfolio must satisfy under the income tax regulations; (2) losses or deductions the Portfolio may be able to offset against income and gains realized in future years; and (3) unrealized appreciation or depreciation of investments for federal income tax purposes.

Other book to tax differences primarily consist of deferred compensation, derivatives, and foreign currency contract adjustments. The Portfolio has elected to treat gains and losses on forward foreign currency contracts as capital gains and losses, if applicable. Other foreign currency gains and losses on debt instruments are treated as ordinary income for federal income tax purposes pursuant to Section 988 of the Internal Revenue Code.

Net Tax	Other Book					
Appreciation/	to Tax		Accumulated	Undistributed	Undistributed	
(Depreciation)	Differences	Loss Deferrals	Capital Losses	Long-Term Gains	Ordinary Income	
\$568,518,286	\$ (16,404)	\$ -	\$ -	\$ 83,821,373	\$ -	\$

The aggregate cost of investments and the composition of unrealized appreciation and depreciation of investment securities for federal income tax purposes as of December 31, 2023 are noted below. The primary differences between book and tax appreciation or depreciation of investments are wash sale loss deferrals and investments in partnerships.

	Unrealized	Unrealized	Net Ta	ax Appreciation/
Federal Tax Cost	Appreciation	(Depreciation)		(Depreciation)
\$ 987,789,858	\$623,705,334	\$(55,187,048)	\$	568,518,286

Information on the tax components of derivatives as of December 31, 2023 is as follows:

		Unrealized	Unrealized	Net Tax Appreciation/
Fede	eral Tax Cost	Appreciation	(Depreciation)	(Depreciation)
\$	(2,816,641)	\$ 23,893	\$ -	\$ 23,893

Tax cost of investments and unrealized appreciation/(depreciation) may also include timing differences that do not constitute adjustments to tax basis.

### **Notes to Financial Statements**

Income and capital gains distributions are determined in accordance with income tax regulations that may differ from US GAAP. These differences are due to differing treatments for items such as net short-term gains, deferral of wash sale losses, foreign currency transactions, and capital loss carryovers. Certain permanent differences such as tax returns of capital and net investment losses noted below have been reclassified to capital.

For the year ended December 31, 2023

	Distributions						
From Ordinary Income F		From	From Long-Term Capital Gains		Tax Return of Capital		nvestment Loss
\$	-	\$	107,495,911	\$	-	\$	3,404,793
For the yea	For the year ended December 31, 2022						
From Ordinary Income From Long-Term Capital Gains Tax Return of Ca			rn of Capital	Net I	nvestment Loss		
\$	4,595,823	\$	247,873,753	\$	-	\$	354,193

Permanent book to tax basis differences may result in reclassifications between the components of net assets. These differences have no impact on the results of operations or net assets.

### 6. Capital Share Transactions

	Year ended	d December 31, 2023	Year ended	December 31, 2022
	Shares	Amount	Shares	Amount
Institutional Shares:				
Shares sold	1,224,720	\$ 88,891,456	859,419	\$ 67,479,327
Reinvested dividends and distributions	578,639	41,418,577	1,528,171	101,837,326
Shares repurchased	(1,623,431)	(117,101,264)	(1,585,011)	(121,768,556)
Net Increase/(Decrease)	179,928	\$ 13,208,769	802,579	\$ 47,548,097
Service Shares:				
Shares sold	1,780,953	\$115,982,113	1,300,146	\$ 92,790,148
Reinvested dividends and distributions	1,033,087	66,077,334	2,501,781	150,632,250
Shares repurchased	(2,276,110)	(149,138,371)	(2,176,698)	(160,570,006)
Net Increase/(Decrease)	537,930	\$ 32,921,076	1,625,229	\$ 82,852,392

### 7. Purchases and Sales of Investment Securities

For the year ended December 31, 2023, the aggregate cost of purchases and proceeds from sales of investment securities (excluding any short-term securities, short-term options contracts, TBAs, and in-kind transactions, as applicable) was as follows:

		Purchases of Long-	Proceeds from Sales
Purchases of	Proceeds from Sales	Term U.S. Government	of Long-Term U.S.
Securities	of Securities	Obligations	Government Obligations
\$192,115,115	\$235,372,972	\$ -	\$ -

### 8. Subsequent Event

Management has evaluated whether any events or transactions occurred subsequent to December 31, 2023 and through the date of issuance of the Portfolio's financial statements and determined that there were no material events or transactions that would require recognition or disclosure in the Portfolio's financial statements.

## Janus Henderson VIT Enterprise Portfolio Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Janus Aspen Series and Shareholders of Janus Henderson VIT Enterprise Portfolio

### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Janus Henderson VIT Enterprise Portfolio (one of the portfolios constituting Janus Aspen Series, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statements of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

### **Basis for Opinion**

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent, and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

Pricewaterhouse Coopers LLP

Denver, Colorado February 15, 2024

We have served as the auditor of one or more investment companies in Janus Henderson Funds since 1990.

### **Additional Information (unaudited)**

### **Proxy Voting Policies and Voting Record**

A description of the policies and procedures that the Portfolio uses to determine how to vote proxies relating to its portfolio securities is available without charge: (i) upon request, by calling 1-800-525-1093; (ii) on the Portfolio's website at janushenderson.com/proxyvoting; and (iii) on the SEC's website at http://www.sec.gov. Additionally, information regarding the Portfolio's proxy voting record for the most recent twelve-month period ended June 30 is also available, free of charge, through janushenderson.com/proxyvoting and from the SEC's website at http://www.sec.gov.

### **Full Holdings**

The Portfolio files its complete portfolio holdings (schedule of investments) with the SEC as an exhibit to Form N-PORT within 60 days of the end of the first and third fiscal quarters, and in the annual report and semiannual report to shareholders. The Portfolio's Form N-PORT filings and annual and semiannual reports: (i) are available on the SEC's website at http://www.sec.gov; and (ii) are available without charge, upon request, by calling a Janus Henderson representative at 1-877-335-2687 (toll free). Portfolio holdings consisting of at least the names of the holdings are generally available on a monthly basis with a 30-day lag under Full Holdings for the Portfolio at janushenderson.com/vit.

### APPROVAL OF ADVISORY AGREEMENTS DURING THE PERIOD

The Trustees of Janus Aspen Series and Janus Investment Fund, each of whom serves as an "independent" Trustee (collectively, the "Trustees"), oversee the management of each portfolio of Janus Aspen Series (each, a "VIT Portfolio," and collectively, the "VIT Portfolios"), as well as each fund of Janus Investment Fund (each, a "Fund," and collectively, the "Funds" and together with the VIT Portfolios, the "Janus Henderson Funds," and each, a "Janus Henderson Fund"). As required by law, the Trustees determine annually whether to continue the investment advisory agreement for each Janus Henderson Fund.

In connection with their most recent consideration of those agreements for each Janus Henderson Fund, the Trustees received and reviewed information provided by Janus Henderson Investors US LLC (the "Adviser") in response to requests of the Trustees and their independent legal counsel. They also received and reviewed information and analysis provided by, and in response to requests of, their independent fee consultant. Throughout their consideration of the agreements, the Trustees were advised by their independent legal counsel. The Trustees met with management to consider the agreements, and also met separately in executive session with their independent legal counsel and their independent fee consultant.

At meetings held on November 3, 2023 and December 14-15, 2023, the Trustees evaluated the information provided by the Adviser and the independent fee consultant, as well as other information provided by the Adviser and the independent fee consultant during the year. Following such evaluation, the Trustees determined that the overall arrangements between each Janus Henderson Fund and the Adviser were fair and reasonable in light of the nature, extent, and quality of the services provided by the Adviser and its affiliates, the fees charged for those services, and other matters that the Trustees considered relevant in the exercise of their business judgment, and unanimously approved the continuation of the investment advisory agreement for each Janus Henderson Fund for the period from February 1, 2024 through February 1, 2025, subject to earlier termination as provided for in each agreement.

In considering the continuation of those agreements, the Trustees reviewed and analyzed various factors that they determined were relevant, including the factors described below, none of which by itself was considered dispositive. However, the material factors and conclusions that formed the basis for the Trustees' determination to approve the continuation of the agreements are discussed separately below. Also included is a summary of the independent fee consultant's conclusions and opinions that arose during, and were included as part of, the Trustees' consideration of the agreements. "Management fees," as used herein, reflect actual annual advisory fees and, for the purpose of peer comparisons any administration fees (excluding out of pocket costs), net of any waivers, paid by a fund as a percentage of average net assets.

#### Nature, Extent and Quality of Services

The Trustees reviewed the nature, extent, and quality of the services provided by the Adviser to the Janus Henderson Funds, taking into account the investment objective, strategies, and policies of each Janus Henderson Fund, and the knowledge the Trustees gained from their regular meetings with management on at least a quarterly basis and their ongoing review of information related to the Janus Henderson Funds. In addition, the Trustees reviewed the resources and key personnel of the Adviser, particularly noting those employees who provide investment and risk management services to the Janus Henderson Funds. The Trustees also considered other services provided to the Janus Henderson

### **Additional Information (unaudited)**

Funds by the Adviser, such as managing the execution of portfolio transactions and the selection of broker-dealers for those transactions. The Trustees considered the Adviser's role as administrator to the Janus Henderson Funds, noting that the Adviser generally does not receive a fee for its services as administrator, but is reimbursed for its out-of-pocket costs. The Trustees considered the role of the Adviser in monitoring adherence to the Janus Henderson Funds' investment restrictions, providing support services for the Trustees and Trustee committees, and overseeing communications with Janus Henderson Fund shareholders and the activities of other service providers, including monitoring compliance with various policies and procedures of the Janus Henderson Funds and with applicable securities laws and regulations.

In this regard, the independent fee consultant noted that the Adviser provides a number of different services for the Janus Henderson Funds and their shareholders, ranging from investment management services to various other servicing functions, and that, in its view, the Adviser is a capable provider of those services. The independent fee consultant also provided its belief that the Adviser has developed a number of institutional competitive advantages that should enable it to provide superior investment and service performance over the long term.

The Trustees concluded that the nature, extent, and quality of the services provided by the Adviser to each Janus Henderson Fund were appropriate and consistent with the terms of the respective advisory agreements, and that, taking into account steps taken to address those Janus Henderson Funds whose performance lagged that of their peers for certain periods, the Janus Henderson Funds were likely to benefit from the continued provision of those services. They also concluded that the Adviser had sufficient personnel, with the appropriate education and experience, to serve the Janus Henderson Funds effectively and had demonstrated its ability to attract well-qualified personnel.

#### Performance of the Funds

The Trustees considered the performance results of each Janus Henderson Fund over various time periods. They noted that they considered Janus Henderson Fund performance data throughout the year, including periodic meetings with each Janus Henderson Fund's portfolio manager(s), and also reviewed information comparing each Janus Henderson Fund's performance with the performance of comparable fund peer groups identified by Broadridge Financial Solutions, Inc. ("Broadridge"), an independent data provider, and with the Janus Henderson Fund's benchmark index.

In this regard, as reported by Broadridge: (i) for the 12 months ended June 30, 2023, approximately 44% of the Janus Henderson Funds were in the top two quartiles of their Broadridge peer groups; and (ii) for the 36 months ended June 30, 2023, approximately 50% of the Janus Henderson Funds were in the top two quartiles of their Broadridge peer groups. In addition, the independent fee consultant found that the Janus Henderson Funds' average 2023 performance has been reasonable, noting that: (i) for the 12 months ended September 30, 2023, approximately 43% of the Janus Henderson Funds were in the top two quartiles of performance as reported by Morningstar; (ii) for the 36 months ended September 30, 2023, approximately 45% of the Janus Henderson Funds were in the top two quartiles of performance as reported by Morningstar; and (iii) for the 5- and 10-year periods ended September 30, 2023, approximately 63% and 66% of the Janus Henderson Funds were in the top two quartiles of performance, respectively, as reported by Morningstar.

The Trustees considered the performance of each Janus Henderson Fund, noting that performance may vary by share class, and noted the following with respect to the VIT Portfolios:

- For Janus Henderson Balanced Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Enterprise Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the third Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Flexible Bond Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the bottom Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Forty Portfolio, the Trustees noted that the VIT Portfolio's performance was in the third Broadridge quartile for the 36 months ended June 30, 2023 and the second Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted the reasons for the VIT Portfolio's underperformance, while also noting

### **Additional Information (unaudited)**

that the VIT Portfolio has a performance fee structure that results in lower management fees during periods of underperformance, the steps the Adviser had taken or was taking to improve performance, and that the performance trend was improving.

- For Janus Henderson Global Research Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge guartile for the 36 months ended June 30, 2023 and the first Broadridge guartile for the 12 months ended June 30, 2023.
- For Janus Henderson Global Sustainable Equity Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted that 36 monthend performance was not yet available.
- For Janus Henderson Global Technology and Innovation Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Mid Cap Value Portfolio, the Trustees noted that the VIT Portfolio's performance was in the bottom Broadridge quartile for the 36 months ended June 30, 2023 and the third Broadridge guartile for the 12 months ended June 30, 2023. The Trustees noted the reasons for the VIT Portfolio's underperformance, while also noting that the VIT Portfolio has a performance fee structure that results in lower management fees during periods of underperformance, the steps the Adviser had taken or was taking to improve performance.
- For Janus Henderson Overseas Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the bottom Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Research Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.

In consideration of each Janus Henderson Fund's performance, the Trustees concluded that, taking into account the factors relevant to performance, as well as other considerations, including steps taken to improve performance, as applicable, the Janus Henderson Fund's performance warranted continuation of such Janus Henderson Fund's investment advisory agreement.

#### Costs of Services Provided

The Trustees examined information regarding the fees and expenses of each Janus Henderson Fund in comparison to similar information for other comparable funds as provided by Broadridge, an independent data provider. They also reviewed an analysis of that information provided by their independent fee consultant. The independent fee consultant provided its belief that the management fees charged by the Adviser to each of the Janus Henderson Funds under the current investment advisory and administration agreements are reasonable in relation to the services provided by the Adviser. The independent fee consultant found: (1) the total expenses and management fees of the Janus Henderson Funds to be reasonable relative to other comparable mutual funds; (2) the total expenses, on average, were 8% under the average total expenses of the respective Broadridge peer group; and (3) the management fees for the Janus Henderson Funds, on average, were 6% under the average management fees for the respective Broadridge peer group. The Trustees also considered the total expenses for each share class of each Janus Henderson Fund compared to the average total expenses for its Broadridge Expense Group and to average total expenses for its Broadridge Expense Universe.

For Janus Henderson Funds with three or more years of performance history, the independent fee consultant also performed a systematic "focus list" analysis of expenses which assessed fund fees in the context of fund performance being delivered. Based on this analysis, the independent fee consultant found that the combination of service quality/performance and expenses on these individual Janus Henderson Funds was reasonable considering performance trends, performance histories, changes in portfolio management, relative average net asset levels, and the existence of performance fees, breakpoints, and/or expense waivers on such Janus Henderson Funds.

The Trustees considered the methodology used by the Adviser in determining compensation payable to portfolio managers, the competitive environment for investment management talent, and the competitive market for mutual funds in different distribution channels.

### **Additional Information (unaudited)**

The Trustees also reviewed management fees charged by the Adviser to comparable institutional/separate account clients and to comparable non-affiliated funds subadvised by the Adviser (for which the Adviser provides only or primarily portfolio management services). Although in most instances subadvisory and institutional/separate account fee rates for various investment strategies were lower than management fee rates for Janus Henderson Funds having a similar strategy, the Trustees considered that the Adviser noted that, under the terms of the management agreements with the Janus Henderson Funds, the Adviser performs significant additional services for the Janus Henderson Funds that it does not provide to those other clients, including administration services, oversight of the Janus Henderson Funds' other service providers, Trustee support, regulatory compliance, and numerous other services, and that, in serving the Janus Henderson Funds, the Adviser assumes many legal risks and other costs that it does not assume in servicing its other clients. Moreover, the Trustees noted that the independent fee consultant referenced its past analyses from 2022, which found that: (1) the management fees the Adviser charges to the Janus Henderson Funds are reasonable in relation to the management fees the Adviser charges to funds subadvised by the Adviser and to the fees the Adviser charges to its institutional separate account clients; (2) these subadvised and institutional separate accounts have different service and infrastructure needs and operate in markets very different from the retail fund market; (3) Janus Henderson mutual fund investors enjoy reasonable fees relative to the fees charged in these other markets; and (4) 9 of 11 Janus Henderson Funds had lower management fees than similar funds subadvised by the Adviser. As part of their review of the 2022 independent consultant findings, the Trustees noted that for the two Janus Henderson Funds that did not have lower management fees than similar funds subadvised by the Adviser, management fees for each were under the average of its 15(c) peer group.

The Trustees considered the fees for each Janus Henderson Fund for its fiscal year ended in 2022 and noted the following with regard to each VIT Portfolio's total expenses, net of applicable fee waivers (the VIT Portfolio's "total expenses") as reflected in the comparative information provided by Broadridge:

- For Janus Henderson Balanced Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group average for one share class, overall the VIT Portfolio's total expenses were reasonable.
- For Janus Henderson Enterprise Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Flexible Bond Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group for one share class, overall the VIT Portfolio's total expenses were reasonable. The Trustees also noted that the Adviser has contractually agreed to limit the VIT Portfolio's expenses, although this limit did not apply because the Fund's total expenses as shown were below the applicable fee limit.
- For Janus Henderson Forty Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Research Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Sustainable Equity Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Technology and Innovation Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Mid Cap Value Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Overseas Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group average for one share class, overall the VIT Portfolio's total expenses were reasonable.
- For Janus Henderson Research Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.

The Trustees reviewed information on the overall profitability to the Adviser and its affiliates from their relationships with the Janus Henderson Funds, and considered profitability data of other publicly traded mutual fund advisers. The Trustees recognized that profitability comparisons among fund managers are difficult because of the variation in the type of comparative information that is publicly available, and the profitability of any fund manager is affected by

### **Additional Information (unaudited)**

numerous factors, including the organizational structure of the particular fund manager, differences in complex size, difference in product mix, difference in types of business (mutual fund, institutional and other), differences in the types of funds and other accounts it manages, possible other lines of business, the methodology for allocating expenses and the fund manager's capital structure and cost of capital.

Additionally, the Trustees considered the estimated profitability to the Adviser from the investment management services it provided to each Janus Henderson Fund. In their review, the Trustees considered whether the Adviser receives adequate incentives and resources to manage the Janus Henderson Funds effectively. In reviewing profitability, the Trustees noted that the estimated profitability for an individual Janus Henderson Fund is necessarily a product of the allocation methodology utilized by the Adviser to allocate its expenses as part of the estimated profitability calculation. In this regard, the Trustees noted that the independent fee consultant found as part of its 2022 review, which assessed 2021 fund-level profitability, that (1) the expense allocation methodology and rationales utilized by the Adviser were reasonable and (2) no clear correlation exists between expense allocations and operating margins. The Trustees noted that the Adviser reported no changes to its allocation methodology for the 2023 15(c) process; however, at the Trustees' request, the independent fee consultant reviewed changes to the allocation methodology that were reflected in the 2021 data for the 2022 15(c) process, but were not separately analyzed by the independent fee consultant as part of its 2022 review. The independent fee consultant found the new allocation methodology and the rationale for the changes to be reasonable. Further, the independent fee consultant's analysis of fund operating margins showed de minimis impact on operating margins as a result of the changes to the allocation methodology. As part of their overall review of fund profitability, the Trustees also considered that the estimated profitability for an individual Janus Henderson Fund was influenced by a number of factors, including not only the allocation methodology selected. but also the presence of fee waivers and expense caps, and whether the Janus Henderson Fund's investment management agreement contained breakpoints or a performance fee component. The Trustees determined, after taking into account these factors, among others, that the Adviser's estimated profitability with respect to each Janus Henderson Fund was not unreasonable in relation to the services provided, and that the variation in the range of such estimated profitability among the Janus Henderson Funds was not a material factor in the Board's approval of the reasonableness of any Janus Henderson Fund's investment management fees.

The Trustees concluded that the management fees payable by each Janus Henderson Fund to the Adviser were reasonable in relation to the nature, extent, and quality of the services provided, taking into account the fees charged by other advisers for managing comparable mutual funds with similar strategies, the fees the Adviser charges to other clients, and, as applicable, the impact of fund performance on management fees payable by the Janus Henderson Funds. The Trustees also concluded that each Janus Henderson Fund's total expenses were reasonable, taking into account the size of the Janus Henderson Fund, the quality of services provided by the Adviser, the investment performance of the Janus Henderson Fund, and any expense limitations agreed to or provided by the Adviser.

### Economies of Scale

The Trustees considered information about the potential for the Adviser to realize economies of scale as the assets of the Janus Henderson Funds increase. They noted that their independent fee consultant published a report to the Trustees in 2022, which provided its research and analysis into economies of scale. The Trustees also considered the following from the independent fee consultant's 2023 report: (1) past analyses completed by it cannot confirm or deny the existence of economies of scale in the Janus Henderson complex, but the independent fee consultant provided its belief that Janus Henderson Fund investors are well-served by the fee levels, management fee breakpoints, and performance fee structures in place on the Janus Henderson Funds in light of any economies of scale that may be present at the Adviser; (2) that 28% of Janus Henderson Funds had management fee breakpoints in place whereby investors pay lower management fees as fund AUM increases; (3) that 31% of Janus Henderson Funds have low flatrate fees and performance fees where the Adviser is incentivized to invest in resources which drive Janus Henderson Fund performance; and (4) that 41% of Janus Henderson Funds have low flat-rate fees (the "Low Flat-Rate Fee Funds") versus peers where investors pay low fixed fees when the Janus Henderson Fund is small/midsized and higher fees when the Janus Henderson Fund grows in assets.

With respect to the Low Flat-Rate Fee Funds, the independent fee consultant concluded in its 2023 report that (1) 70% of such funds have contractual management fees (gross of waivers) below their respective Broadridge peer group averages; (2) to the extent there were economies of scale at the Adviser, the Adviser's general strategy of setting fixed management fees below peers appeared to share any such economies with investors even on smaller Janus Henderson Funds, which have not yet achieved those economies; and (3) by setting lower fixed fees from the start on

## Janus Henderson VIT Enterprise Portfolio Additional Information (unaudited)

the Low Flat-Rate Fee Funds, the Adviser appeared to be investing to increase the likelihood that these Janus Henderson Funds will grow to a level to achieve any economies of scale that may exist.

The Trustees also noted that the Janus Henderson Funds share directly in economies of scale through the significant investments made by the Adviser and its affiliates related to services provided to the Funds and the lower charges of third-party service providers that are based in part on the combined scale of all of the Janus Henderson Funds.

Based on all of the information reviewed, including the recent and past research and analysis conducted by the Trustees' independent fee consultant, the Trustees concluded that the current fee structure of each Janus Henderson Fund was reasonable and that the current rates of fees do reflect a sharing between the Adviser and the Janus Henderson Fund of any economies of scale that may be present at the current asset level of the Janus Henderson Fund.

#### Other Benefits to the Adviser

The Trustees also considered other benefits that accrue to the Adviser and its affiliates from their relationships with the Janus Henderson Funds. They recognized that two affiliates of the Adviser separately serve the Janus Henderson Funds as transfer agent and distributor, respectively, and the transfer agent receives compensation directly from the non-money market Janus Henderson Funds for services provided, and that such compensation contributes to the overall profitability of the Adviser and its affiliates that results from their relationship with the Janus Henderson Funds. The Trustees also considered the Adviser's past and proposed use of commissions paid by Janus Henderson Funds on portfolio brokerage transactions to obtain proprietary and third-party research products and services benefiting the Janus Henderson Fund and/or other clients of the Adviser and/or the Adviser. The Trustees concluded that the Adviser's use of these types of client commission arrangements to obtain proprietary and third-party research products and services was consistent with regulatory requirements and guidelines and was likely to benefit such Janus Henderson Funds. The Trustees also concluded that, other than the services provided by the Adviser and its affiliates pursuant to the agreements and the fees to be paid by each Janus Henderson Fund therefor, the Janus Henderson Funds and the Adviser may potentially benefit from their relationship with each other in other ways. They concluded that the Adviser and its affiliates share directly in economies of scale through the lower charges of third-party service providers that are based in part on the combined scale of the Janus Henderson Funds and other clients serviced by the Adviser and its affiliates. They also concluded that the Adviser benefits from the receipt of research products and services acquired through commissions paid on portfolio transactions of the Janus Henderson Funds and that the Janus Henderson Funds benefit from the Adviser's receipt of those products and services as well as research products and services acquired through commissions paid by other clients of the Adviser. They further concluded that the success of any Janus Henderson Fund could attract other business to the Adviser or other Janus Henderson Funds, and that the success of the Adviser could enhance the Adviser's ability to serve the Janus Henderson Funds.

### **Useful Information About Your Portfolio Report (unaudited)**

### **Management Commentary**

The Management Commentary in this report includes valuable insight as well as statistical information to help you understand how your Portfolio's performance and characteristics stack up against those of comparable indices.

If the Portfolio invests in foreign securities, this report may include information about country exposure. Country exposure is based primarily on the country of risk. A company may be allocated to a country based on other factors such as location of the company's principal office, the location of the principal trading market for the company's securities, or the country where a majority of the company's revenues are derived.

Please keep in mind that the opinions expressed in the Management Commentary are just that: opinions. They are a reflection based on best judgment at the time this report was compiled, which was December 31, 2023. As the investing environment changes, so could opinions. These views are unique and are not necessarily shared by fellow employees or by Janus Henderson in general.

### **Performance Overviews**

Performance overview graphs compare the performance of a hypothetical \$10,000 investment in the Portfolio with one or more widely used market indices. When comparing the performance of the Portfolio with an index, keep in mind that market indices are not available for investment and do not reflect deduction of expenses.

Average annual total returns are quoted for a Portfolio with more than one year of performance history. Average annual total return is calculated by taking the growth or decline in value of an investment over a period of time, including reinvestment of dividends and distributions, then calculating the annual compounded percentage rate that would have produced the same result had the rate of growth been constant throughout the period. Average annual total return does not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares.

Cumulative total returns are quoted for a Portfolio with less than one year of performance history. Cumulative total return is the growth or decline in value of an investment over time, independent of the period of time involved. Cumulative total return does not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares.

Pursuant to federal securities rules, expense ratios shown in the performance chart reflect subsidized (if applicable) and unsubsidized ratios. The total annual fund operating expenses ratio is gross of any fee waivers, reflecting the Portfolio's unsubsidized expense ratio. The net annual fund operating expenses ratio (if applicable) includes contractual waivers of the Adviser and reflects the Portfolio's subsidized expense ratio. Ratios may be higher or lower than those shown in the "Financial Highlights" in this report.

### Schedule of Investments

Following the performance overview section is the Portfolio's Schedule of Investments. This schedule reports the types of securities held in the Portfolio on the last day of the reporting period. Securities are usually listed by type (common stock, corporate bonds, U.S. Government obligations, etc.) and by industry classification (banking, communications, insurance, etc.). Holdings are subject to change without notice.

The value of each security is quoted as of the last day of the reporting period. The value of securities denominated in foreign currencies is converted into U.S. dollars.

If the Portfolio invests in foreign securities, it will also provide a summary of investments by country. This summary reports the Portfolio exposure to different countries by providing the percentage of securities invested in each country. The country of each security represents the country of risk. The Portfolio's Schedule of Investments relies upon the industry group and country classifications published by Bloomberg and/or MSCI Inc.

Tables listing details of individual forward currency contracts, futures, written options, swaptions, and swaps follow the Portfolio's Schedule of Investments (if applicable).

### Statement of Assets and Liabilities

This statement is often referred to as the "balance sheet." It lists the assets and liabilities of the Portfolio on the last day of the reporting period.

## Janus Henderson VIT Enterprise Portfolio Useful Information About Your Portfolio Report (unaudited)

The Portfolio's assets are calculated by adding the value of the securities owned, the receivable for securities sold but not yet settled, the receivable for dividends declared but not yet received on securities owned, and the receivable for Portfolio shares sold to investors but not yet settled. The Portfolio's liabilities include payables for securities purchased but not yet settled, Portfolio shares redeemed but not yet paid, and expenses owed but not yet paid. Additionally, there may be other assets and liabilities such as unrealized gain or loss on forward currency contracts.

The section entitled "Net Assets Consist of" breaks down the components of the Portfolio's net assets. Because the Portfolio must distribute substantially all earnings, you will notice that a significant portion of net assets is shareholder capital.

The last section of this statement reports the net asset value ("NAV") per share on the last day of the reporting period. The NAV is calculated by dividing the Portfolio's net assets for each share class (assets minus liabilities) by the number of shares outstanding.

### **Statement of Operations**

This statement details the Portfolio's income, expenses, realized gains and losses on securities and currency transactions, and changes in unrealized appreciation or depreciation of Portfolio holdings.

The first section in this statement, entitled "Investment Income," reports the dividends earned from securities and interest earned from interest-bearing securities in the Portfolio.

The next section reports the expenses incurred by the Portfolio, including the advisory fee paid to the investment adviser, transfer agent fees and expenses, and printing and postage for mailing statements, financial reports and prospectuses. Expense offsets and expense reimbursements, if any, are also shown.

The last section lists the amounts of realized gains or losses from investment and foreign currency transactions, and changes in unrealized appreciation or depreciation of investments and foreign currency-denominated assets and liabilities. The Portfolio will realize a gain (or loss) when it sells its position in a particular security. A change in unrealized gain (or loss) refers to the change in net appreciation or depreciation of the Portfolio during the reporting period. "Net Realized and Unrealized Gain/(Loss) on Investments" is affected both by changes in the market value of Portfolio holdings and by gains (or losses) realized during the reporting period.

#### Statements of Changes in Net Assets

These statements report the increase or decrease in the Portfolio's net assets during the reporting period. Changes in the Portfolio's net assets are attributable to investment operations, dividends and distributions to investors, and capital share transactions. This is important to investors because it shows exactly what caused the Portfolio's net asset size to change during the period.

The first section summarizes the information from the Statement of Operations regarding changes in net assets due to the Portfolio's investment operations. The Portfolio's net assets may also change as a result of dividend and capital gains distributions to investors. If investors receive their dividends and/or distributions in cash, money is taken out of the Portfolio to pay the dividend and/or distribution. If investors reinvest their dividends and/or distributions, the Portfolio's net assets will not be affected.

The reinvestment of dividends and distributions is included under "Capital Share Transactions." "Capital Shares" refers to the money investors contribute to the Portfolio through purchases or withdrawals via redemptions. The Portfolio's net assets will increase and decrease in value as investors purchase and redeem shares from the Portfolio.

#### **Financial Highlights**

This schedule provides a per-share breakdown of the components that affect the Portfolio's NAV for current and past reporting periods as well as total return, asset size, ratios, and portfolio turnover rate.

The first line in the table reflects the NAV per share at the beginning of the reporting period. The next line reports the net investment income/(loss) per share. Following is the per share total of net gains/(losses), realized and unrealized. Per share dividends and distributions to investors are then subtracted to arrive at the NAV per share at the end of the period. The next line reflects the total return for the period. The total return may include adjustments in accordance with generally accepted accounting principles required at the period end for financial reporting purposes. As a result, the total return may differ from the total return reflected for individual shareholder transactions. Also included are ratios of expenses and net investment income to average net assets.

### **Janus Henderson VIT Enterprise Portfolio Useful Information About Your Portfolio Report (unaudited)**

The Portfolio's expenses may be reduced through expense offsets and expense reimbursements. The ratios shown reflect expenses before and after any such offsets and reimbursements.

The ratio of net investment income/(loss) summarizes the income earned less expenses, divided by the average net assets of the Portfolio during the reporting period. Do not confuse this ratio with the Portfolio's yield. The net investment income ratio is not a true measure of the Portfolio's yield because it does not take into account the dividends distributed to the Portfolio's investors.

The next figure is the portfolio turnover rate, which measures the buying and selling activity in the Portfolio. Portfolio turnover is affected by market conditions, changes in the asset size of the Portfolio, fluctuating volume of shareholder purchase and redemption orders, the nature of the Portfolio's investments, and the investment style and/or outlook of the portfolio manager(s) and/or investment personnel. A 100% rate implies that an amount equal to the value of the entire portfolio was replaced once during the fiscal year; a 50% rate means that an amount equal to the value of half the portfolio is traded in a year; and a 200% rate means that an amount equal to the value of the entire portfolio is traded every six months.

## Janus Henderson VIT Enterprise Portfolio Designation Requirements (unaudited)

For federal income tax purposes, the Portfolio designated the following for the year ended December 31, 2023:

Capital Gain Distributions	\$107,495,911
Dividends Received Deduction Percentage	100%

**Trustees and Officers (unaudited)** 

The following are the Trustees and officers of the Trust, together with a brief description of their principal occupations during the last five years (principal occupations for certain Trustees may include periods over five years). The Portfolio's Statement of Additional Information includes additional information about the Trustees and officers and is available, without charge, by calling 1-877-335-2687.

Each Trustee has served in that capacity since he or she was originally elected or appointed. The Trustees do not serve a specified term of office. Each Trustee will hold office until the termination of the Trust or his or her earlier death, resignation, retirement, incapacity, or removal. Under the Portfolio's Governance Procedures and Guidelines, the policy is for Trustees to retire no later than the end of the calendar year in which the Trustee turns 75, unless extended by the Trustees. The Trustees review the Portfolio's Governance Procedures and Guidelines from time to time and may make changes they deem appropriate. The Portfolio's Nominating and Governance Committee will consider nominees for the position of Trustee recommended by shareholders. Shareholders may submit the name of a candidate for consideration by the Committee by submitting their recommendations to the Trust's Secretary. Each Trustee is currently a Trustee of one other registered investment company advised by the Adviser: Janus Investment Fund. Collectively, these two registered investment companies consist of 48 series or funds referred to herein as the Fund Complex.

The Trust's officers are elected annually by the Trustees for a one-year term. Certain officers also serve as officers of Janus Investment Fund. Certain officers of the Portfolio may also be officers and/or directors of the Adviser. Except as otherwise disclosed, Portfolio officers receive no compensation from the Portfolio, except for the Portfolio's Chief Compliance Officer, as authorized by the Trustees.

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Alan A. Brown 151 Detroit Street Denver, CO 80206 DOB: 1962	Chairman	5/22- Present 1/13- Present	Principal, Curam Holdings LLC (since 2018). Formerly, Executive Vice President, Institutional Markets, of Black Creek Group (private equity real estate investment management firm) (2012-2018), Executive Vice President and Co-Head, Global Private Client Group (2007-2010), Executive Vice President, Mutual Funds (2005-2007), and Chief Marketing Officer (2001-2005) of Nuveen Investments, Inc. (asset management).	48	Advisory Board Member of AEW Core Property Trust (open-end property fund) (since 2020), and Director of WTTW (PBS affiliate) (since 2003). Formerly, Director of MotiveQuest LLC (strategic social market research company) (2003-2016), Director of Nuveen Global Investors LLC (2007-2011), Director of Communities in Schools (2004-2010), and Director of Mutual Fund Education Alliance (until 2010).
Cheryl D. Alston 151 Detroit Street Denver, CO 80206 DOB: 1966	Trustee	8/22- Present	Executive Director and Chief Investment Officer, Employees' Retirement Fund of the City of Dallas (since 2004).	48	Director of Blue Cross Blue Shield of Kansas City (a not-for-profit health insurance provider) (since 2016) and Director of Global Life Insurance (life and supplemental health insurance provider) (since 2017). Formerly, Director of Federal Home Loan Bank of Dallas (2017-2021).

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	<b>AC</b>				
William D. Cvengros 151 Detroit Street Denver, CO 80206 DOB: 1948	Trustee	1/11- Present	Chief Executive Officer of SJC Capital, LLC (a personal investment company and consulting firm) (since 2002). Formerly, Chief Executive Officer and President of PIMCO Advisors Holdings L.P. (a publicly traded investment management firm) (1994-2000), and Chief Investment Officer (1987- 1994) and Vice Chairman and Director (1990- 1994) of Pacific Life Insurance Company (a mutual life insurance and annuity company) (1987-1994).	48	Board Member, Revitate Capital (alternate asset manager) (since 2023), Member, Limited Partner Advisory Committee, Karmel Capital Fund III (later stage growth fund) (since 2022), Member of the Investment Committee for the Orange County Community Foundation (a grantmaking foundation) (since 2020), Advisory Board Member, RevOZ Fund LP and related funds (real estate investments for opportunity zones) (since 2020), and Advisory Board Member, Innovate Partners Emerging Growth and Equity Fund I (early stage venture capital fund) (since 2014). Formerly, Managing Trustee of National Retirement Partners Liquidating Trust (2013-2016), Chairman, National Retirement Partners, Inc. (formerly a network of advisors to 401(k) plans) (2005-2013), Director of Prospect Acquisition Corp. (a special purpose acquisition corporation) (2007-2009), Director of RemedyTemp, Inc. (temporary help services company) (1996-2006), and Trustee of PIMCO Funds Multi-Manager Series (1990-2000) and Pacific Life Variable Life & Annuity Trusts (1987-1994).

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Raudline Etienne 151 Detroit Street Denver, CO 80206 DOB: 1965	Trustee	6/16- Present	Founder, Daraja Capital (advisory and investment firm) (since 2016). Formerly, Senior Vice President and Senior Advisor, Albright Stonebridge Group LLC (global strategy firm) (2011-2021), and Deputy Comptroller and Chief Investment Officer, New York State Common Retirement Fund (public pension fund) (2008- 2011).	48	Member of the Investment Committee for Cooper Union (private college) (since 2021) and Director of Brightwood Capital Advisors, LLC (since 2014). Formerly, Board Member, Van Alen Institute (nonprofit architectural and design organization) (2019-2022).

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Darrell B. Jackson 151 Detroit Street Denver, CO 80206 DOB: 1958	Trustee	8/22- Present	President and Chief Executive Officer, The Efficace Group Inc. (since 2018). Formerly, President and Chief Executive Officer, Seaway Bank and Trust Company (community bank) (2014-2015), and Executive Vice President and Co- President, Wealth Management (2009-2014), and several senior positions, including Group Executive, Senior Vice President, and Vice President (1995- 2009) of Northern Trust Company (financial services company) (1995- 2014).	48	Advisory Board Member, Dome Construction (construction) (since 2023), Director of Amalgamated Financial Corp (bank) (since August 2021), Director of YR Media (a not-for-profit production company) (since 2021), and Director of Gray-Bowen-Scott (transportation project consulting firm) (since April 2020). Formerly, Director of Delaware Place Bank (closely held commercial bank) (2016-2018) and Director of Seaway Bank and Trust Company (2014- 2015).

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
William F. McCalpin 151 Detroit Street Denver, CO 80206 DOB: 1957	Trustee	6/02- Present	Chief Executive Officer, muun chi LLC (organic food business) (since 2022) and Independent Consultant (since 2019). Formerly, Chief Operating Officer, muun chi LLC (2020-2022), Managing Partner, Impact Investments, Athena Capital Advisors LLC (independent registered investment advisor) (2016- 2019), Managing Director, Holos Consulting LLC (provides consulting services to foundations and other nonprofit organizations) (2009-2016), Chief Executive Officer, Imprint Capital Advisors (impact investment firm) (2013-2015), and Executive Vice President and Chief Operating Officer of The Rockefeller Brothers Fund (a private family foundation) (1998- 2006).	48	Chairman of the Board of The Investment Fund for Foundations Investment Program (TIP) (consisting of 1 fund) (since 2008). Formerly, Trustee, TIP (2008-2023), Director of the F.B. Heron Foundation (a private grantmaking foundation) (2006-2022), and Director of Mutual Fund Directors Forum (a nonprofit organization serving independent directors of U.S. mutual funds) (2016-2021).

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Gary A. Poliner 151 Detroit Street Denver, CO 80206 DOB: 1953	Trustee	6/16- Present	Retired. Formerly, President (2010- 2013) of Northwestern Mutual Life Insurance Company.	48	Formerly, Director of MGIC Investment Corporation (private mortgage insurance) (2013-2023), Director, West Bend Mutual Insurance Company (property/casualty insurance) (2013-2021), Trustee of Northwestern Mutual Life Insurance Company (2010-2013) and Director of Frank Russell Company (global asset management firm) (2008-2013).
Diane L. Wallace 151 Detroit Street Denver, CO 80206 DOB: 1958	Trustee	6/17- Present	Retired. Formerly, Chief Operating Officer, Senior Vice President-Operations, and Chief Financial Officer for Driehaus Capital Management, LLC (1988-2006) and Treasurer for Driehaus Mutual Funds (1996-2002).	48	Formerly, Director of Family Service of Lake County (2019-2021), Independent Trustee, Henderson Global Funds (13 portfolios) (2015-2017), Independent Trustee, State Farm Associates' Funds Trust, State Farm Mutual Fund Trust, and State Farm Variable Product Trust (28 portfolios) (2013-2017).

### **OFFICERS**

OFFICERS			
Name, Address, and Age	Positions Held with the Trust	Term of Office* and Length of Time Served	Principal Occupations During the Past Five Years
Brian Demain 151 Detroit Street Denver, CO 80206 DOB: 1977	Executive Vice President and Lead Portfolio Manager Janus Henderson Enterprise Portfolio	11/07-Present	Portfolio Manager for other Janus Henderson accounts.
Cody Wheaton 151 Detroit Street Denver, CO 80206 DOB: 1978	Executive Vice President and Co-Portfolio Manager Janus Henderson Enterprise Portfolio	7/16-Present	Portfolio Manager for other Janus Henderson accounts and Analyst for the Adviser.
Michelle Rosenberg 151 Detroit Street Denver, CO 80206 DOB: 1973	President and Chief Executive Officer	9/22-Present	General Counsel and Corporate Secretary of Janus Henderson Investors (since 2018). Formerly, Interim President and Chief Executive Officer of the Trust and Janus Investment Fund (2022), Senior Vice President and Head of Legal, North America of Janus Henderson Investors (2017-2018) and Deputy General Counsel of Janus Henderson US (Holdings) Inc. (2015-2018).

<sup>\*</sup> Officers are elected at least annually by the Trustees for a one-year term and may also be elected from time to time by the Trustees for an interim period.

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Name, Address, and Age	Positions Held with the Trust	Term of Office* and Length of Time Served	Principal Occupations During the Past Five Years
Kristin Mariani 151 Detroit Street Denver, CO 80206 DOB: 1966	Vice President and Chief Compliance Officer	7/20-Present	Head of Compliance, North America at Janus Henderson Investors (since September 2020) and Chief Compliance Officer at Janus Henderson Investors US LLC (since September 2017). Formerly, Anti-Money Laundering Officer for the Trust and Janus Investment Fund (July 2020-December 2022), Global Head of Investment Management Compliance at Janus Henderson Investors (February 2019-August 2020), Vice President, Head of Global Distribution Compliance and Chief Compliance Officer at Janus Henderson Distributors US LLC (May 2017-September 2017), Vice President, Compliance at Janus Henderson US (Holdings) Inc., Janus Henderson Investors US LLC, and Janus Henderson Distributors US LLC (2009-2017).
Jesper Nergaard 151 Detroit Street Denver, CO 80206 DOB: 1962	Chief Financial Officer  Vice President, Treasurer, and Principal Accounting Officer	3/05-Present 2/05-Present	Head of U.S. Fund Administration, Janus Henderson Investors and Janus Henderson Services US LLC.
Abigail J. Murray 151 Detroit Street Denver, CO 80206 DOB: 1975	Vice President, Chief Legal Counsel, and Secretary	12/20-Present	Managing Counsel (since 2020). Formerly, Senior Counsel for Invesco Ltd. (2017-2020).
Ciaran Askin 151 Detroit Street Denver, CO 80206 DOB: 1978	Anti-Money Laundering Officer	12/22-Present	Global Head of Financial Crime, Janus Henderson Investors (since 2022). Formerly, Global Head of Financial Crime for Invesco Ltd. (2017-2022).

<sup>\*</sup> Officers are elected at least annually by the Trustees for a one-year term and may also be elected from time to time by the Trustees for an interim period.



### **Janus Henderson VIT Forty Portfolio**

Janus Aspen Series

### HIGHLIGHTS

- Portfolio management perspective
- Investment strategy behind your portfolio
- Portfolio performance, characteristics and holdings



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## Janus Henderson VIT Forty Portfolio

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### Janus Henderson VIT Forty Portfolio (unaudited)







Brian Recht co-portfolio manager

Doug Rao co-portfolio manager

co-portfolio manager

### PERFORMANCE OVERVIEW

For the 12-month period ended December 31, 2023, Janus Henderson VIT Forty Portfolio's Institutional Shares and Service Shares returned 39.96% and 39.65%. respectively, versus a return of 42.68% for the Portfolio's primary benchmark, the Russell 1000® Growth Index. The Portfolio's secondary benchmark, the S&P 500® Index, returned 26.29% for the period.

#### INVESTMENT ENVIRONMENT

The balancing act involved in taming inflation while preventing a recession presented complications and bouts of volatility over the period. Most notable was the March collapse of Silicon Valley Bank and other regional banks. However, the Federal Reserve (Fed) responded swiftly to restore confidence in the banking system, slowing deposit outflows, preventing more systemic issues, and calming market fears.

The stock market largely climbed from the beginning of the period through July, driven by optimism about the slowing pace of interest rate hikes and positive economic fundamentals. Excitement surrounding artificial intelligence (AI) and related technologies also boosted market sentiment. However, stock market returns were fairly narrow in breadth, driven by a handful of large- and mega-cap stocks linked to Al developments. In July, the S&P 500 reached an 18-month peak, but market optimism briefly reversed course in the third quarter on fears of sustained higher interest rates, the Fitch downgrade of U.S. debt (from AAA to AA+), and growing worries about China's lagging economic growth.

Still, U.S. gross domestic product (GDP) continued to exceed expectations in the second half of the year, and corporate earnings remained relatively strong, aided by reduced input costs. Inflation moderated, helped by softening energy prices. After four interest rate increases in 2023, markets cheered when the Fed took a decidedly dovish pivot in December, guiding toward the potential for multiple rate cuts in 2024. With still relatively robust GDP growth and low unemployment, the Fed now expects a soft-landing scenario for the U.S. economy.

The S&P 500 posted a gain of 26.29% for 2023, largely driven by strength in technology stocks. The communication services and consumer discretionary sectors also beat the broader market.

### PERFORMANCE DISCUSSION

The Portfolio underperformed its primary benchmark, the Russell 1000 Growth Index, but outperformed its secondary benchmark, the S&P 500 Index, during the year ended December 31, 2023. Stock selection in the Portfolio detracted from performance relative to the primary benchmark during the period.

As part of our investment strategy, we seek companies that have built clear, sustainable, and competitive moats around their businesses, giving them the potential to grow market share within their respective industries over time. Important competitive advantages could include a strong brand, network effects from a product or service that would be hard for a competitor to replicate, a lower cost structure than competitors in the industry, a distribution advantage, or patent protection over valuable intellectual property. We think emphasizing these sustainable competitive advantages can be a meaningful driver of outperformance over longer time horizons.

Stocks linked to AI were among the period's best performers, including one of the Portfolio's top relative contributors, Meta. The stock's gains were driven by significant upward earnings estimate revisions during the year. In fact, estimates have risen so much over the last 12 months that entering 2023, Meta's stock was trading

### Janus Henderson VIT Forty Portfolio (unaudited)

at only seven times earnings when considering the current consensus 2024 estimates. Investor sentiment improved as management took steps to increase efficiencies after overextended operations in the wake of the pandemic. The company continued to benefit from its cost rationalization program following a year in which it faced headwinds from a slowing online advertising market. Investors also hoped that AI initiatives could buttress advertising revenues despite a tougher macroeconomic backdrop.

Advanced Micro Devices (AMD) was also among the top relative contributors. The company produces a suite of semiconductor chips, and investors are particularly excited about AMD's new opportunities tied to Al. The company's recent launch of its new MI300x GPU accelerator has demonstrated broad customer momentum and favorable performance metrics. Later in the period, the stock outperformed as investors became more optimistic about a potential resurgence in chip demand in 2024. AMD also reported better-than-expected revenue growth for the third quarter of 2023, reflecting strong demand for its products from data centers and indicating a solid revenue outlook for 2024.

Workday Inc., an enterprise management software provider, was a top contributor after exceeding revenue and earnings estimates. Robust demand for its financial and human capital management solutions across diverse sectors and AI integrations drove performance. By raising its 2024 subscription revenue guidance, Workday indicated continued growth and market strength.

Illumina, a leader in advanced tools used for genetic sequencing, was among the top detractors for the period. In August, management reduced its 2023 revenue growth forecast as the company experienced a challenging life science end-market alongside other tool companies. In addition, about 10% of the company's revenue has been derived from China, which is experiencing weakness amid a slow COVID-19 recovery.

Deere & Company, an agricultural equipment manufacturer, was also among the top relative detractors. Despite reporting strong fiscal year earnings, the share price fell amid a more cautious 2024 industry outlook. Lower sales forecasts, market uncertainties around farm fundamentals, and elevated interest rates contributed to the company's conservative outlook, particularly in Brazil. We continue to assess Deere's position in its business cycle as the company may be closer to the bottom than mid-cycle. We also recognize its investments in

competitive advantages beyond its agricultural roots and are encouraged by improving business fundamentals.

Financial services company Charles Schwab was among the top detractors. Earlier in the period, Schwab was partly hurt by lower bank deposit account fees as customers shifted cash balances into higher-yielding assets. The company was also impacted by a general sell-off in financials related to the failures of Silicon Valley Bank and Signature Bank, as investors considered the broader implications for the banking industry. Later in the period, the stock declined sharply after the brokerage firm announced a cost-cutting plan that featured hefty one-time charges. Negative sentiment surrounded the firm's plan to lay off staff and reduce its office footprint. We exited our position in the stock during the period.

### **OUTLOOK**

"Another challenging year for stocks in 2023. We see the S&P 500 landing somewhere between 2,800 (pessimistic) and 3,400 (optimistic) at year-end 2023."

This is one of many headlines written a year ago by leading macro-economists, nearly all of whom were negative on the equity backdrop in 2023. However, the S&P 500 ended 2023 up over 24% (at nearly 4,800), and the NASDAQ Index had its best year in a quarter century. We do not claim to have more informed macroanalysis than these economists, but we do recognize the exceptional difficulty in predicting market performance in any given year. Instead, our focus remains on constructing a portfolio of 35-40 highly resilient and innovative companies.

American capitalism has consistently shown remarkable resiliency in the face of adversity. During COVID-19, for instance, restaurants adapted by implementing individualized outdoor pods, while travel companies streamlined their expenses to maximize cash flow before travel resumed. While the economy and capital markets will surely have ups and downs, we believe we can grow invested capital by owning resilient and high-quality companies. Further, we seek companies gaining market share and operating in end markets that are poised for faster growth than the overall economy.

The question then becomes: what end markets should structurally grow faster than the broader economy over the next decade? We believe three megatrends will shape the investment landscape – deglobalization, digitization, and decarbonization.

### Janus Henderson VIT Forty Portfolio (unaudited)

In 2020, the shortcomings of globalization were exposed during the pandemic, leading to disruptions in supply chains and inventory shortages. When combined with increasing geopolitical tensions, we believe the investment environment for the next decade will be marked by deglobalization, in contrast to globalization over the prior two decades. Deglobalization may drive companies to onshore more production, potentially resulting in structurally higher inflation as well as capital and labor costs. One of the companies we own in the portfolio is a large global producer of industrial gases such as oxygen, nitrogen, and hydrogen. As onshoring increases, we believe this company is well positioned to benefit as these gases are crucial for the construction of new domestic fabrication plants and food storage facilities.

Digitization is another megatrend we anticipate will continue to outpace the overall economy. A company we bought in the fourth quarter is a large online commerce platform with operations in numerous Central and South American countries that we believe should benefit from increased digitization. E-commerce penetration is only around 12% in Latin America versus approximately 20% in the U.S., setting the region up for many more years of growth and share gains.

Regarding decarbonization, Deere & Company exemplifies this theme as the company transitions from a cyclical machinery manufacturer to a technology leader specializing in precision agriculture. By using software and technology to optimize planting spaces, Deere can help farmers increase yields and reduce fertilizer usage. Given that agriculture accounts for approximately 10% of greenhouse gas emissions<sup>2</sup> and that up to 80% of fertilizer products are derived from natural gas,3 Deere supports agricultural productivity and global decarbonization.

While we do not believe that 2024 market gains will replicate those of 2023, we seek to own a portfolio of companies that are aligned with these megatrends and could continue to compound and take share through a variety of market and economic environments.

Thank you for your investment in Janus Henderson VIT Forty Portfolio.

- <sup>2</sup> EPA, "Total U.S. Greenhouse Gas Emissions by Economic Sector." 2021
- <sup>3</sup> America Gas Association, "Natural Gas Critical to Agriculture Sector." March 22, 2023

### Important Notice – Tailored Shareholder Reports

Effective January 24, 2023, the Securities and Exchange Commission (the "SEC") adopted rule and form amendments that require mutual funds and exchangetraded funds to provide shareholders with streamlined annual and semi-annual shareholder reports that highlight key information. Other information, including financial statements, that currently appears in shareholder reports will be made available online, delivered free of charge to shareholders upon request, and filed with the SEC. The first tailored shareholder report for the Portfolio will be for the reporting period ending June 30, 2024. Currently, management is evaluating the impact of the rule and form amendments on the content of the Portfolio's current shareholder reports.

<sup>&</sup>lt;sup>1</sup> Trahan Macro Research, "Another Challenging Year for Stocks in 2023." January 4, 2023

### Janus Henderson VIT Forty Portfolio (unaudited) Portfolio At A Glance December 31, 2023

### **5 Top Contributors - Holdings**

### **5 Top Detractors - Holdings**

	Average	Relative		Average	Relative
	Weight	Contribution		Weight	Contribution
Meta Platforms Inc - Class A	3.70%	2.50%	Illumina Inc	1.57%	-1.74%
Advanced Micro Devices Inc	2.70%	1.50%	Deere & Co	2.85%	-1.48%
Workday Inc - Class A	4.19%	0.79%	Charles Schwab Corp	1.08%	-1.10%
Booking Holdings Inc	2.59%	0.73%	Danaher Corp	2.33%	-1.06%
Blackstone Group Inc	2.34%	0.73%	Mastercard Inc	6.20%	-0.98%

### 5 Top Contributors - Sectors\*

			Russell 1000
	Relative	Portfolio	Growth Index
	Contribution	Average Weight	Average Weight
Consumer Staples	1.75%	1.05%	5.00%
Communication Services	1.64%	7.08%	9.41%
Energy	0.73%	0.00%	0.96%
Utilities	0.02%	0.00%	0.05%
Financials	-0.12%	10.94%	5.82%

### 5 Top Detractors - Sectors\*

			Russell 1000
	Relative	Portfolio	Growth Index
	Contribution	Average Weight	Average Weight
Health Care	-2.21%	11.06%	11.45%
Real Estate	-0.99%	3.31%	1.18%
Materials	-0.94%	3.65%	1.00%
Industrials	-0.74%	6.52%	6.88%
Other**	-0.66%	2.02%	0.00%

Relative contribution reflects how the portolio's holdings impacted return relative to the benchmark. Cash and securities not held in the portfolio are not shown. For equity portfolios, relative contribution compares the performance of a security in the portfolio to the benchmark's total return, factoring in the difference in weight of that security in the benchmark. Returns are calculated using daily returns and previous day ending weights rolled up by ticker, excluding fixed income securities, gross of advisory fees, may exclude certain derivatives and will differ from actual performance. Performance attribution reflects returns gross of advisory fees and may differ from actual returns as they are based on end of day holdings. Attribution is calculated by geometrically linking daily returns for the portfolio and index.

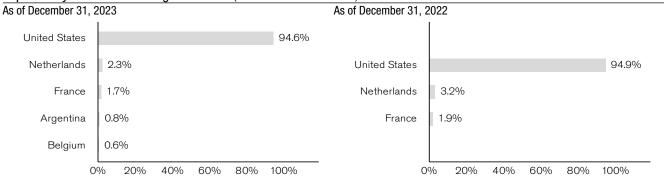
<sup>\*</sup> Based on sector classification according to the Global Industry Classification Standard ("GICS") codes, which are the exclusive property and a service mark of MSCI Inc. and Standard & Poor's.

<sup>\*\*</sup> Not a GICS classified sector.

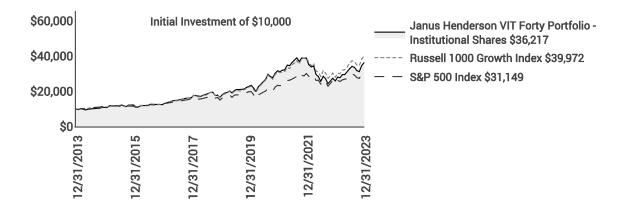
### Janus Henderson VIT Forty Portfolio (unaudited) **Portfolio At A Glance December 31, 2023**

5 Largest Equity Holdings - (% of Net Assets)		Asset Allocation - (% of Net Assets)	
Microsoft Corp		Common Stocks	98.7%
Software	11.0%	Investment Companies	1.4%
Amazon.com Inc		Investments Purchased with Cash	
Multiline Retail	6.5%	Collateral from Securities Lending	0.1%
Apple Inc		Other	(0.2)%
Technology Hardware, Storage & Peripherals	6.2%		100,0%
Mastercard Inc			
Diversified Financial Services	5.6%		
Meta Platforms Inc - Class A			
Interactive Media & Services	5.1%		
	34.4%		

### Top Country Allocations - Long Positions - (% of Investment Securities)



## Janus Henderson VIT Forty Portfolio (unaudited) Performance



Average Annual Total Return	Prospectus Expense Ratios				
	One Year	Five Year	Ten Year	Since Inception*	Total Annual Fund Operating Expenses <sup>‡</sup>
Institutional Shares	39.96%	16.92%	13.73%	12.07%	0.55%
Service Shares	39.65%	16.64%	13.45%	11.77%	0.80%
Russell 1000 Growth Index	42.68%	19.50%	14.86%	9.43%	
S&P 500 Index	26.29%	15.69%	12.03%	8.93%	
Morningstar Quartile - Institutional Shares	2nd	2nd	1st	1st	
Morningstar Ranking - based on total returns for Large Growth					
Funds	520/1,212	341/1,096	173/1,012	11/496	

Returns quoted are past performance and do not guarantee future results; current performance may be lower or higher. Investment returns and principal value will vary; there may be a gain or loss when shares are sold. For the most recent month-end performance call 800.668.0434 or visit janushenderson.com/VITperformance.

This Portfolio has a performance-based management fee that may adjust up or down based on the Portfolio's performance.

Performance may be affected by risks that include those associated with foreign and emerging markets, fixed income securities, high-yield and high-risk securities, undervalued, overlooked and smaller capitalization companies, real estate related securities including Real Estate Investment Trusts (REITs), Environmental, Social and Governance (ESG) factors, non-diversification, portfolio turnover, derivatives, short sales, initial public offerings (IPOs) and potential conflicts of interest. Each product has different risks. Please see the prospectus for more information about risks, holdings and other details.

High absolute short-term performance is not typical and may not be achieved in the future. Such results should not be the sole basis for evaluating material facts in making an investment decision.

Returns do not reflect the deduction of fees, charges or expenses of any insurance product or qualified plan. If applied, returns would have been lower.

Returns include reinvestment of all dividends and distributions and do not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares. The returns do not include adjustments in accordance with generally accepted accounting principles required at the period end for financial reporting purposes.

Performance for Service Shares prior to December 31, 1999 reflects the performance of Institutional Shares, adjusted to reflect the expenses of Service Shares.

Ranking is for the share class shown only; other classes may have different performance characteristics.

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See important disclosures on the next page.

### Janus Henderson VIT Forty Portfolio (unaudited) **Performance**

There is no assurance that the investment process will consistently lead to successful investing.

See Notes to Schedule of Investments and Other Information for index definitions.

Index performance does not reflect the expenses of managing a portfolio as an index is unmanaged.

See "Useful Information About Your Portfolio Report."

Mr. Rao intends to retire from Janus Henderson Investors effective on or about December 31, 2024.

\*The Portfolio's inception date - May 1 ,1997

‡ As stated in the prospectus. See Financial Highlights for actual expense ratios during the reporting period.

### Janus Henderson VIT Forty Portfolio (unaudited) Expense Examples

As a shareholder of the Portfolio, you incur two types of costs: (1) transaction costs and (2) ongoing costs, including management fees; 12b-1 distribution and shareholder servicing fees (applicable to Service Shares only); transfer agent fees and expenses payable pursuant to the Transfer Agency Agreement; and other Portfolio expenses. This example is intended to help you understand your ongoing costs (in dollars) of investing in the Portfolio and to compare these costs with the ongoing costs of investing in other mutual funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. The example is based upon an investment of \$1,000 invested at the beginning of the period and held for the sixmonths indicated, unless noted otherwise in the table and footnotes below.

### **Actual Expenses**

The information in the table under the heading "Actual" provides information about actual account values and actual expenses. You may use the information in these columns, together with the amount you invested, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number in the appropriate column for your share class under the heading entitled "Expenses Paid During Period" to estimate the expenses you paid on your account during the period.

### **Hypothetical Example for Comparison Purposes**

The information in the table under the heading "Hypothetical (5% return before expenses)" provides information about hypothetical account values and hypothetical expenses based upon the Portfolio's actual expense ratio and an assumed rate of return of 5% per year before expenses, which is not the Portfolio's actual return. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the Portfolio and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. Additionally, for an analysis of the fees associated with an investment in either share class or other similar funds, please visit www.finra.org/fundanalyzer.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transaction costs, such as any charges at the separate account level or contract level. These fees are fully described in the Portfolio's prospectuses. Therefore, the hypothetical examples are useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if these transaction costs were included, your costs would have been higher.

		Actu	ual	(50	Hypothe 6 return befo		
	Beginning Account Value (7/1/23)	Ending Account Value (12/31/23)	Expenses Paid During Period (7/1/23 - 12/31/23)†	Beginning Account Value (7/1/23)	Ending Account Value (12/31/23)	Expenses Paid During Period (7/1/23 - 12/31/23)†	Net Annualized Expense Ratio (7/1/23 - 12/31/23)
Institutional Shares	\$1,000.00	\$1,103.90	\$2.97	\$1,000.00	\$1,022.38	\$2.85	0.56%
Service Shares	\$1,000.00	\$1,102.60	\$4.24	\$1,000.00	\$1,021.17	\$4.08	0.80%

<sup>†</sup>Expenses Paid During Period are equal to the Net Annualized Expense Ratio multiplied by the average account value over the period, multiplied by 184/365 (to reflect the one-half year period). Expenses in the examples include the effect of applicable fee waivers and/or expense reimbursements, if any. Had such waivers and/or reimbursements not been in effect, your expenses would have been higher. Please refer to the Notes to Financial Statements or the Portfolio's prospectuses for more information regarding waivers and/or reimbursements.

### **Janus Henderson VIT Forty Portfolio** Schedule of Investments December 31, 2023

Common Stocks
Howmet Aerospace Inc
Automobiles – 0.5% Rivian Automotive Inc - Class A*-# 238,946 5,605,673 Rivian Automotive Inc - Class A*-# 238,946 Shops and F 1.89%
Rivian Automotive Inc - Class A*-#       238,946       5,605,673         Banks - 1.8%       105,628       17,967,323         Biotechnology - 5.0%       154,197       23,895,909         AbbVie Inc       154,197       23,895,909         Argenx SE (ADR)*       15,859       6,033,239         Madrigal Pharmaceuticals Inc*       35,642       8,246,846         Vertex Pharmaceuticals Inc*       32,262       13,127,085         Capital Markets - 1.8%       140,122       18,344,772         Chemicals - 1.8%       140,122       18,344,772         Chemicals - 1.8%       44,315       18,200,614         Linde PLC       44,315       18,200,614         Diversified Financial Services - 5.6%       44,658       10,754,540         Healcrical Equipment - 1.1%       44,658       10,754,540         Health Care Equipment & Supplies - 1.7%       44,658       10,754,540         Health Care Providers & Services - 2.7%       17,237,732         Health Care Providers & Services - 2.7%       52,650       27,718,645         Hotels, Restaurants & Leisure - 4.2%       80,719,258         Booking Holdings Inc*       9,764       34,635,056         Caesars Entertainment Inc*       43,354,314
Banks - 1.8%
Biotechnology - 5.0%
AbbVie Inc Argenx SE (ADR)* Argenx SE (ADR)* Madrigal Pharmaceuticals Inc* Madrigal Pharmaceuticals Inc* Vertex Pharmaceuticals Inc* Vertex Pharmaceuticals Inc*  Capital Markets – 1.8% Blackstone Group Inc Chemicals – 1.8% Linde PLC Diversified Financial Services – 5.6% Mastercard Inc Electrical Equipment – 1.1% Eaton Corp PLC Health Care Equipment & Supplies – 1.7% Abbott Laboratories Health Care Equipment & Supplies – 2.7% UnitedHealth Group Inc Hotels, Restaurants & Leisure – 4.2% Booking Holdings Inc* Caesars Entertainment Inc*  154,197 15,859 15,859 15,859 115,85
Argenx SE (ADR)* Madrigal Pharmaceuticals Inc* Madrigal Pharmaceuticals Inc* Vertex Pharmaceuticals Inc* Vertex Pharmaceuticals Inc*  Capital Markets – 1.8% Blackstone Group Inc Chemicals – 1.8% Linde PLC Diversified Financial Services – 5.6% Mastercard Inc Electrical Equipment – 1.1% Eaton Corp PLC Health Care Equipment & Supplies – 1.7% Abbott Laboratories Health Care Providers & Services – 2.7% United Health Group Inc Hotels, Restaurants & Leisure – 4.2% Booking Holdings Inc* Caesars Entertainment Inc*  15,859 5,033,239 8,246,846 8,246,8
Madrigal Pharmaceuticals Inc*       35,642       8,246,846         Vertex Pharmaceuticals Inc*       32,262       13,127,085         Capital Markets – 1.8%       51,303,079         Blackstone Group Inc       140,122       18,344,772         Chemicals – 1.8%       44,315       18,200,614         Linde PLC       44,315       18,200,614         Diversified Financial Services – 5.6%       134,038       57,168,547         Electrical Equipment – 1.1%       44,658       10,754,540         Eaton Corp PLC       44,658       10,754,540         Health Care Equipment & Supplies – 1.7%       44,658       10,754,540         Abbott Laboratories       156,607       17,237,732         Health Care Providers & Services – 2.7%       52,650       27,718,645         UnitedHealth Group Inc       52,650       27,718,645         Hotels, Restaurants & Leisure – 4.2%       80king Holdings Inc*       9,764       34,635,056         Caesars Entertainment Inc*       185,991       8,719,258
Vertex Pharmaceuticals Inc*       32,262       13,127,085         Capital Markets – 1.8%       51,303,079         Blackstone Group Inc       140,122       18,344,772         Chemicals – 1.8%       140,122       18,344,772         Linde PLC       44,315       18,200,614         Diversified Financial Services – 5.6%       3134,038       57,168,547         Mastercard Inc       134,038       57,168,547         Electrical Equipment – 1.1%       44,658       10,754,540         Eaton Corp PLC       44,658       10,754,540         Health Care Equipment & Supplies – 1.7%       Abbott Laboratories       156,607       17,237,732         Health Care Providers & Services – 2.7%       52,650       27,718,645         UnitedHealth Group Inc       52,650       27,718,645         Hotels, Restaurants & Leisure – 4.2%       9,764       34,635,056         Booking Holdings Inc*       9,764       34,635,056         Caesars Entertainment Inc*       185,991       8,719,258
Capital Markets – 1.8%       51,303,079         Blackstone Group Inc       140,122       18,344,772         Chemicals – 1.8%       44,315       18,200,614         Linde PLC       44,315       18,200,614         Diversified Financial Services – 5.6%       134,038       57,168,547         Electrical Equipment – 1.1%       44,658       10,754,540         Eaton Corp PLC       44,658       10,754,540         Health Care Equipment & Supplies – 1.7%       45,607       17,237,732         Health Care Providers & Services – 2.7%       156,607       17,237,732         United Health Group Inc       52,650       27,718,645         Hotels, Restaurants & Leisure – 4.2%       9,764       34,635,056         Booking Holdings Inc*       9,764       34,635,056         Caesars Entertainment Inc*       185,991       8,719,258
Blackstone Group Inc
Chemicals – 1.8%       44,315       18,200,614         Diversified Financial Services – 5.6%       34,038       57,168,547         Mastercard Inc       134,038       57,168,547         Electrical Equipment – 1.1%       44,658       10,754,540         Eaton Corp PLC       44,658       10,754,540         Health Care Equipment & Supplies – 1.7%       156,607       17,237,732         Health Care Providers & Services – 2.7%       156,607       27,718,645         United Health Group Inc       52,650       27,718,645         Hotels, Restaurants & Leisure – 4.2%       800king Holdings Inc*       9,764       34,635,056         Caesars Entertainment Inc*       185,991       8,719,258         43,354,314
Linde PLC       44,315       18,200,614         Diversified Financial Services – 5.6%       34,038       57,168,547         Mastercard Inc       134,038       57,168,547         Electrical Equipment – 1.1%       44,658       10,754,540         Eaton Corp PLC       44,658       10,754,540         Health Care Equipment & Supplies – 1.7%       156,607       17,237,732         Health Care Providers & Services – 2.7%       UnitedHealth Group Inc       52,650       27,718,645         Hotels, Restaurants & Leisure – 4.2%       80king Holdings Inc*       9,764       34,635,056         Caesars Entertainment Inc*       185,991       8,719,258         43,354,314       43,354,314
Diversified Financial Services – 5.6%       134,038       57,168,547         Mastercard Inc       134,038       57,168,547         Electrical Equipment – 1.1%       44,658       10,754,540         Eaton Corp PLC       44,658       10,754,540         Health Care Equipment & Supplies – 1.7%       156,607       17,237,732         Health Care Providers & Services – 2.7%       UnitedHealth Group Inc       52,650       27,718,645         Hotels, Restaurants & Leisure – 4.2%       80king Holdings Inc*       9,764       34,635,056         Caesars Entertainment Inc*       185,991       8,719,258         43,354,314
Electrical Equipment – 1.1%     Eaton Corp PLC     Health Care Equipment & Supplies – 1.7%     Abbott Laboratories     Health Care Providers & Services – 2.7%     United Health Group Inc     Hotels, Restaurants & Leisure – 4.2%     Booking Holdings Inc*     Caesars Entertainment Inc*     185,991     34,635,056     44,658     10,754,540     17,237,732     156,607     17,237,732     17,237,732     17,237,732     17,237,732     185,950     27,718,645     185,991     34,635,056     43,354,314
Eaton Corp PLC Health Care Equipment & Supplies – 1.7% Abbott Laboratories Health Care Providers & Services – 2.7% United Health Group Inc Hotels, Restaurants & Leisure – 4.2% Booking Holdings Inc* Caesars Entertainment Inc*  10,754,540 17,237,732 156,607 17,237,732 17,237,732 17,237,732 185,650 27,718,645 185,991 27,718,645 185,991 34,635,056 185,991 43,354,314
Health Care Équipment & Supplies – 1.7%       156,607       17,237,732         Abbott Laboratories       156,607       17,237,732         Health Care Providers & Services – 2.7%       52,650       27,718,645         Hotels, Restaurants & Leisure – 4.2%       9,764       34,635,056         Booking Holdings Inc*       9,764       34,635,056         Caesars Entertainment Inc*       185,991       8,719,258         43,354,314
Abbott Laboratories 156,607 17,237,732  Health Care Providers & Services – 2.7%  UnitedHealth Group Inc 52,650 27,718,645  Hotels, Restaurants & Leisure – 4.2%  Booking Holdings Inc* 9,764 34,635,056  Caesars Entertainment Inc* 185,991 8,719,258  43,354,314
UnitedHealth Group Inc       52,650       27,718,645         Hotels, Restaurants & Leisure – 4.2%       9,764       34,635,056         Booking Holdings Inc*       9,764       34,635,056         Caesars Entertainment Inc*       185,991       8,719,258         43,354,314
Booking Holdings Inc*       9,764       34,635,056         Caesars Entertainment Inc*       185,991       8,719,258         43,354,314
Caesars Entertainment Inc*       185,991       8,719,258         43,354,314
43,354,314
Progressive Corp/The 137,426 21,889,213
Interactive Media & Services – 9.5%
Alphabet Inc - Class C* 325,616 45,889,063
Meta Platforms Inc - Class A*       147,024       52,040,615         97,929,678
Life Sciences Tools & Services – 3.6%
Danaher Corp 96,359 22,291,691
Illumina Inc* 107,179 14,923,604
37,215,295
Machinery – 2.2%  Deere & Co 57,082 22,825,379
Metals & Mining – 1.0%
Freeport-McMoRan Inc 241,994 10,301,685
Multiline Retail – 7.4%
Amazon.com Inc*       440,878       66,987,003         MercadoLibre Inc*       5,477       8,607,325
75,594,328
Pharmaceuticals – 1.8%
Eli Lilly & Co 32,306 18,831,814
Real Estate Management & Development – 2.4%
CoStar Group Inc* 284,883 24,895,925 Semiconductor & Semiconductor Equipment – 10.7%
Advanced Micro Devices Inc*  92,768  13,674,931
ASML Holding NV 31,614 23,929,269
Marvell Technology Inc 222,393 13,412,522
NVIDIA Corp 87,422 43,293,123
Texas Instruments Inc 94,112 16,042,332
Software – 18.3%
Adobe Inc* 35,527 21,195,408
Atlassian Corp - Class A* 52,353 12,452,685

See Notes to Schedule of Investments and Other Information and Notes to Financial Statements.

### **Janus Henderson VIT Forty Portfolio Schedule of Investments December 31, 2023**

	Shares or Principal Amounts	Value
Common Stocks- (continued)	•	
Software– (continued)		
Microsoft Corp	301,843	\$113,505,042
Workday Inc - Class A*	148,075	40,877,584
		188,030,719
Specialized Real Estate Investment Trusts (REITs) - 1.8%		
American Tower Corp	86,973	18,775,731
Specialty Retail – 1.8%		
TJX Cos Inc	194,054	18,204,206
Technology Hardware, Storage & Peripherals – 6.2%	000 400	00.040.440
Apple Inc	328,486	63,243,410
Textiles, Apparel & Luxury Goods – 1.6%	00.001	10,007,077
LVMH Moet Hennessy Louis Vuitton SE	20,831	16,867,877
Total Common Stocks (cost \$570,220,657)		1,014,284,056
Investment Companies – 1.4%		
Money Markets – 1.4%	1.4.475.100	1.4.450.000
Janus Henderson Cash Liquidity Fund LLC, 5.3879% .c (cost \$14,477,647)	14,475,108	14,478,003
Investments Purchased with Cash Collateral from Securities Lending- 0.1%		
Investment Companies – 0.1%		
Janus Henderson Cash Collateral Fund LLC, 5.2936%®,£	1,156,686	1,156,686
Time Deposits – 0%	4000 450	000 450
Royal Bank of Canada, 5.3100%, 1/2/24	\$289,172	289,172
Total Investments Purchased with Cash Collateral from Securities Lending (cost \$1,44	15,858)	1,445,858
Total Investments (total cost \$586,144,162) – 100.2%		1,030,207,917
Liabilities, net of Cash, Receivables and Other Assets – (0.2)%		(2,225,517)
Net Assets – 100%		\$1,027,982,400

### Summary of Investments by Country - (Long Positions) (unaudited)

	W.1	% of Investment
Country	Value	Securities
United States	\$974,770,207	94.6 %
Netherlands	23,929,269	2.3
France	16,867,877	1.7
Argentina	8,607,325	8.0
Belgium	6,033,239	0.6
Total	\$1,030,207,917	100.0 %

### **Janus Henderson VIT Forty Portfolio Schedule of Investments December 31, 2023**

### Schedules of Affiliated Investments - (% of Net Assets)

		Dividend Income		Realized Gain/(Loss)	Change in Unrealized Appreciation/ Depreciation	Value at 12/31/23
Investment Companies - 1.4% Money Markets - 1.4%						
Janus Henderson Cash Liquidity Fund LLC, 5.3879%°	\$	892,161	\$	2,401	\$ (1,897)	\$ 14,478,003
Investments Purchased with Cash Collateral fr Investment Companies - 0.1%	om Securiti	es Lending - 0.1%	6			
Janus Henderson Cash Collateral Fund LLC, 5.2936%°		3,023∆		-	-	1,156,686
Total Affiliated Investments - 1.5%	\$	895,184	\$	2,401	\$ (1,897)	\$ 15,634,689

	Value			Value
	at 12/31/22	Purchases	Sales Proceeds	at 12/31/23
Investment Companies - 1.4% Money Markets - 1.4%				
Janus Henderson Cash Liquidity Fund LLC, 5.3879‰	20,498,718	203,238,818	(209,260,037)	14,478,003
Investments Purchased with Cash Collateral from Seculovestment Companies - 0.1%	urities Lending - 0.1%			
Janus Henderson Cash Collateral Fund LLC, 5.2936%®	-	72,833,908	(71,677,222)	1,156,686

### Offsetting of Financial Assets and Derivative Assets

	Gross Amounts of Recognized	Offsetting Asset	Collateral	
Counterparty	Assets	or Liability <sup>(a)</sup>	Pledged <sup>(b)</sup>	Net Amount
JPMorgan Chase Bank, National Association	\$ 1,398,756	\$ _	\$ (1,398,756) \$	_

<sup>(</sup>a) Represents the amount of assets or liabilities that could be offset with the same counterparty under master netting or similar agreements that management elects not to offset on the Statement of Assets and Liabilities.

<sup>(</sup>b) Collateral pledged is limited to the net outstanding amount due to/from an individual counterparty. The actual collateral amounts pledged may exceed these amounts and may fluctuate in value.

### **Janus Henderson VIT Forty Portfolio**

### **Notes to Schedule of Investments and Other Information**

Russell 1000® Growth Index Russell 1000® Growth Index reflects the performance of U.S. large-cap equities with higher price-to-book

ratios and higher forecasted growth values.

S&P 500® Index S&P 500® Index reflects U.S. large-cap equity performance and represents broad U.S. equity market

performance.

ADR American Depositary Receipt
LLC Limited Liability Company
PLC Public Limited Company

- Non-income producing security.
- oo Rate shown is the 7-day yield as of December 31, 2023.
- # Loaned security; a portion of the security is on loan at December 31, 2023.
- The Portfolio may invest in certain securities that are considered affiliated companies. As defined by the Investment Company Act of 1940, as amended, an affiliated company is one in which the Portfolio owns 5% or more of the outstanding voting securities, or a company which is under common ownership or control.
- $\Delta$  Net of income paid to the securities lending agent and rebates paid to the borrowing counterparties.

The following is a summary of the inputs that were used to value the Portfolio's investments in securities and other financial instruments as of December 31, 2023. See Notes to Financial Statements for more information.

### **Valuation Inputs Summary**

	Level 1 - Quoted Prices	Level 2 - Other Significant Observable Inputs	Level 3 - Significant Unobservable Inputs
Assets			
Investments In Securities:			
Common Stocks	\$ 1,014,284,056	\$ -	\$ -
Investment Companies	-	14,478,003	-
Investments Purchased with Cash Collateral from Securities			
Lending	-	1,445,858	-
Total Assets	\$ 1,014,284,056	\$ 15,923,861	\$ =

# Janus Henderson VIT Forty Portfolio Statement of Assets and Liabilities December 31, 2023

Unaffiliated investments, at value (cost \$15,634,832)         \$1,014,573,288           Affiliated investments, at value (cost \$15,634,833)         15,634,689           Trustees' deferred compensation         28,213           Receivables:         404,786           Portfolio shares sold         254,891           Dividends         52,515           Foreign tax reclaims         7,160           Other assets         10,009           Total Assets         1,009           Liabilities:         1           Collateral for securities loaned (Note 2)         1,45,858           Payables:         1           Portfolio shares repurchased         7,95,955           Advisory fees         41,525           Advisory fees         131,337           Transfer agent fees and expenses         45,967           Professional fees         3,821           Trustees' deferred compensation fees         2,251           Affiliated portfolio administration fees payable         2,251           Tustees' fees and expenses         8,30           Accrued expenses and other payables         8,30           Total Liabilities         2,983,091           Net Assets         5,027,982,400           Net Assets Consist of:         5,027,982,40	Assets:	
Trustees' deferred compensation         28,213           Receivables:         404,786           Portfolio shares sold         404,786           Dividends         254,891           Dividends from affiliates         52,515           Foreign tax reclaims         7,160           Other assets         10,009           Total Assets         1,009           Itabilities:         1,445,858           Payables:         1,445,858           Payables:         795,955           Advisory fees         441,525           12-1 Distribution and shareholder servicing fees         131,337           Transfer agent fees and expenses         45,967           Porfossional fees         43,431           Tustees' deferred compensation fees         2,251           Custodian fees         2,251           Custodian fees         2,251           Accrued expenses and other payable         2,213           Trustees' fees and expenses         831           Accrued expenses and other payables         2,251           Total Liabilities         2,983,091           Net Assets         1,027,982,400           Net Assets Consist of:         2,983,091           Capital (par value and paid-in surplus)         <	Unaffiliated investments, at value (cost \$570,509,829)(1)	\$ 1,014,573,228
Receivables:         404,786           Port folio shares sold         254,891           Dividends         52,515           Foreign tax reclaims         7,160           Other assets         10,009           Total Assets         1,030,965,491           Liabilities:         1,445,858           Collateral for securities loaned (Note 2)         1,445,858           Payables:         795,955           Port folio shares repurchased         795,955           Advisory fees         441,525           12b-1 Distribution and shareholder servicing fees         131,337           Transfer agent fees and expenses         45,967           Professional fees         43,431           Trustees' deferred compensation fees         2,251           Affiliated portfolio administration fees payable         2,251           Affiliated portfolio administration fees payable         2,251           Affiliated portfolio administration fees payable         2,213           Accrued expenses and expenses         831           Accrued expenses and other payables         9,830,91           Net Assets Consist of:         2,983,91           Capital (par value and paid-in surplus)         518,459,087           Total distributable earnings (loss)         509,523,313 <td>Affiliated investments, at value (cost \$15,634,333)</td> <td>15,634,689</td>	Affiliated investments, at value (cost \$15,634,333)	15,634,689
Portfolio shares sold         404,786           Dividends         254,891           Dividends from affiliates         52,515           Foreign tax reclaims         7,160           Other assets         10,009           Total Assets         1,000,654,91           Liabilities:         1           Coll acteral for securities loaned (Note 2)         1,445,858           Payables:         ***           Portfolio shares repurchased         795,955           Advisory fees         441,525           12-1 Distribution and shareholder servicing fees         131,337           17 ransfer agent fees and expenses         45,967           Professional fees         43,431           Trustees' deferred compensation fees         28,213           Custodian fees         2,251           Affiliated portfolio administration fees payable         2,213           Trustees' fees and expenses         83           Accrued expenses and other payables         5,102,982,400           Total Liabilities         2,933,091           Net Assets         5,09,523,313           Total Use and paid-in surplus)         5,102,7982,400           Net Assets Pustual and paid-in surplus)         5,09,523,313           Total distributable earnings (lo	Trustees' deferred compensation	28,213
Dividends         254,891           Dividends from affiliates         52,515           Foreign tax reclaims         7,160           Other assets         10,009           Total Assets         1,030,965,491           Liabilities:         ************************************	Receivables:	
Dividends from affiliates         52,515           Foreign tax reclaims         7,160           Other assets         1,0009           Itabilities:         1,030,965,491           Collateral for securities loaned (Note 2)         1,445,858           Payables:         795,955           Portfolio shares repurchased         795,955           Advisory fees         441,525           12b-1 Distribution and shareholder servicing fees         131,337           Transfer agent fees and expenses         45,967           Professional fees         43,431           Trustees' deferred compensation fees         28,213           Custodian fees         2,251           Affiliated portfolio administration fees payable         2,251           Trustees' fees and expenses         83           Accrued expenses and other payables         2,251           Total Liabilities         2,983,091           Net Assets         \$1,027,982,400           Net Assets Outstanding, souther payables         \$1,027,982,400           Total Liabilities         2,983,091           Net Assets Value and paid-in surplus)         \$18,459,087           Total Net Assets         \$0,952,33,13           Total Net Assets         \$1,027,982,400           Ne	Portfolio shares sold	404,786
Foreign tax reclaims         7,160           Other assets         1,000           Total Assets         1,030,965,491           Liabilities         2           Collateral for securities loaned (Note 2)         1,445,858           Payables:         795,955           Portfolio shares repurchased         795,955           Advisory fees         441,525           12b-1 Distribution and shareholder servicing fees         131,337           Transfer agent fees and expenses         45,967           Professional fees         43,431           Trustees' deferred compensation fees         2,251           Affiliated portfolio administration fees payable         2,251           Affiliated portfolio administration fees payable         2,213           Trustees' fees and expenses         831           Accrued expenses and other payables         45,510           Total Liabilities         2,933,091           Net Assets         1,027,982,400           Net Assets Consist of:         518,459,087           Capital (par value and paid-in surplus)         518,459,087           Total Net Assets         518,459,087           Total Net Assets         1,027,982,400           Net Assets Institutional Shares         1,027,982,400	Dividends	254,891
Other assets         10,009           Total Assets         1,030,965,491           Liabilities:         2           Collateral for securities loaned (Note 2)         1,445,858           Payables:         Verifolio shares repurchased         795,955           Advisory fees         441,525           Advisory fees         441,525           12b-1 Distribution and shareholder servicing fees         131,337           Transfer agent fees and expenses         45,967           Professional fees         43,431           Trustees' deferred compensation fees         28,213           Custodian fees         43,431           Affiliated portfolio administration fees payable         2,251           Affiliated portfolio administration fees payable         2,213           Tustees' fees and expenses         831           Accrued expenses and other payables         45,510           Total Liabilities         2,983,091           Net Assets         \$1,027,982,400           Net Assets Consist of:         2           Capital (par value and paid-in surplus)         \$518,459,087           Total distributable earnings (loss)         509,523,313           Total Net Assets         \$1,027,982,400           Net Assets - Institutional Shares <th< td=""><td>Dividends from affiliates</td><td>52,515</td></th<>	Dividends from affiliates	52,515
Total Assets         1,030,965,491           Liabilities:         Collateral for securities loaned (Note 2)         1,445,858           Payables:         Portfolio shares repurchased         795,955           Advisory fees         441,525         12b-1 Distribution and shareholder servicing fees         441,525         12b-1 Distribution and shareholder servicing fees         45,967         131,337         13	Foreign tax reclaims	7,160
Liabilities:         1,445,858           Payables:         795,955           Portfolio shares repurchased         795,955           Advisory fees         441,525           12b-1 Distribution and shareholder servicing fees         131,337           Transfer agent fees and expenses         45,967           Professional fees         43,431           Trustees' deferred compensation fees         2,251           Affiliated portfolio administration fees payable         2,251           Affiliated portfolio administration fees payable         2,213           Trustees' fees and expenses         831           Accrued expenses and other payables         45,510           Total Liabilities         2,983,091           Net Assets         1,027,982,400           Net Assets Consist of:         509,523,313           Capital (par value and paid-in surplus)         509,523,313           Total distributable earnings (loss)         509,523,313           Total Net Assets         1,027,982,400           Net Assets - Institutional Shares         418,209,383           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)         8,831,625           Net Asset Value Per Share         47.35           Net Asset Value Per Shares         509,773,017	Other assets	10,009
Collateral for securities loaned (Note 2)         1,445,858           Payables:         795,955           Portfolio shares repurchased         795,955           Advisory fees         441,525           12b-1 Distribution and shareholder servicing fees         131,337           Transfer agent fees and expenses         45,967           Professional fees         43,431           Trustees' deferred compensation fees         2,251           Affiliated portfolio administration fees payable         2,251           Affiliated portfolio administration fees payable         2,213           Trustees' fees and expenses         831           Accrued expenses and other payables         45,510           Total Liabilities         2,983,091           Net Assets         1,027,982,400           Net Assets Consist of:         518,459,087           Capital (par value and paid-in surplus)         518,459,087           Total distributable earnings (loss)         509,523,313           Total Net Assets         1,027,982,400           Net Assets - Institutional Shares         1,027,982,400           Net Assets outstanding, \$0,001 Par Value (unlimited shares authorized)         8,331,625           Net Asset Value Per Share         4,735           Shares Outstanding, \$0,001 Par Value (unlimited sh	Total Assets	1,030,965,491
Payables:         795,955           Advisory fees         441,525           12b-1 Distribution and shareholder servicing fees         131,337           Transfer agent fees and expenses         45,967           Professional fees         43,431           Trustees' deferred compensation fees         28,213           Custodian fees         2,251           Affiliated portfolio administration fees payable         2,213           Trustees' fees and expenses         831           Accrued expenses and other payables         45,510           Total Liabilities         2,983,091           Net Assets         \$1,027,982,400           Net Assets Consist of:         2,983,091           Capital (par value and paid-in surplus)         \$518,459,087           Total distributable earnings (loss)         509,523,313           Total Net Assets         \$1,027,982,400           Net Assets - Institutional Shares         \$1,027,982,400           Net Assets Institutional Shares         \$1,027,982,400           Net Assets Institutional Shares         \$418,209,383           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)         8,831,625           Net Asset Value Per Share         \$609,773,017           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)	Liabilities:	
Portfolio shares repurchased         795,955           Advisory fees         441,525           12b-1 Distribution and shareholder servicing fees         131,337           Transfer agent fees and expenses         45,967           Professional fees         43,431           Trustees' deferred compensation fees         28,213           Custodian fees         2,251           Affiliated portfolio administration fees payable         2,213           Trustees' fees and expenses         831           Accrued expenses and other payables         45,510           Total Liabilities         2,983,091           Net Assets         \$1,027,982,400           Net Assets Consist of:         27,000           Capital (par value and paid-in surplus)         \$518,459,087           Total distributable earnings (loss)         509,523,313           Total Net Assets         \$1,027,982,400           Net Assets - Institutional Shares         \$1,027,982,400           Net Assets - Institutional Shares         \$1,027,982,400           Net Assets - Institutional Shares         \$1,027,982,400           Net Assets Value Per Share         \$418,209,383           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)         8,831,625           Net Asset Value Per Share         \$609,773,	Collateral for securities loaned (Note 2)	1,445,858
Advisory fees       441,525         12b-1 Distribution and shareholder servicing fees       131,337         Transfer agent fees and expenses       45,967         Professional fees       43,431         Trustees' deferred compensation fees       28,213         Custodian fees       2,251         Affiliated portfolio administration fees payable       2,213         Trustees' fees and expenses       831         Accrued expenses and other payables       45,510         Total Liabilities       2,983,091         Net Assets       \$1,027,982,400         Net Assets Consist of:       509,523,313         Capital (par value and paid-in surplus)       \$518,459,087         Total distributable earnings (loss)       509,523,313         Total Net Assets       \$1,027,982,400         Net Assets - Institutional Shares       \$1,027,982,400         Net Asset Value Per Share       \$418,209,383         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,831,625         Net Asset Value Per Share       \$609,773,017         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       14,351,832	Payables:	
12b-1 Distribution and shareholder servicing fees       131,337         Transfer agent fees and expenses       45,967         Professional fees       43,431         Trustees' deferred compensation fees       28,213         Custodian fees       2,251         Affiliated portfolio administration fees payable       2,213         Trustees' fees and expenses       831         Accrued expenses and other payables       45,510         Total Liabilities       2,983,091         Net Assets       \$ 1,027,982,400         Net Assets Consist of:       \$ 1,027,982,400         Capital (par value and paid-in surplus)       \$ 518,459,087         Total distributable earnings (loss)       509,523,313         Total Net Assets       \$ 1,027,982,400         Net Assets - Institutional Shares       \$ 1,027,982,400         Net Asset - Institutional Shares       \$ 418,209,383         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,831,625         Net Asset Value Per Share       \$ 47,35         Net Asset Service Shares       \$ 609,773,017         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       14,351,832	Portfolio shares repurchased	795,955
Transfer agent fees and expenses         45,967           Professional fees         43,431           Trustees' deferred compensation fees         28,213           Custodian fees         2,251           Affiliated portfolio administration fees payable         2,213           Trustees' fees and expenses         831           Accrued expenses and other payables         45,510           Total Liabilities         2,983,091           Net Assets         \$1,027,982,400           Net Assets Consist of:         509,523,313           Capital (par value and paid-in surplus)         509,523,313           Total distributable earnings (loss)         509,523,313           Total Net Assets         \$1,027,982,400           Net Assets - Institutional Shares         \$1,027,982,400           Net Asset Value Per Share         \$418,209,383           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)         8,831,625           Net Asset Value Per Share         \$47,35           Net Asset Service Shares         \$609,773,017           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)         14,351,832	Advisory fees	441,525
Professional fees         43,431           Trustees' deferred compensation fees         28,213           Custodian fees         2,251           Affiliated portfolio administration fees payable         2,213           Trustees' fees and expenses         831           Accrued expenses and other payables         45,510           Total Liabilities         2,983,091           Net Assets         \$ 1,027,982,400           Net Assets Consist of:         50,523,313           Capital (par value and paid-in surplus)         \$ 518,459,087           Total distributable earnings (loss)         509,523,313           Total Net Assets - Institutional Shares         \$ 1,027,982,400           Net Assets - Institutional Shares         \$ 418,209,383           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)         8,831,625           Net Asset Value Per Share         \$ 609,773,017           Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)         14,351,832	12b-1 Distribution and shareholder servicing fees	131,337
Trustees' deferred compensation fees       28,213         Custodian fees       2,251         Affiliated portfolio administration fees payable       2,213         Trustees' fees and expenses       831         Accrued expenses and other payables       45,510         Total Liabilities       2,983,091         Net Assets       \$ 1,027,982,400         Net Assets Consist of:       509,523,313         Capital (par value and paid-in surplus)       \$ 518,459,087         Total distributable earnings (loss)       509,523,313         Total Net Assets       \$ 1,027,982,400         Net Assets - Institutional Shares       \$ 418,209,383         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,831,625         Net Asset Value Per Share       \$ 47,35         Net Assets - Service Shares       \$ 609,773,017         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       14,351,832	Transfer agent fees and expenses	45,967
Custodian fees       2,251         Affiliated portfolio administration fees payable       2,213         Trustees' fees and expenses       831         Accrued expenses and other payables       45,510         Total Liabilities       2,983,091         Net Assets       \$ 1,027,982,400         Net Assets Consist of:       50,523,313         Capital (par value and paid-in surplus)       \$ 518,459,087         Total distributable earnings (loss)       509,523,313         Total Net Assets       \$ 1,027,982,400         Net Assets - Institutional Shares       \$ 418,209,383         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,831,625         Net Asset Value Per Share       \$ 47.35         Net Assets - Service Shares       \$ 609,773,017         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       14,351,832	Professional fees	43,431
Affiliated portfolio administration fees payable       2,213         Trustees' fees and expenses       831         Accrued expenses and other payables       45,510         Total Liabilities       2,983,091         Net Assets       \$ 1,027,982,400         Net Assets Consist of:       \$ 518,459,087         Capital (par value and paid-in surplus)       \$ 518,459,087         Total distributable earnings (loss)       509,523,313         Total Net Assets       \$ 1,027,982,400         Net Assets - Institutional Shares       \$ 418,209,383         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,831,625         Net Assets - Service Shares       \$ 47.35         Net Assets - Service Shares       \$ 609,773,017         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       14,351,832	Trustees' deferred compensation fees	28,213
Trustees' fees and expenses       831         Accrued expenses and other payables       45,510         Total Liabilities       2,983,091         Net Assets       \$ 1,027,982,400         Net Assets Consist of:       \$ 518,459,087         Capital (par value and paid-in surplus)       \$ 518,459,087         Total distributable earnings (loss)       509,523,313         Total Net Assets       \$ 1,027,982,400         Net Assets - Institutional Shares       \$ 418,209,383         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,831,625         Net Assets - Service Shares       \$ 609,773,017         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       14,351,832	Custodian fees	2,251
Accrued expenses and other payables       45,510         Total Liabilities       2,983,091         Net Assets       \$ 1,027,982,400         Net Assets Consist of:       \$ 518,459,087         Capital (par value and paid-in surplus)       \$ 518,459,087         Total distributable earnings (loss)       509,523,313         Total Net Assets       \$ 1,027,982,400         Net Assets - Institutional Shares       \$ 418,209,383         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,831,625         Net Assets Value Per Share       \$ 47.35         Net Assets - Service Shares       \$ 609,773,017         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       14,351,832	Affiliated portfolio administration fees payable	2,213
Total Liabilities       2,983,091         Net Assets       \$ 1,027,982,400         Net Assets Consist of:       \$ 518,459,087         Capital (par value and paid-in surplus)       \$ 518,459,087         Total distributable earnings (loss)       509,523,313         Total Net Assets       \$ 1,027,982,400         Net Assets - Institutional Shares       \$ 418,209,383         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,831,625         Net Asset Value Per Share       \$ 47.35         Net Assets - Service Shares       \$ 609,773,017         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       14,351,832	Trustees' fees and expenses	831
Net Assets       \$ 1,027,982,400         Net Assets Consist of:       518,459,087         Capital (par value and paid-in surplus)       \$ 518,459,087         Total distributable earnings (loss)       509,523,313         Total Net Assets       \$ 1,027,982,400         Net Assets - Institutional Shares       \$ 418,209,383         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       8,831,625         Net Asset Value Per Share       \$ 47.35         Net Assets - Service Shares       \$ 609,773,017         Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)       14,351,832	Accrued expenses and other payables	45,510
Net Assets Consist of:S18,459,087Capital (par value and paid-in surplus)\$518,459,087Total distributable earnings (loss)509,523,313Total Net Assets\$1,027,982,400Net Assets - Institutional Shares\$418,209,383Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)8,831,625Net Asset Value Per Share\$47.35Net Assets - Service Shares\$609,773,017Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)14,351,832	Total Liabilities	2,983,091
Capital (par value and paid-in surplus)\$ 518,459,087Total distributable earnings (loss)509,523,313Total Net Assets\$ 1,027,982,400Net Assets - Institutional Shares\$ 418,209,383Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)8,831,625Net Asset Value Per Share\$ 47.35Net Assets - Service Shares\$ 609,773,017Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)14,351,832	Net Assets	\$ 1,027,982,400
Total distributable earnings (loss)509,523,313Total Net Assets\$ 1,027,982,400Net Assets - Institutional Shares\$ 418,209,383Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)8,831,625Net Asset Value Per Share\$ 47.35Net Assets - Service Shares\$ 609,773,017Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)14,351,832	Net Assets Consist of:	
Total Net Assets\$ 1,027,982,400Net Assets - Institutional Shares\$ 418,209,383Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)8,831,625Net Asset Value Per Share\$ 47.35Net Assets - Service Shares\$ 609,773,017Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)14,351,832	Capital (par value and paid-in surplus)	\$ 518,459,087
Net Assets - Institutional Shares\$ 418,209,383Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)8,831,625Net Asset Value Per Share\$ 47.35Net Assets - Service Shares\$ 609,773,017Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)14,351,832	Total distributable earnings (loss)	
Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)  Net Asset Value Per Share  Net Assets - Service Shares  Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)  8,831,625  \$ 47.35  Net Assets - Service Shares  \$ 609,773,017  Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)  14,351,832	Total Net Assets	\$ 1,027,982,400
Net Asset Value Per Share\$ 47.35Net Assets - Service Shares\$ 609,773,017Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)14,351,832	Net Assets - Institutional Shares	\$ 418,209,383
Net Assets - Service Shares \$ 609,773,017 Shares Outstanding, \$0.001 Par Value (unlimited shares authorized) 14,351,832	Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)	8,831,625
Shares Outstanding, \$0.001 Par Value (unlimited shares authorized) 14,351,832	Net Asset Value Per Share	\$ 47.35
	Net Assets - Service Shares	\$ 609,773,017
Net Asset Value Per Share \$ 42.49		14,351,832
	Net Asset Value Per Share	\$ 42.49

See Notes to Financial Statements.

<sup>(1)</sup> Includes \$1,398,756 of securities on loan. See Note 2 in Notes to Financial Statements.

# Janus Henderson VIT Forty Portfolio Statement of Operations For the year ended December 31, 2023

Investment Income:	
Dividends	\$ 7,852,365
Dividends from affiliates	892,161
Affiliated securities lending income, net	3,023
Unaffiliated securities lending income, net	1,148
Other income	261
Foreign tax withheld	(77,575)
Total Investment Income	8,671,383
Expenses:	
Advisory fees	4,363,375
12b-1 Distribution and shareholder servicing fees:	
Service Shares	1,363,360
Transfer agent administrative fees and expenses:	
Institutional Shares	185,851
Service Shares	272,737
Other transfer agent fees and expenses:	
Institutional Shares	6,753
Service Shares	6,271
Professional fees	53,637
Affiliated portfolio administration fees	29,233
Registration fees	22,083
Trustees' fees and expenses	21,180
Shareholder reports expense	20,565
Custodian fees	7,049
Other expenses	68,730
Total Expenses	6,420,824
Net Investment Income/(Loss)	2,250,559
Net Realized Gain/(Loss) on Investments:	
Investments and foreign currency transactions	93,017,254
Investments in affiliates	2,401
Total Net Realized Gain/(Loss) on Investments	93,019,655
Change in Unrealized Net Appreciation/Depreciation:	
Investments, foreign currency translations and Trustees' deferred compensation	208,526,145
Investments in affiliates	(1,897)
Total Change in Unrealized Net Appreciation/Depreciation	208,524,248
Net Increase/(Decrease) in Net Assets Resulting from Operations	\$ 303,794,462

## Janus Henderson VIT Forty Portfolio Statements of Changes in Net Assets

	Year ended December 31, 2023	Year ended December 31, 2022
Operations:		
Net investment income/(loss)	\$ 2,250,559	\$ 945,511
Net realized gain/(loss) on investments	93,019,655	(26,169,667)
Change in unrealized net appreciation/depreciation	208,524,248	(384,909,155)
Net Increase/(Decrease) in Net Assets Resulting from Operations	303,794,462	(410,133,311)
Dividends and Distributions to Shareholders:		
Institutional Shares	(721,329)	(57,912,332)
Service Shares	(677,823)	(88,064,766)
Net Decrease from Dividends and Distributions to Shareholders	(1,399,152)	(145,977,098)
Capital Share Transactions:		
Institutional Shares	(22,314,450)	22,748,415
Service Shares	(44,235,945)	82,752,521
Net Increase/(Decrease) from Capital Share Transactions	(66,550,395)	105,500,936
Net Increase/(Decrease) in Net Assets	235,844,915	(450,609,473)
Net Assets:		
Beginning of period	792,137,485	1,242,746,958
End of period	\$ 1,027,982,400	\$ 792,137,485

### Janus Henderson VIT Forty Portfolio Financial Highlights

#### Institutional Shares

For a share outstanding during the year ended December 31	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$33.89	\$61.75	\$57.00	\$44.38	\$35.20
Income/(Loss) from Investment Operations:					
Net investment income/(loss)(1)	0.16	0.10	(0.15)	(0.01)	0.09
Net realized and unrealized gain/(loss)	13.38	(20.82)	12.39	16.29	12.55
Total from Investment Operations	13.54	(20.72)	12.24	16.28	12.64
Less Dividends and Distributions:					
Dividends (from net investment income)	(80.0)	(0.07)	_	(0.14)	(0.06)
Distributions (from capital gains)	_	(7.07)	(7.49)	(3.52)	(3.40)
Total Dividends and Distributions	(80.0)	(7.14)	(7.49)	(3.66)	(3.46)
Net Asset Value, End of Period	\$47.35	\$33.89	\$61.75	\$57.00	\$44.38
Total Return*	39.96%	(33.55)%	22.90%	39.40%	37.16%
Net Assets, End of Period (in thousands)	\$418,209	\$317,938	\$523,822	\$462,216	\$362,001
Average Net Assets for the Period (in thousands)	\$372,301	\$374,815	\$497,818	\$389,419	\$337,416
Ratios to Average Net Assets**:					
Ratio of Gross Expenses	0.55%	0.55%	0.77%	0.76%	0.77%
Ratio of Net Expenses (After Waivers and Expense Offsets)	0.55%	0.55%	0.77%	0.76%	0.77%
Ratio of Net Investment Income/(Loss)	0.39%	0.25%	(0.25)%	(0.02)%	0.23%
Portfolio Turnover Rate	36%	39%	31%	41%	35%

See Notes to Financial Statements.

<sup>\*</sup> Total return includes adjustments in accordance with generally accepted accounting principles required at the year or period end and are not annualized for periods of less than one full year. Total return does not include fees, charges, or expenses imposed by the variable annuity and life insurance contracts for which Janus Aspen Series serves as an underlying investment vehicle.

<sup>\*\*</sup> Annualized for periods of less than one full year.

<sup>(1)</sup> Per share amounts are calculated based on average shares outstanding during the year or period.

### **Janus Henderson VIT Forty Portfolio Financial Highlights**

#### Service Shares

For a share outstanding during the year ended December 31	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$30.46	\$56.64	\$52.96	\$41.53	\$33.15
Income/(Loss) from Investment Operations:					
Net investment income/(loss) <sup>(1)</sup>	0.05	(2)	(0.28)	(0.12)	(0.01)
Net realized and unrealized gain/(loss)	12.03	(19.09)	11.45	15.15	11.80
Total from Investment Operations	12.08	(19.09)	11.17	15.03	11.79
Less Dividends and Distributions:					
Dividends (from net investment income)	(0.05)	(0.02)	_	(80.0)	(0.01)
Distributions (from capital gains)	_	(7.07)	(7.49)	(3.52)	(3.40)
Total Dividends and Distributions	(0.05)	(7.09)	(7.49)	(3.60)	(3.41)
Net Asset Value, End of Period	\$42.49	\$30.46	\$56.64	\$52.96	\$41.53
Total Return*	39.65%	(33.73)%	22.60%	39.03%	36.85%
Net Assets, End of Period (in thousands)	\$609,773	\$474,200	\$718,925	\$634,393	\$525,112
Average Net Assets for the Period (in thousands)	\$546,407	\$536,667	\$686,446	\$548,645	\$495,465
Ratios to Average Net Assets**:					
Ratio of Gross Expenses	0.80%	0.80%	1.02%	1.01%	1.02%
Ratio of Net Expenses (After Waivers and Expense Offsets)	0.80%	0.80%	1.02%	1.01%	1.02%
Ratio of Net Investment Income/(Loss)	0.14%	0.00%(3)	(0.50)%	(0.27)%	(0.02)%
Portfolio Turnover Rate	36%	39%	31%	41%	35%

See Notes to Financial Statements.

Total return includes adjustments in accordance with generally accepted accounting principles required at the year or period end and are not annualized for periods of less than one full year. Total return does not include fees, charges, or expenses imposed by the variable annuity and life insurance contracts for which Janus Aspen Series serves as an underlying investment vehicle.

Annualized for periods of less than one full year.

<sup>(1)</sup> Per share amounts are calculated based on average shares outstanding during the year or period.

<sup>(2)</sup> Less than \$0.005 on a per share basis.

<sup>(3)</sup> Less than 0.005%.

#### **Notes to Financial Statements**

#### 1. Organization and Significant Accounting Policies

Janus Henderson VIT Forty Portfolio (the "Portfolio") is a series of Janus Aspen Series (the "Trust"), which is organized as a Delaware statutory trust and is registered under the Investment Company Act of 1940, as amended (the "1940 Act"), as an open-end management investment company, and therefore has applied the specialized accounting and reporting guidance in Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") Topic 946. The Trust offers 10 portfolios, each of which offers multiple share classes, with differing investment objectives and policies. The Portfolio seeks long-term growth of capital. The Portfolio is classified as nondiversified, as defined in the 1940 Act. Janus Henderson Investors US LLC is the investment adviser (the "Adviser") to the Portfolio.

The Portfolio currently offers two classes of shares: Institutional Shares and Service Shares. Each class represents an interest in the same portfolio of investments. Institutional Shares are offered only in connection with investment in and payments under variable insurance contracts as well as certain qualified retirement plans. Service Shares are offered only in connection with investment in and payments under variable insurance contracts as well as certain qualified retirement plans that require a fee from Portfolio assets to procure distribution and administrative services to contract owners and plan participants.

Shareholders, including participating insurance companies, as well as accounts, may from time to time own (beneficially or of record) a significant percentage of the Portfolio's Shares and can be considered to "control" the Portfolio when that ownership exceeds 25% of the Portfolio's assets (and which may differ from control as determined in accordance with United States of America generally accepted accounting principles ("US GAAP")).

The following accounting policies have been followed by the Portfolio and are in conformity with US GAAP.

#### **Investment Valuation**

Portfolio holdings are valued in accordance with policies and procedures established by the Adviser pursuant to Rule 2a-5 under the 1940 Act and approved by and subject to the oversight of the Trustees (the "Valuation Procedures"). Equity securities traded on a domestic securities exchange are generally valued at readily available market quotations, which are (i) the official close prices or (ii) last sale prices on the primary market or exchange in which the securities trade. If such price is lacking for the trading period immediately preceding the time of determination, such securities are generally valued at their current bid price. Equity securities that are traded on a foreign exchange are generally valued at the closing prices on such markets. In the event that there is no current trading volume on a particular security in such foreign exchange, the bid price from the primary exchange is generally used to value the security. Foreign securities and currencies are converted to U.S. dollars using the current spot USD dollar exchange rate in effect at the close of the New York Stock Exchange ("NYSE"). The Adviser will determine the market value of individual securities held by it by using prices provided by one or more Adviser-approved professional pricing services or, as needed, by obtaining market quotations from independent broker-dealers. Most debt securities are valued in accordance with the evaluated bid price supplied by the pricing service that is intended to reflect market value. The evaluated bid price supplied by the pricing service is an evaluation that may consider factors such as security prices, yields, maturities and ratings. Certain short-term securities maturing within 60 days or less may be evaluated and valued on an amortized cost basis provided that the amortized cost determined approximates market value. Securities for which market quotations or evaluated prices are not readily available or deemed unreliable are valued at fair value determined in good faith by the Adviser pursuant to the Valuation Procedures. Circumstances in which fair valuation may be utilized include, but are not limited to: (i) a significant event that may affect the securities of a single issuer, such as a merger, bankruptcy, or significant issuer-specific development; (ii) an event that may affect an entire market, such as a natural disaster or significant governmental action; (iii) a nonsignificant event such as a market closing early or not opening, or a security trading halt; and (iv) pricing of a nonvalued security and a restricted or nonpublic security. Special valuation considerations may apply with respect to "odd-lot" fixed-income transactions which, due to their small size, may receive evaluated prices by pricing services which reflect a large block trade and not what actually could be obtained for the odd-lot position. The value of the securities of other mutual funds held by the Portfolio, if any, will be calculated using the NAV of such mutual funds, and the prospectuses for such mutual funds explain the circumstances under which they use fair valuation and the effects of using fair valuation. The value of the securities of any cash management pooled investment vehicles that operate as money market funds held by the Portfolio, if any, will be calculated using the NAV of such funds.

#### **Notes to Financial Statements**

#### **Valuation Inputs Summary**

FASB ASC 820, Fair Value Measurements and Disclosures ("ASC 820"), defines fair value, establishes a framework for measuring fair value, and expands disclosure requirements regarding fair value measurements. This standard emphasizes that fair value is a market-based measurement that should be determined based on the assumptions that market participants would use in pricing an asset or liability and establishes a hierarchy that prioritizes inputs to valuation techniques used to measure fair value. These inputs are summarized into three broad levels:

Level 1 - Unadjusted quoted prices in active markets the Portfolio has the ability to access for identical assets or liabilities.

Level 2 - Observable inputs other than unadjusted quoted prices included in Level 1 that are observable for the asset or liability either directly or indirectly. These inputs may include quoted prices for the identical instrument on an inactive market, prices for similar instruments, interest rates, prepayment speeds, credit risk, yield curves, default rates and similar data.

Assets or liabilities categorized as Level 2 in the hierarchy generally include: debt securities fair valued in accordance with the evaluated bid or ask prices supplied by a pricing service; securities traded on OTC markets and listed securities for which no sales are reported that are fair valued at the latest bid price (or yield equivalent thereof) obtained from one or more dealers transacting in a market for such securities or by a pricing service approved by the Portfolio's Trustees; certain short-term debt securities with maturities of 60 days or less that are fair valued at amortized cost; and equity securities of foreign issuers whose fair value is determined by using systematic fair valuation models provided by independent third parties in order to adjust for stale pricing which may occur between the close of certain foreign exchanges and the close of the NYSE. Other securities that may be categorized as Level 2 in the hierarchy include, but are not limited to, preferred stocks, bank loans, swaps, investments in unregistered investment companies, options, and forward contracts.

Level 3 - Unobservable inputs for the asset or liability to the extent that relevant observable inputs are not available, representing the Portfolio's own assumptions about the assumptions that a market participant would use in valuing the asset or liability, and that would be based on the best information available.

There have been no significant changes in valuation techniques used in valuing any such positions held by the Portfolio since the beginning of the fiscal year.

The inputs or methodology used for fair valuing securities are not necessarily an indication of the risk associated with investing in those securities. The summary of inputs used as of December 31, 2023 to fair value the Portfolio's investments in securities and other financial instruments is included in the "Valuation Inputs Summary" in the Notes to Schedule of Investments and Other Information.

#### **Investment Transactions and Investment Income**

Investment transactions are accounted for as of the date purchased or sold (trade date). Dividend income is recorded on the ex-dividend date. Certain dividends from foreign securities will be recorded as soon as the Portfolio is informed of the dividend, if such information is obtained subsequent to the ex-dividend date. Dividends from foreign securities may be subject to withholding taxes in foreign jurisdictions. Non-cash dividends, if any, are recorded on the ex-dividend date at fair value. Interest income is recorded daily on the accrual basis and includes amortization of premiums and accretion of discounts. The Portfolio classifies gains and losses on prepayments received as an adjustment to interest income. Debt securities may be placed in non-accrual status and related interest income may be reduced by stopping current accruals and writing off interest receivables when collection of all or a portion of interest has become doubtful. Gains and losses are determined on the identified cost basis, which is the same basis used for federal income tax purposes.

#### **Expenses**

The Portfolio bears expenses incurred specifically on its behalf. Each class of shares bears a portion of general expenses, which are allocated daily to each class of shares based upon the ratio of net assets represented by each class as a percentage of total net assets. Expenses directly attributable to a specific class of shares are charged against the operations of such class.

The preparation of financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amount of assets and liabilities and disclosure of contingent assets and liabilities

#### **Notes to Financial Statements**

at the date of the financial statements, and the reported amounts of income and expenses during the reporting period. Actual results could differ from those estimates.

#### Indemnifications

In the normal course of business, the Portfolio may enter into contracts that contain provisions for indemnification of other parties against certain potential liabilities. The Portfolio's maximum exposure under these arrangements is unknown, and would involve future claims that may be made against the Portfolio that have not yet occurred. Currently, the risk of material loss from such claims is considered remote.

#### **Foreign Currency Translations**

The Portfolio does not isolate that portion of the results of operations resulting from the effect of changes in foreign exchange rates on investments from the fluctuations arising from changes in market prices of securities held at the date of the financial statements. Net unrealized appreciation or depreciation of investments and foreign currency translations arise from changes in the value of assets and liabilities, including investments in securities held at the date of the financial statements, resulting from changes in the exchange rates and changes in market prices of securities held.

Currency gains and losses are also calculated on payables and receivables that are denominated in foreign currencies. The payables and receivables are generally related to foreign security transactions and income translations.

Foreign currency-denominated assets and forward currency contracts may involve more risks than domestic transactions, including currency risk, counterparty risk, political and economic risk, regulatory risk and equity risk. Risks may arise from unanticipated movements in the value of foreign currencies relative to the U.S. dollar.

#### **Dividends and Distributions**

The Portfolio may make semiannual distributions of substantially all of its investment income and an annual distribution of its net realized capital gains (if any).

The Portfolio may make certain investments in real estate investment trusts ("REITs") which pay dividends to their shareholders based upon funds available from operations. It is quite common for these dividends to exceed the REITs' taxable earnings and profits, resulting in the excess portion of such dividends being designated as a return of capital. If the Portfolio distributes such amounts, such distributions could constitute a return of capital to shareholders for federal income tax purposes.

#### **Federal Income Taxes**

The Portfolio intends to continue to qualify as a regulated investment company and distribute all of its taxable income in accordance with the requirements of Subchapter M of the Internal Revenue Code. Management has analyzed the Portfolio's tax positions taken for all open federal income tax years, generally a three-year period, and has concluded that no provision for federal income tax is required in the Portfolio's financial statements. The Portfolio is not aware of any tax positions for which it is reasonably possible that the total amounts of unrecognized tax benefits will significantly change in the next twelve months.

#### 2. Other Investments and Strategies

#### **Market Risk**

The value of the Portfolio's portfolio may decrease if the value of one or more issuers in the Portfolio's portfolio decreases. Further, regardless of how well individual companies or securities perform, the value of the Portfolio's portfolio could also decrease if there are deteriorating economic or market conditions, including, but not limited to, a general decline in prices on the stock markets, a general decline in real estate markets, a decline in commodities prices, or if the market favors different types of securities than the types of securities in which the Portfolio invests. If the value of the Portfolio's portfolio decreases, the Portfolio's NAV will also decrease, which means if you sell your shares in the Portfolio you may lose money. Market risk may affect a single issuer, industry, economic sector, or the market as a whole. The increasing interconnectivity between global economies and financial markets increases the likelihood that events or conditions in one region or financial market may adversely impact issuers in a different country, region or financial market. Social, political, economic and other conditions and events, such as natural disasters, health emergencies (e.g., epidemics and pandemics), terrorism, war, conflicts, including related sanctions, social unrest, financial institution failures, and economic recessions could reduce consumer demand or economic output, result in market closures, travel restrictions and/or quarantines, and generally have a significant impact on the global economies and financial markets.

#### **Notes to Financial Statements**

- COVID-19 Pandemic. The effects of COVID-19 have contributed to increased volatility in global financial markets and have affected and may continue to affect certain countries, regions, issuers, industries and market sectors more dramatically than others. These conditions and events could have a significant impact on the Portfolio and its investments, the Portfolio's ability to meet redemption requests, and the processes and operations of the Portfolio's service providers, including the Adviser.
- Armed Conflict. Recent such examples include conflict, loss of life, and disaster connected to ongoing armed conflict. between Russia and Ukraine in Europe and Hamas and Israel in the Middle East. The extent and duration of each conflict, resulting sanctions and resulting future market disruptions in each region are impossible to predict, but could be significant and have a severe adverse effect, including significant negative impacts on the U.S. and broader global economic environment and the markets for certain securities and commodities.

#### Counterparties

Portfolio transactions involving a counterparty are subject to the risk that the counterparty or a third party will not fulfill its obligation to the Portfolio ("counterparty risk"). Counterparty risk may arise because of the counterparty's financial condition (i.e., financial difficulties, bankruptcy, or insolvency), market activities and developments, or other reasons, whether foreseen or not. A counterparty's inability to fulfill its obligation may result in significant financial loss to the Portfolio. The Portfolio may be unable to recover its investment from the counterparty or may obtain a limited recovery, and/or recovery may be delayed. The extent of the Portfolio's exposure to counterparty risk with respect to financial assets and liabilities approximates its carrying value. See the "Offsetting Assets and Liabilities" section of this Note for further details.

The Portfolio may be exposed to counterparty risk through participation in various programs, including, but not limited to, lending its securities to third parties, cash sweep arrangements whereby the Portfolio's cash balance is invested in one or more types of cash management vehicles, as well as investments in, but not limited to, repurchase agreements, debt securities, and derivatives, including various types of swaps, futures and options. The Portfolio intends to enter into financial transactions with counterparties that the Adviser believes to be creditworthy at the time of the transaction. There is always the risk that the Adviser's analysis of a counterparty's creditworthiness is incorrect or may change due to market conditions. To the extent that the Portfolio focuses its transactions with a limited number of counterparties, it will have greater exposure to the risks associated with one or more counterparties.

#### Securities Lending

Under procedures adopted by the Trustees, the Portfolio may seek to earn additional income by lending securities to certain qualified broker-dealers and institutions. JPMorgan Chase Bank, National Association acts as securities lending agent and a limited purpose custodian or subcustodian to receive and disburse cash balances and cash collateral, hold short-term investments, hold collateral, and perform other custodial functions in accordance with the Non-Custodial Securities Lending Agreement. For financial reporting purposes, the Portfolio does not offset financial instruments' payables and receivables and related collateral on the Statement of Assets and Liabilities. The Portfolio may lend portfolio securities in an amount equal to up to 1/3 of its total assets as determined at the time of the loan origination. There is the risk of delay in recovering a loaned security or the risk of loss in collateral rights if the borrower fails financially. In addition, the Adviser makes efforts to balance the benefits and risks from granting such loans. All loans will be continuously secured by collateral which may consist of cash, U.S. Government securities, domestic and foreign short-term debt instruments, letters of credit, time deposits, repurchase agreements, money market mutual funds or other money market accounts, or such other collateral as permitted by the SEC. If the Portfolio is unable to recover a security on loan, the Portfolio may use the collateral to purchase replacement securities in the market. There is a risk that the value of the collateral could decrease below the cost of the replacement security by the time the replacement investment is made, resulting in a loss to the Portfolio. In certain circumstances individual loan transactions could yield negative returns.

Upon receipt of cash collateral, the Adviser may invest it in affiliated or non-affiliated cash management vehicles, whether registered or unregistered entities, as permitted by the 1940 Act and rules promulgated thereunder. The Adviser currently intends to primarily invest the cash collateral in a cash management vehicle for which the Adviser serves as investment adviser, Janus Henderson Cash Collateral Fund LLC, or in time deposits. An investment in Janus Henderson Cash Collateral Fund LLC is generally subject to the same risks that shareholders experience when investing in similarly structured vehicles, such as the potential for significant fluctuations in assets as a result of the purchase and redemption activity of the securities lending program, a decline in the value of the collateral, and possible liquidity issues. Such risks may delay the return of the cash collateral and cause the Portfolio to violate its agreement to

#### **Notes to Financial Statements**

return the cash collateral to a borrower in a timely manner. As adviser to the Portfolio and Janus Henderson Cash Collateral Fund LLC, the Adviser has an inherent conflict of interest as a result of its fiduciary duties to both the Portfolio and Janus Henderson Cash Collateral Fund LLC. Additionally, the Adviser receives an investment advisory fee of 0.05% for managing Janus Henderson Cash Collateral Fund LLC, but it may not receive a fee for managing certain other affiliated cash management vehicles in which the Portfolio may invest, and therefore may have an incentive to allocate preferred investment opportunities to investment vehicles for which it is receiving a fee.

The value of the collateral must be at least 102% of the market value of the loaned securities that are denominated in U.S. dollars and 105% of the market value of the loaned securities that are not denominated in U.S. dollars. Loaned securities and related collateral are marked-to-market each business day based upon the market value of the loaned securities at the close of business, employing the most recent available pricing information. Collateral levels are then adjusted based on this mark-to-market evaluation. Additional required collateral, or excess collateral returned, is delivered on the next business day. Therefore, the value of the collateral held may be temporarily less than 102% or 105% value of the securities on loan. The cash collateral invested by the Adviser is disclosed in the Schedule of Investments (if applicable).

Income earned from the investment of the cash collateral, net of rebates paid to, or fees paid by, borrowers and less the fees paid to the lending agent are included as "Affiliated securities lending income, net" on the Statement of Operations. As of December 31, 2023, securities lending transactions accounted for as secured borrowings with an overnight and continuous contractual maturity are \$1,398,756. Gross amounts of recognized liabilities for securities lending (collateral received) as of December 31, 2023 is \$1,445,858, resulting in the net amount due to the counterparty of \$47,102.

#### Offsetting Assets and Liabilities

The Portfolio presents gross and net information about transactions that are either offset in the financial statements or subject to an enforceable master netting arrangement or similar agreement with a designated counterparty, regardless of whether the transactions are actually offset in the Statement of Assets and Liabilities.

The Offsetting Assets and Liabilities table located in the Schedule of Investments presents gross amounts of recognized assets and/or liabilities and the net amounts after deducting collateral that has been pledged by counterparties or has been pledged to counterparties (if applicable). For corresponding information grouped by type of instrument, see the Portfolio's Schedule of Investments.

#### 3. Investment Advisory Agreements and Other Transactions with Affiliates

The Portfolio pays the Adviser an investment advisory fee rate that may adjust up or down based on the Portfolio's performance relative to its benchmark index.

The investment advisory fee rate paid to the Adviser by the Portfolio consists of two components: (1) a base fee calculated by applying the contractual fixed rate of the advisory fee to the Portfolio's average daily net assets during the previous month (the "Base Fee Rate"), plus or minus (2) a performance-fee adjustment (the "Performance Adjustment") calculated by applying a variable rate of up to 0.15% (positive or negative) to the Portfolio's average daily net assets based on the Portfolio's relative performance compared to the cumulative investment record of its benchmark index over a 36-month performance measurement period or shorter time period, as applicable. The investment advisory fee rate is calculated daily and paid monthly.

The investment performance of the Portfolio's Service Shares for the performance measurement period is used to calculate the Performance Adjustment. The Portfolio's Base Fee Rate prior to any performance adjustment (expressed as an annual rate) is 0.64%, and the Portfolio's benchmark index used in the calculation is the Russell 1000® Growth Index.

No Performance Adjustment is applied unless the difference between the Portfolio's investment performance and the cumulative investment record of the Portfolio's benchmark index is 0.50% or greater (positive or negative) during the applicable performance measurement period. The Base Fee Rate is subject to an upward or downward Performance Adjustment for every full 0.50% increment by which the Portfolio outperforms or underperforms its benchmark index, up to the Portfolio's full performance rate of ±8.50%. Because the Performance Adjustment is tied to a Portfolio's relative performance compared to its benchmark index (and not its absolute performance), the Performance Adjustment could increase the Adviser's fee even if the Portfolio's Shares lose value during the performance measurement period and could decrease the Adviser's fee even if the Portfolio's Shares increase in value during the performance measurement, net assets are

#### **Notes to Financial Statements**

averaged over different periods (average daily net assets during the previous month for the Base Fee Rate, versus average daily net assets during the performance measurement period for the Performance Adjustment). Performance of the Portfolio is calculated net of expenses whereas the Portfolio's benchmark index does not have any fees or expenses. Reinvestment of dividends and distributions is included in calculating both the performance of a Portfolio and the Portfolio's benchmark index.

The Portfolio's prospectuses and statement(s) of additional information contain additional information about performance-based fees. The amount shown as advisory fees on the Statement of Operations reflects the Base Fee Rate plus/minus any Performance Adjustment. For the year ended December 31, 2023, the performance adjusted investment advisory fee rate before any waivers and/or reimbursements of expenses is 0.48%.

The Adviser serves as administrator to the Portfolio pursuant to an administration agreement between the Adviser and the Trust. Under the administration agreement, the Adviser is authorized to perform, or cause others to perform certain administration, compliance, and accounting services to the Portfolio, including providing office space for the Portfolio, and is reimbursed by the Portfolio for certain of its costs in providing these services (to the extent the Adviser seeks reimbursement and such costs are not otherwise waived). In addition, employees of the Adviser and/or its affiliates may serve as officers of the Trust. The Portfolio pays for some or all of the salaries, fees, and expenses of the Adviser employees and Portfolio officers, with respect to certain specified administration functions they perform on behalf of the Portfolio. The Portfolio pays these costs based on out-of-pocket expenses incurred by the Adviser, and these costs are separate and apart from advisory fees and other expenses paid in connection with the investment advisory services the Adviser (or any subadvisor, as applicable) provides to the Portfolio. These amounts are disclosed as "Affiliated portfolio administration fees" on the Statement of Operations. In addition, some expenses related to compensation payable to the Portfolio's Chief Compliance Officer and certain compliance staff, all of whom are employees of the Adviser and/or its affiliates, are shared with the Portfolio. Total compensation of \$31,482 was paid to the Chief Compliance Officer and certain compliance staff by the Trust during the year ended December 31, 2023. The Portfolio's portion is reported as part of "Other expenses" on the Statement of Operations.

Janus Henderson Services US LLC (the "Transfer Agent"), a wholly-owned subsidiary of the Adviser, is the Portfolio's transfer agent. The Transfer Agent receives an administrative services fee at an annual rate of 0.05% of the average daily net assets of the Portfolio for arranging for the provision by participating insurance companies and gualified plan service providers of administrative services, including, but not limited to, recordkeeping, subaccounting, answering inquiries regarding accounts, order processing, transaction confirmations, the mailing of prospectuses and shareholder reports, and other shareholder services provided on behalf of contract holders or plan participants investing in the Portfolio. The Transfer Agent expects to use this entire fee to compensate insurance companies and gualified plan service providers for providing these services to their customers who invest in the Portfolio.

The Transfer Agent is not compensated for internal services related to the shares, except for out-of-pocket costs. These amounts are disclosed as "Other transfer agent fees and expenses" on the Statement of Operations.

Under a distribution and shareholder servicing plan (the "Plan") adopted in accordance with Rule 12b-1 under the 1940 Act, the Service Shares may pay the Trust's distributor, Janus Henderson Distributors US LLC (the "Distributor"), a wholly-owned subsidiary of the Adviser, a fee for the sale and distribution and/or shareholder servicing of the Service Shares at an annual rate of up to 0.25% of the average daily net assets of the Service Shares. Under the terms of the Plan, the Trust is authorized to make payments to the Distributor for remittance to insurance companies and qualified plan service providers as compensation for distribution and/or shareholder services performed by such entities. These amounts are disclosed as "12b-1 Distribution and shareholder servicing fees" on the Statement of Operations.

The Board of Trustees has adopted a deferred compensation plan (the "Deferred Plan") for independent Trustees to elect to defer receipt of all or a portion of the annual compensation they are entitled to receive from the Portfolio. All deferred fees are credited to an account established in the name of the Trustees. The amounts credited to the account then increase or decrease, as the case may be, in accordance with the performance of one or more of the Janus Henderson funds that are selected by the Trustees. The account balance continues to fluctuate in accordance with the performance of the selected fund or funds until final payment of all amounts are credited to the account. The fluctuation of the account balance is recorded by the Portfolio as unrealized appreciation/(depreciation) and is included as of December 31, 2023 on the Statement of Assets and Liabilities in the asset, "Trustees' deferred compensation," and liability, "Trustees' deferred compensation fees." Additionally, the recorded unrealized appreciation/(depreciation) is included in "Total distributable earnings (loss)" on the Statement of Assets and Liabilities. Deferred compensation

#### Janus Henderson VIT Forty Portfolio Notes to Financial Statements

expenses for the year ended December 31, 2023 are included in "Trustees' fees and expenses" on the Statement of Operations. Trustees are allowed to change their designation of mutual funds from time to time. Amounts will be deferred until distributed in accordance with the Deferred Plan. Deferred fees of \$416,000 were paid by the Trust to the Trustees under the Deferred Plan during the year ended December 31, 2023.

Pursuant to the provisions of the 1940 Act and related rules, the Portfolio may participate in an affiliated or non-affiliated cash sweep program. In the cash sweep program, uninvested cash balances of the Portfolio may be used to purchase shares of affiliated or non-affiliated money market funds or cash management pooled investment vehicles that operate as money market funds. The Portfolio is eligible to participate in the cash sweep program (the "Investing Funds"). The Adviser has an inherent conflict of interest because of its fiduciary duties to the affiliated money market funds or cash management pooled investment vehicles and the Investing Funds. Janus Henderson Cash Liquidity Fund LLC (the "Sweep Vehicle") is an affiliated unregistered cash management pooled investment vehicle that invests primarily in highly-rated short-term fixed-income securities. The Sweep Vehicle operates pursuant to the provisions of the 1940 Act that govern the operation of money market funds and prices its shares at NAV reflecting market-based values of its portfolio securities (i.e., a "floating" NAV) rounded to the fourth decimal place (e.g., \$1.0000). The Sweep Vehicle is permitted to impose a liquidity fee (of up to 2%) on redemptions from the Sweep Vehicle or a redemption gate that temporarily suspends redemptions from the Sweep Vehicle for up to 10 business days during a 90 day period. There are no restrictions on the Portfolio's ability to withdraw investments from the Sweep Vehicle at will, and there are no unfunded capital commitments due from the Portfolio to the Sweep Vehicle. The Sweep Vehicle does not charge any management fee, sales charge or service fee.

Any purchases and sales, realized gains/losses and recorded dividends from affiliated investments during the year ended December 31, 2023 can be found in the "Schedules of Affiliated Investments" located in the Schedule of Investments.

The Portfolio is permitted to purchase or sell securities ("cross-trade") between itself and other funds or accounts managed by the Adviser in accordance with Rule 17a-7 under the Investment Company Act of 1940 ("Rule 17a-7"), when the transaction is consistent with the investment objectives and policies of the Portfolio and in accordance with the Internal Cross Trade Procedures adopted by the Trust's Board of Trustees. These procedures have been designed to ensure that any cross-trade of securities by the Portfolio from or to another fund or account that is or could be considered an affiliate of the Portfolio under certain limited circumstances by virtue of having a common investment adviser, common Officer, or common Trustee complies with Rule 17a-7. Under these procedures, each cross-trade is effected at the current market price to save costs where allowed. During the year ended December 31, 2023, the Portfolio engaged in cross trades amounting to \$490,503 in sales, resulting in a net realized gain of \$185,797. The net realized gain is included within the "Net Realized Gain/(Loss) on Investments" section of the Portfolio's Statement of Operations.

#### **Notes to Financial Statements**

#### 4. Federal Income Tax

The tax components of capital shown in the table below represent: (1) distribution requirements the Portfolio must satisfy under the income tax regulations; (2) losses or deductions the Portfolio may be able to offset against income and gains realized in future years; and (3) unrealized appreciation or depreciation of investments for federal income tax purposes.

Other book to tax differences primarily consist of deferred compensation. The Portfolio has elected to treat gains and losses on forward foreign currency contracts as capital gains and losses, if applicable. Other foreign currency gains and losses on debt instruments are treated as ordinary income for federal income tax purposes pursuant to Section 988 of the Internal Revenue Code.

							C	ther Book	Net Tax
Undistributed		Undistributed	Accur	mulated				to Tax	Appreciation/
 Ordinary Income	Loi	ng-Term Gains	Capital	Losses	Loss	Deferrals	E	ifferences	(Depreciation)
\$ 584,806	\$	69,752,400	\$	-	\$	-	\$	(25,534)	\$439,211,641

During the year ended December 31, 2023, capital loss carryovers of \$25,343,416 were utilized by the Portfolio.

The aggregate cost of investments and the composition of unrealized appreciation and depreciation of investment securities for federal income tax purposes as of December 31, 2023 are noted below. The primary differences between book and tax appreciation or depreciation of investments are wash sale loss deferrals and investments in partnerships.

	Unrealized Unre		Net T	ax Appreciation/
Federal Tax Cost Appreciation		(Depreciation)		(Depreciation)
\$ 590,996,276	\$451,864,330	\$(12,652,689)	\$	439,211,641

Income and capital gains distributions are determined in accordance with income tax regulations that may differ from US GAAP. These differences are due to differing treatments for items such as net short-term gains, deferral of wash sale losses, foreign currency transactions, and capital loss carryovers. Certain permanent differences such as tax returns of capital and net investment losses noted below have been reclassified to capital.

For the year ended December 31, 2023

	Distributions							
From (	From Ordinary Income From Long-Term Capital Gains Tax Return o				rn of Capital	Net Investn	nent Loss	
\$	1,399,152	\$	-	\$	-	\$	-	
For the ve	ar ended Decembe	or 31 9	022					
TOT THE YES	ar crided Decembe	51 01, 2	Distributions					
From (	Ordinary Income	From	Long-Term Capital Gains	Tax Retu	rn of Capital	Net Investn	nent Loss	
\$	972,986	\$	145,004,112	\$	-	\$	_	

Permanent book to tax basis differences may result in reclassifications between the components of net assets. These differences have no impact on the results of operations or net assets.

#### **Janus Henderson VIT Forty Portfolio** Notes to Financial Statements

#### 5. Capital Share Transactions

	Year ended I	December 31, 2023	Year ended December 31, 2022		
	Shares	Amount	Shares	Amount	
Institutional Shares:					
Shares sold	581,746	\$ 23,521,761	560,663	\$23,960,361	
Reinvested dividends and distributions	15,519	721,329	1,704,072	57,912,332	
Shares repurchased	(1,148,271)	(46,557,540)	(1,365,258)	(59,124,278)	
Net Increase/(Decrease)	(551,006)	\$(22,314,450)	899,477	\$22,748,415	
Service Shares:					
Shares sold	1,090,100	\$ 40,342,648	2,072,198	\$74,331,303	
Reinvested dividends and distributions	16,251	677,823	2,884,206	88,064,766	
Shares repurchased	(2,322,499)	(85,256,416)	(2,081,926)	(79,643,548)	
Net Increase/(Decrease)	(1,216,148)	\$(44,235,945)	2,874,478	\$82,752,521	

#### 6. Purchases and Sales of Investment Securities

For the year ended December 31, 2023, the aggregate cost of purchases and proceeds from sales of investment securities (excluding any short-term securities, short-term options contracts, TBAs, and in-kind transactions, as applicable) was as follows:

		Purch	ases of Long-	Proceeds from Sales
Purchases of	Proceeds from Sales	Term U.S	. Government	of Long-Term U.S.
Securities	of Securities		Obligations	Government Obligations
\$324,761,679	\$ 386,830,083	\$	-	\$ -

#### 7. Subsequent Event

Management has evaluated whether any events or transactions occurred subsequent to December 31, 2023 and through the date of issuance of the Portfolio's financial statements and determined that there were no material events or transactions that would require recognition or disclosure in the Portfolio's financial statements.

#### **Janus Henderson VIT Forty Portfolio Report of Independent Registered Public Accounting Firm**

To the Board of Trustees of Janus Aspen Series and Shareholders of Janus Henderson VIT Forty Portfolio

#### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Janus Henderson VIT Forty Portfolio (one of the portfolios constituting Janus Aspen Series, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statements of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

#### **Basis for Opinion**

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian and transfer agent. We believe that our audits provide a reasonable basis for our opinion.

Pricewaterhouse Coopers LLP

Denver, Colorado February 15, 2024

We have served as the auditor of one or more investment companies in Janus Henderson Funds since 1990.

#### Additional Information (unaudited)

#### **Proxy Voting Policies and Voting Record**

A description of the policies and procedures that the Portfolio uses to determine how to vote proxies relating to its portfolio securities is available without charge: (i) upon request, by calling 1-800-525-1093; (ii) on the Portfolio's website at janushenderson.com/proxyvoting; and (iii) on the SEC's website at http://www.sec.gov. Additionally, information regarding the Portfolio's proxy voting record for the most recent twelve-month period ended June 30 is also available, free of charge, through janushenderson.com/proxyvoting and from the SEC's website at http://www.sec.gov.

#### **Full Holdings**

The Portfolio files its complete portfolio holdings (schedule of investments) with the SEC as an exhibit to Form N-PORT within 60 days of the end of the first and third fiscal quarters, and in the annual report and semiannual report to shareholders. The Portfolio's Form N-PORT filings and annual and semiannual reports: (i) are available on the SEC's website at http://www.sec.gov; and (ii) are available without charge, upon request, by calling a Janus Henderson representative at 1-877-335-2687 (toll free). Portfolio holdings consisting of at least the names of the holdings are generally available on a monthly basis with a 30-day lag under Full Holdings for the Portfolio at janushenderson.com/vit.

#### APPROVAL OF ADVISORY AGREEMENTS DURING THE PERIOD

The Trustees of Janus Aspen Series and Janus Investment Fund, each of whom serves as an "independent" Trustee (collectively, the "Trustees"), oversee the management of each portfolio of Janus Aspen Series (each, a "VIT Portfolio," and collectively, the "VIT Portfolios"), as well as each fund of Janus Investment Fund (each, a "Fund," and collectively, the "Funds" and together with the VIT Portfolios, the "Janus Henderson Funds," and each, a "Janus Henderson Fund"). As required by law, the Trustees determine annually whether to continue the investment advisory agreement for each Janus Henderson Fund.

In connection with their most recent consideration of those agreements for each Janus Henderson Fund, the Trustees received and reviewed information provided by Janus Henderson Investors US LLC (the "Adviser") in response to requests of the Trustees and their independent legal counsel. They also received and reviewed information and analysis provided by, and in response to requests of, their independent fee consultant. Throughout their consideration of the agreements, the Trustees were advised by their independent legal counsel. The Trustees met with management to consider the agreements, and also met separately in executive session with their independent legal counsel and their independent fee consultant.

At meetings held on November 3, 2023 and December 14-15, 2023, the Trustees evaluated the information provided by the Adviser and the independent fee consultant, as well as other information provided by the Adviser and the independent fee consultant during the year. Following such evaluation, the Trustees determined that the overall arrangements between each Janus Henderson Fund and the Adviser were fair and reasonable in light of the nature, extent, and quality of the services provided by the Adviser and its affiliates, the fees charged for those services, and other matters that the Trustees considered relevant in the exercise of their business judgment, and unanimously approved the continuation of the investment advisory agreement for each Janus Henderson Fund for the period from February 1, 2024 through February 1, 2025, subject to earlier termination as provided for in each agreement.

In considering the continuation of those agreements, the Trustees reviewed and analyzed various factors that they determined were relevant, including the factors described below, none of which by itself was considered dispositive. However, the material factors and conclusions that formed the basis for the Trustees' determination to approve the continuation of the agreements are discussed separately below. Also included is a summary of the independent fee consultant's conclusions and opinions that arose during, and were included as part of, the Trustees' consideration of the agreements. "Management fees," as used herein, reflect actual annual advisory fees and, for the purpose of peer comparisons any administration fees (excluding out of pocket costs), net of any waivers, paid by a fund as a percentage of average net assets.

#### Nature, Extent and Quality of Services

The Trustees reviewed the nature, extent, and quality of the services provided by the Adviser to the Janus Henderson Funds, taking into account the investment objective, strategies, and policies of each Janus Henderson Fund, and the knowledge the Trustees gained from their regular meetings with management on at least a quarterly basis and their ongoing review of information related to the Janus Henderson Funds. In addition, the Trustees reviewed the resources and key personnel of the Adviser, particularly noting those employees who provide investment and risk management services to the Janus Henderson Funds. The Trustees also considered other services provided to the Janus Henderson

#### Additional Information (unaudited)

Funds by the Adviser, such as managing the execution of portfolio transactions and the selection of broker-dealers for those transactions. The Trustees considered the Adviser's role as administrator to the Janus Henderson Funds, noting that the Adviser generally does not receive a fee for its services as administrator, but is reimbursed for its out-of-pocket costs. The Trustees considered the role of the Adviser in monitoring adherence to the Janus Henderson Funds' investment restrictions, providing support services for the Trustees and Trustee committees, and overseeing communications with Janus Henderson Fund shareholders and the activities of other service providers, including monitoring compliance with various policies and procedures of the Janus Henderson Funds and with applicable securities laws and regulations.

In this regard, the independent fee consultant noted that the Adviser provides a number of different services for the Janus Henderson Funds and their shareholders, ranging from investment management services to various other servicing functions, and that, in its view, the Adviser is a capable provider of those services. The independent fee consultant also provided its belief that the Adviser has developed a number of institutional competitive advantages that should enable it to provide superior investment and service performance over the long term.

The Trustees concluded that the nature, extent, and quality of the services provided by the Adviser to each Janus Henderson Fund were appropriate and consistent with the terms of the respective advisory agreements, and that, taking into account steps taken to address those Janus Henderson Funds whose performance lagged that of their peers for certain periods, the Janus Henderson Funds were likely to benefit from the continued provision of those services. They also concluded that the Adviser had sufficient personnel, with the appropriate education and experience, to serve the Janus Henderson Funds effectively and had demonstrated its ability to attract well-qualified personnel.

#### Performance of the Funds

The Trustees considered the performance results of each Janus Henderson Fund over various time periods. They noted that they considered Janus Henderson Fund performance data throughout the year, including periodic meetings with each Janus Henderson Fund's portfolio manager(s), and also reviewed information comparing each Janus Henderson Fund's performance with the performance of comparable fund peer groups identified by Broadridge Financial Solutions, Inc. ("Broadridge"), an independent data provider, and with the Janus Henderson Fund's benchmark index.

In this regard, as reported by Broadridge: (i) for the 12 months ended June 30, 2023, approximately 44% of the Janus Henderson Funds were in the top two quartiles of their Broadridge peer groups; and (ii) for the 36 months ended June 30, 2023, approximately 50% of the Janus Henderson Funds were in the top two quartiles of their Broadridge peer groups. In addition, the independent fee consultant found that the Janus Henderson Funds' average 2023 performance has been reasonable, noting that: (i) for the 12 months ended September 30, 2023, approximately 43% of the Janus Henderson Funds were in the top two quartiles of performance as reported by Morningstar; (ii) for the 36 months ended September 30, 2023, approximately 45% of the Janus Henderson Funds were in the top two quartiles of performance as reported by Morningstar; and (iii) for the 5- and 10-year periods ended September 30, 2023, approximately 63% and 66% of the Janus Henderson Funds were in the top two quartiles of performance, respectively, as reported by Morningstar.

The Trustees considered the performance of each Janus Henderson Fund, noting that performance may vary by share class, and noted the following with respect to the VIT Portfolios:

- For Janus Henderson Balanced Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Enterprise Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the third Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Flexible Bond Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the bottom Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Forty Portfolio, the Trustees noted that the VIT Portfolio's performance was in the third Broadridge guartile for the 36 months ended June 30, 2023 and the second Broadridge guartile for the 12 months ended June 30, 2023. The Trustees noted the reasons for the VIT Portfolio's underperformance, while also noting

#### **Additional Information (unaudited)**

that the VIT Portfolio has a performance fee structure that results in lower management fees during periods of underperformance, the steps the Adviser had taken or was taking to improve performance, and that the performance trend was improving.

- For Janus Henderson Global Research Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Global Sustainable Equity Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted that 36 month-end performance was not yet available.
- For Janus Henderson Global Technology and Innovation Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Mid Cap Value Portfolio, the Trustees noted that the VIT Portfolio's performance was in the bottom Broadridge quartile for the 36 months ended June 30, 2023 and the third Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted the reasons for the VIT Portfolio's underperformance, while also noting that the VIT Portfolio has a performance fee structure that results in lower management fees during periods of underperformance, the steps the Adviser had taken or was taking to improve performance.
- For Janus Henderson Overseas Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the bottom Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Research Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.

In consideration of each Janus Henderson Fund's performance, the Trustees concluded that, taking into account the factors relevant to performance, as well as other considerations, including steps taken to improve performance, as applicable, the Janus Henderson Fund's performance warranted continuation of such Janus Henderson Fund's investment advisory agreement.

#### Costs of Services Provided

The Trustees examined information regarding the fees and expenses of each Janus Henderson Fund in comparison to similar information for other comparable funds as provided by Broadridge, an independent data provider. They also reviewed an analysis of that information provided by their independent fee consultant. The independent fee consultant provided its belief that the management fees charged by the Adviser to each of the Janus Henderson Funds under the current investment advisory and administration agreements are reasonable in relation to the services provided by the Adviser. The independent fee consultant found: (1) the total expenses and management fees of the Janus Henderson Funds to be reasonable relative to other comparable mutual funds; (2) the total expenses, on average, were 8% under the average total expenses of the respective Broadridge peer group; and (3) the management fees for the Janus Henderson Funds, on average, were 6% under the average management fees for the respective Broadridge peer group. The Trustees also considered the total expenses for each share class of each Janus Henderson Fund compared to the average total expenses for its Broadridge Expense Universe.

For Janus Henderson Funds with three or more years of performance history, the independent fee consultant also performed a systematic "focus list" analysis of expenses which assessed fund fees in the context of fund performance being delivered. Based on this analysis, the independent fee consultant found that the combination of service quality/performance and expenses on these individual Janus Henderson Funds was reasonable considering performance trends, performance histories, changes in portfolio management, relative average net asset levels, and the existence of performance fees, breakpoints, and/or expense waivers on such Janus Henderson Funds.

The Trustees considered the methodology used by the Adviser in determining compensation payable to portfolio managers, the competitive environment for investment management talent, and the competitive market for mutual funds in different distribution channels.

#### Additional Information (unaudited)

The Trustees also reviewed management fees charged by the Adviser to comparable institutional/separate account clients and to comparable non-affiliated funds subadvised by the Adviser (for which the Adviser provides only or primarily portfolio management services). Although in most instances subadvisory and institutional/separate account fee rates for various investment strategies were lower than management fee rates for Janus Henderson Funds having a similar strategy, the Trustees considered that the Adviser noted that, under the terms of the management agreements with the Janus Henderson Funds, the Adviser performs significant additional services for the Janus Henderson Funds that it does not provide to those other clients, including administration services, oversight of the Janus Henderson Funds' other service providers, Trustee support, regulatory compliance, and numerous other services, and that, in serving the Janus Henderson Funds, the Adviser assumes many legal risks and other costs that it does not assume in servicing its other clients. Moreover, the Trustees noted that the independent fee consultant referenced its past analyses from 2022, which found that: (1) the management fees the Adviser charges to the Janus Henderson Funds are reasonable in relation to the management fees the Adviser charges to funds subadvised by the Adviser and to the fees the Adviser charges to its institutional separate account clients; (2) these subadvised and institutional separate accounts have different service and infrastructure needs and operate in markets very different from the retail fund market; (3) Janus Henderson mutual fund investors enjoy reasonable fees relative to the fees charged in these other markets; and (4) 9 of 11 Janus Henderson Funds had lower management fees than similar funds subadvised by the Adviser. As part of their review of the 2022 independent consultant findings, the Trustees noted that for the two Janus Henderson Funds that did not have lower management fees than similar funds subadvised by the Adviser, management fees for each were under the average of its 15(c) peer group.

The Trustees considered the fees for each Janus Henderson Fund for its fiscal year ended in 2022 and noted the following with regard to each VIT Portfolio's total expenses, net of applicable fee waivers (the VIT Portfolio's "total expenses") as reflected in the comparative information provided by Broadridge:

- For Janus Henderson Balanced Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group average for one share class, overall the VIT Portfolio's total expenses were reasonable.
- For Janus Henderson Enterprise Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Flexible Bond Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group for one share class, overall the VIT Portfolio's total expenses were reasonable. The Trustees also noted that the Adviser has contractually agreed to limit the VIT Portfolio's expenses, although this limit did not apply because the Fund's total expenses as shown were below the applicable fee limit.
- For Janus Henderson Forty Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Research Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Sustainable Equity Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Technology and Innovation Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Mid Cap Value Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Overseas Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group average for one share class, overall the VIT Portfolio's total expenses were reasonable.
- For Janus Henderson Research Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.

The Trustees reviewed information on the overall profitability to the Adviser and its affiliates from their relationships with the Janus Henderson Funds, and considered profitability data of other publicly traded mutual fund advisers. The Trustees recognized that profitability comparisons among fund managers are difficult because of the variation in the type of comparative information that is publicly available, and the profitability of any fund manager is affected by

#### Additional Information (unaudited)

numerous factors, including the organizational structure of the particular fund manager, differences in complex size, difference in product mix, difference in types of business (mutual fund, institutional and other), differences in the types of funds and other accounts it manages, possible other lines of business, the methodology for allocating expenses and the fund manager's capital structure and cost of capital.

Additionally, the Trustees considered the estimated profitability to the Adviser from the investment management services it provided to each Janus Henderson Fund. In their review, the Trustees considered whether the Adviser receives adequate incentives and resources to manage the Janus Henderson Funds effectively. In reviewing profitability, the Trustees noted that the estimated profitability for an individual Janus Henderson Fund is necessarily a product of the allocation methodology utilized by the Adviser to allocate its expenses as part of the estimated profitability calculation. In this regard, the Trustees noted that the independent fee consultant found as part of its 2022 review, which assessed 2021 fund-level profitability, that (1) the expense allocation methodology and rationales utilized by the Adviser were reasonable and (2) no clear correlation exists between expense allocations and operating margins. The Trustees noted that the Adviser reported no changes to its allocation methodology for the 2023 15(c) process; however, at the Trustees' request, the independent fee consultant reviewed changes to the allocation methodology that were reflected in the 2021 data for the 2022 15(c) process, but were not separately analyzed by the independent fee consultant as part of its 2022 review. The independent fee consultant found the new allocation methodology and the rationale for the changes to be reasonable. Further, the independent fee consultant's analysis of fund operating margins showed de minimis impact on operating margins as a result of the changes to the allocation methodology. As part of their overall review of fund profitability, the Trustees also considered that the estimated profitability for an individual Janus Henderson Fund was influenced by a number of factors, including not only the allocation methodology selected. but also the presence of fee waivers and expense caps, and whether the Janus Henderson Fund's investment management agreement contained breakpoints or a performance fee component. The Trustees determined, after taking into account these factors, among others, that the Adviser's estimated profitability with respect to each Janus Henderson Fund was not unreasonable in relation to the services provided, and that the variation in the range of such estimated profitability among the Janus Henderson Funds was not a material factor in the Board's approval of the reasonableness of any Janus Henderson Fund's investment management fees.

The Trustees concluded that the management fees payable by each Janus Henderson Fund to the Adviser were reasonable in relation to the nature, extent, and quality of the services provided, taking into account the fees charged by other advisers for managing comparable mutual funds with similar strategies, the fees the Adviser charges to other clients, and, as applicable, the impact of fund performance on management fees payable by the Janus Henderson Funds. The Trustees also concluded that each Janus Henderson Fund's total expenses were reasonable, taking into account the size of the Janus Henderson Fund, the quality of services provided by the Adviser, the investment performance of the Janus Henderson Fund, and any expense limitations agreed to or provided by the Adviser.

#### Economies of Scale

The Trustees considered information about the potential for the Adviser to realize economies of scale as the assets of the Janus Henderson Funds increase. They noted that their independent fee consultant published a report to the Trustees in 2022, which provided its research and analysis into economies of scale. The Trustees also considered the following from the independent fee consultant's 2023 report: (1) past analyses completed by it cannot confirm or deny the existence of economies of scale in the Janus Henderson complex, but the independent fee consultant provided its belief that Janus Henderson Fund investors are well-served by the fee levels, management fee breakpoints, and performance fee structures in place on the Janus Henderson Funds in light of any economies of scale that may be present at the Adviser; (2) that 28% of Janus Henderson Funds had management fee breakpoints in place whereby investors pay lower management fees as fund AUM increases; (3) that 31% of Janus Henderson Funds have low flatrate fees and performance fees where the Adviser is incentivized to invest in resources which drive Janus Henderson Fund performance; and (4) that 41% of Janus Henderson Funds have low flat-rate fees (the "Low Flat-Rate Fee Funds") versus peers where investors pay low fixed fees when the Janus Henderson Fund is small/midsized and higher fees when the Janus Henderson Fund grows in assets.

With respect to the Low Flat-Rate Fee Funds, the independent fee consultant concluded in its 2023 report that (1) 70% of such funds have contractual management fees (gross of waivers) below their respective Broadridge peer group averages; (2) to the extent there were economies of scale at the Adviser, the Adviser's general strategy of setting fixed management fees below peers appeared to share any such economies with investors even on smaller Janus Henderson Funds, which have not yet achieved those economies; and (3) by setting lower fixed fees from the start on

#### Additional Information (unaudited)

the Low Flat-Rate Fee Funds, the Adviser appeared to be investing to increase the likelihood that these Janus Henderson Funds will grow to a level to achieve any economies of scale that may exist.

The Trustees also noted that the Janus Henderson Funds share directly in economies of scale through the significant investments made by the Adviser and its affiliates related to services provided to the Funds and the lower charges of third-party service providers that are based in part on the combined scale of all of the Janus Henderson Funds.

Based on all of the information reviewed, including the recent and past research and analysis conducted by the Trustees' independent fee consultant, the Trustees concluded that the current fee structure of each Janus Henderson Fund was reasonable and that the current rates of fees do reflect a sharing between the Adviser and the Janus Henderson Fund of any economies of scale that may be present at the current asset level of the Janus Henderson Fund.

#### Other Benefits to the Adviser

The Trustees also considered other benefits that accrue to the Adviser and its affiliates from their relationships with the Janus Henderson Funds. They recognized that two affiliates of the Adviser separately serve the Janus Henderson Funds as transfer agent and distributor, respectively, and the transfer agent receives compensation directly from the non-money market Janus Henderson Funds for services provided, and that such compensation contributes to the overall profitability of the Adviser and its affiliates that results from their relationship with the Janus Henderson Funds. The Trustees also considered the Adviser's past and proposed use of commissions paid by Janus Henderson Funds on portfolio brokerage transactions to obtain proprietary and third-party research products and services benefiting the Janus Henderson Fund and/or other clients of the Adviser and/or the Adviser. The Trustees concluded that the Adviser's use of these types of client commission arrangements to obtain proprietary and third-party research products and services was consistent with regulatory requirements and guidelines and was likely to benefit such Janus Henderson Funds. The Trustees also concluded that, other than the services provided by the Adviser and its affiliates pursuant to the agreements and the fees to be paid by each Janus Henderson Fund therefor the Janus Henderson Funds and the Adviser may potentially benefit from their relationship with each other in other ways. They concluded that the Adviser and its affiliates share directly in economies of scale through the lower charges of third-party service providers that are based in part on the combined scale of the Janus Henderson Funds and other clients serviced by the Adviser and its affiliates. They also concluded that the Adviser benefits from the receipt of research products and services acquired through commissions paid on portfolio transactions of the Janus Henderson Funds and that the Janus Henderson Funds benefit from the Adviser's receipt of those products and services as well as research products and services acquired through commissions paid by other clients of the Adviser. They further concluded that the success of any Janus Henderson Fund could attract other business to the Adviser or other Janus Henderson Funds, and that the success of the Adviser could enhance the Adviser's ability to serve the Janus Henderson Funds.

### Janus Henderson VIT Forty Portfolio Useful Information About Your Portfolio Report (unaudited)

#### **Management Commentary**

The Management Commentary in this report includes valuable insight as well as statistical information to help you understand how your Portfolio's performance and characteristics stack up against those of comparable indices.

If the Portfolio invests in foreign securities, this report may include information about country exposure. Country exposure is based primarily on the country of risk. A company may be allocated to a country based on other factors such as location of the company's principal office, the location of the principal trading market for the company's securities, or the country where a majority of the company's revenues are derived.

Please keep in mind that the opinions expressed in the Management Commentary are just that: opinions. They are a reflection based on best judgment at the time this report was compiled, which was December 31, 2023. As the investing environment changes, so could opinions. These views are unique and are not necessarily shared by fellow employees or by Janus Henderson in general.

#### **Performance Overviews**

Performance overview graphs compare the performance of a hypothetical \$10,000 investment in the Portfolio with one or more widely used market indices. When comparing the performance of the Portfolio with an index, keep in mind that market indices are not available for investment and do not reflect deduction of expenses.

Average annual total returns are quoted for a Portfolio with more than one year of performance history. Average annual total return is calculated by taking the growth or decline in value of an investment over a period of time, including reinvestment of dividends and distributions, then calculating the annual compounded percentage rate that would have produced the same result had the rate of growth been constant throughout the period. Average annual total return does not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares.

Cumulative total returns are quoted for a Portfolio with less than one year of performance history. Cumulative total return is the growth or decline in value of an investment over time, independent of the period of time involved. Cumulative total return does not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares.

Pursuant to federal securities rules, expense ratios shown in the performance chart reflect subsidized (if applicable) and unsubsidized ratios. The total annual fund operating expenses ratio is gross of any fee waivers, reflecting the Portfolio's unsubsidized expense ratio. The net annual fund operating expenses ratio (if applicable) includes contractual waivers of the Adviser and reflects the Portfolio's subsidized expense ratio. Ratios may be higher or lower than those shown in the "Financial Highlights" in this report.

#### Schedule of Investments

Following the performance overview section is the Portfolio's Schedule of Investments. This schedule reports the types of securities held in the Portfolio on the last day of the reporting period. Securities are usually listed by type (common stock, corporate bonds, U.S. Government obligations, etc.) and by industry classification (banking, communications, insurance, etc.). Holdings are subject to change without notice.

The value of each security is quoted as of the last day of the reporting period. The value of securities denominated in foreign currencies is converted into U.S. dollars.

If the Portfolio invests in foreign securities, it will also provide a summary of investments by country. This summary reports the Portfolio exposure to different countries by providing the percentage of securities invested in each country. The country of each security represents the country of risk. The Portfolio's Schedule of Investments relies upon the industry group and country classifications published by Bloomberg and/or MSCI Inc.

Tables listing details of individual forward currency contracts, futures, written options, swaptions, and swaps follow the Portfolio's Schedule of Investments (if applicable).

#### Statement of Assets and Liabilities

This statement is often referred to as the "balance sheet." It lists the assets and liabilities of the Portfolio on the last day of the reporting period.

#### **Janus Henderson VIT Forty Portfolio Useful Information About Your Portfolio Report (unaudited)**

The Portfolio's assets are calculated by adding the value of the securities owned, the receivable for securities sold but not yet settled, the receivable for dividends declared but not yet received on securities owned, and the receivable for Portfolio shares sold to investors but not yet settled. The Portfolio's liabilities include payables for securities purchased but not yet settled, Portfolio shares redeemed but not yet paid, and expenses owed but not yet paid. Additionally, there may be other assets and liabilities such as unrealized gain or loss on forward currency contracts.

The section entitled "Net Assets Consist of" breaks down the components of the Portfolio's net assets. Because the Portfolio must distribute substantially all earnings, you will notice that a significant portion of net assets is shareholder

The last section of this statement reports the net asset value ("NAV") per share on the last day of the reporting period. The NAV is calculated by dividing the Portfolio's net assets for each share class (assets minus liabilities) by the number of shares outstanding.

#### **Statement of Operations**

This statement details the Portfolio's income, expenses, realized gains and losses on securities and currency transactions, and changes in unrealized appreciation or depreciation of Portfolio holdings.

The first section in this statement, entitled "Investment Income," reports the dividends earned from securities and interest earned from interest-bearing securities in the Portfolio.

The next section reports the expenses incurred by the Portfolio, including the advisory fee paid to the investment adviser, transfer agent fees and expenses, and printing and postage for mailing statements, financial reports and prospectuses. Expense offsets and expense reimbursements, if any, are also shown.

The last section lists the amounts of realized gains or losses from investment and foreign currency transactions, and changes in unrealized appreciation or depreciation of investments and foreign currency-denominated assets and liabilities. The Portfolio will realize a gain (or loss) when it sells its position in a particular security. A change in unrealized gain (or loss) refers to the change in net appreciation or depreciation of the Portfolio during the reporting period. "Net Realized and Unrealized Gain/(Loss) on Investments" is affected both by changes in the market value of Portfolio holdings and by gains (or losses) realized during the reporting period.

#### Statements of Changes in Net Assets

These statements report the increase or decrease in the Portfolio's net assets during the reporting period. Changes in the Portfolio's net assets are attributable to investment operations, dividends and distributions to investors, and capital share transactions. This is important to investors because it shows exactly what caused the Portfolio's net asset size to change during the period.

The first section summarizes the information from the Statement of Operations regarding changes in net assets due to the Portfolio's investment operations. The Portfolio's net assets may also change as a result of dividend and capital gains distributions to investors. If investors receive their dividends and/or distributions in cash, money is taken out of the Portfolio to pay the dividend and/or distribution. If investors reinvest their dividends and/or distributions, the Portfolio's net assets will not be affected.

The reinvestment of dividends and distributions is included under "Capital Share Transactions." "Capital Shares" refers to the money investors contribute to the Portfolio through purchases or withdrawals via redemptions. The Portfolio's net assets will increase and decrease in value as investors purchase and redeem shares from the Portfolio.

#### **Financial Highlights**

This schedule provides a per-share breakdown of the components that affect the Portfolio's NAV for current and past reporting periods as well as total return, asset size, ratios, and portfolio turnover rate.

The first line in the table reflects the NAV per share at the beginning of the reporting period. The next line reports the net investment income/(loss) per share. Following is the per share total of net gains/(losses), realized and unrealized. Per share dividends and distributions to investors are then subtracted to arrive at the NAV per share at the end of the period. The next line reflects the total return for the period. The total return may include adjustments in accordance with generally accepted accounting principles required at the period end for financial reporting purposes. As a result, the total return may differ from the total return reflected for individual shareholder transactions. Also included are ratios of expenses and net investment income to average net assets.

### Janus Henderson VIT Forty Portfolio Useful Information About Your Portfolio Report (unaudited)

The Portfolio's expenses may be reduced through expense offsets and expense reimbursements. The ratios shown reflect expenses before and after any such offsets and reimbursements.

The ratio of net investment income/(loss) summarizes the income earned less expenses, divided by the average net assets of the Portfolio during the reporting period. Do not confuse this ratio with the Portfolio's yield. The net investment income ratio is not a true measure of the Portfolio's yield because it does not take into account the dividends distributed to the Portfolio's investors.

The next figure is the portfolio turnover rate, which measures the buying and selling activity in the Portfolio. Portfolio turnover is affected by market conditions, changes in the asset size of the Portfolio, fluctuating volume of shareholder purchase and redemption orders, the nature of the Portfolio's investments, and the investment style and/or outlook of the portfolio manager(s) and/or investment personnel. A 100% rate implies that an amount equal to the value of the entire portfolio was replaced once during the fiscal year; a 50% rate means that an amount equal to the value of half the portfolio is traded in a year; and a 200% rate means that an amount equal to the entire portfolio is traded every six months.

### Janus Henderson VIT Forty Portfolio Designation Requirements (unaudited)

For federal income tax purposes, the Portfolio designated the following for the year ended December 31, 2023:

Dividends Received Deduction Percentage

100%

Trustees and Officers (unaudited)

The following are the Trustees and officers of the Trust, together with a brief description of their principal occupations during the last five years (principal occupations for certain Trustees may include periods over five years). The Portfolio's Statement of Additional Information includes additional information about the Trustees and officers and is available, without charge, by calling 1-877-335-2687.

Each Trustee has served in that capacity since he or she was originally elected or appointed. The Trustees do not serve a specified term of office. Each Trustee will hold office until the termination of the Trust or his or her earlier death, resignation, retirement, incapacity, or removal. Under the Portfolio's Governance Procedures and Guidelines, the policy is for Trustees to retire no later than the end of the calendar year in which the Trustee turns 75, unless extended by the Trustees. The Trustees review the Portfolio's Governance Procedures and Guidelines from time to time and may make changes they deem appropriate. The Portfolio's Nominating and Governance Committee will consider nominees for the position of Trustee recommended by shareholders. Shareholders may submit the name of a candidate for consideration by the Committee by submitting their recommendations to the Trust's Secretary. Each Trustee is currently a Trustee of one other registered investment company advised by the Adviser: Janus Investment Fund. Collectively, these two registered investment companies consist of 48 series or funds referred to herein as the Fund Complex.

The Trust's officers are elected annually by the Trustees for a one-year term. Certain officers also serve as officers of Janus Investment Fund. Certain officers of the Portfolio may also be officers and/or directors of the Adviser. Except as otherwise disclosed, Portfolio officers receive no compensation from the Portfolio, except for the Portfolio's Chief Compliance Officer, as authorized by the Trustees.

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Alan A. Brown 151 Detroit Street Denver, CO 80206 DOB: 1962	Chairman	5/22- Present 1/13- Present	Principal, Curam Holdings LLC (since 2018). Formerly, Executive Vice President, Institutional Markets, of Black Creek Group (private equity real estate investment management firm) (2012-2018), Executive Vice President and Co-Head, Global Private Client Group (2007-2010), Executive Vice President, Mutual Funds (2005-2007), and Chief Marketing Officer (2001-2005) of Nuveen Investments, Inc.	48	Advisory Board Member of AEW Core Property Trust (open-end property fund) (since 2020), and Director of WTTW (PBS affiliate) (since 2003). Formerly, Director of MotiveQuest LLC (strategic social market research company) (2003-2016), Director of Nuveen Global Investors LLC (2007-2011), Director of Communities in Schools (2004-2010), and Director of Mutual Fund Education Alliance (until 2010).
Cheryl D. Alston 151 Detroit Street Denver, CO 80206 DOB: 1966	Trustee	8/22- Present	(asset management).  Executive Director and Chief Investment Officer, Employees' Retirement Fund of the City of Dallas (since 2004).	48	Director of Blue Cross Blue Shield of Kansas City (a not-for-profit health insurance provider) (since 2016) and Director of Global Life Insurance (life and supplemental health insurance provider) (since 2017). Formerly, Director of Federal Home Loan Bank of Dallas (2017-2021).

Name, Address, and Age Independent Trustee	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
William D. Cvengros 151 Detroit Street Denver, CO 80206 DOB: 1948	Trustee	1/11- Present	Chief Executive Officer of SJC Capital, LLC (a personal investment company and consulting firm) (since 2002). Formerly, Chief Executive Officer and President of PIMCO Advisors Holdings L.P. (a publicly traded investment management firm) (1994-2000), and Chief Investment Officer (1987- 1994) and Vice	48	Board Member, Revitate Capital (alternate asset manager) (since 2023), Member, Limited Partner Advisory Committee, Karmel Capital Fund III (later stage growth fund) (since 2022), Member of the Investment Committee for the Orange County Community Foundation (a grantmaking foundation) (since 2020), Advisory Board Member, RevOZ Fund LP and related funds (real estate investments for opportunity zones) (since 2020), and Advisory Board Member, Innovate Partners Emerging Growth and Equity Fund I
			Chairman and Director (1990-1994) of Pacific Life Insurance Company (a mutual life insurance and annuity company) (1987-1994).		(early stage venture capital fund) (since 2014). Formerly, Managing Trustee of National Retirement Partners Liquidating Trust (2013-2016), Chairman, National Retirement Partners, Inc. (formerly a network of advisors to 401(k) plans) (2005-2013), Director of Prospect Acquisition Corp. (a special purpose acquisition corporation) (2007-2009), Director of RemedyTemp, Inc. (temporary help services company) (1996-2006), and Trustee of PIMCO Funds Multi-Manager Series (1990-2000) and Pacific Life Variable Life & Annuity Trusts (1987-1994).

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Raudline Etienne 151 Detroit Street Denver, CO 80206 DOB: 1965	Trustee	6/16- Present	Founder, Daraja Capital (advisory and investment firm) (since 2016). Formerly, Senior Vice President and Senior Advisor, Albright Stonebridge Group LLC (global strategy firm) (2011-2021), and Deputy Comptroller and Chief Investment Officer, New York State Common Retirement Fund (public pension fund) (2008- 2011).	48	Member of the Investment Committee for Cooper Union (private college) (since 2021) and Director of Brightwood Capital Advisors, LLC (since 2014). Formerly, Board Member, Van Alen Institute (nonprofit architectural and design organization) (2019-2022).

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Darrell B. Jackson 151 Detroit Street Denver, CO 80206 DOB: 1958	Trustee	8/22- Present	President and Chief Executive Officer, The Efficace Group Inc. (since 2018). Formerly, President and Chief Executive Officer, Seaway Bank and Trust Company (community bank) (2014-2015), and Executive Vice President and Co- President, Wealth Management (2009-2014), and several senior positions, including Group Executive, Senior Vice President, and Vice President (1995- 2009) of Northern Trust Company (financial services company) (1995- 2014).	48	Advisory Board Member, Dome Construction (construction) (since 2023), Director of Amalgamated Financial Corp (bank) (since August 2021), Director of YR Media (a not-for-profit production company) (since 2021), and Director of Gray-Bowen-Scott (transportation project consulting firm) (since April 2020). Formerly, Director of Delaware Place Bank (closely held commercial bank) (2016-2018) and Director of Seaway Bank and Trust Company (2014- 2015).

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
William F. McCalpin 151 Detroit Street Denver, CO 80206 DOB: 1957	Trustee	6/02- Present	Chief Executive Officer, muun chi LLC (organic food business) (since 2022) and Independent Consultant (since 2019). Formerly, Chief Operating Officer, muun chi LLC (2020-2022), Managing Partner, Impact Investments, Athena Capital Advisors LLC (independent registered investment advisor) (2016- 2019), Managing Director, Holos Consulting LLC (provides consulting services to foundations and other nonprofit organizations) (2009-2016), Chief Executive Officer, Imprint Capital Advisors (impact investment firm) (2013-2015), and Executive Vice President and Chief Operating Officer of The Rockefeller Brothers Fund (a private family foundation) (1998- 2006).	48	Chairman of the Board of The Investment Fund for Foundations Investment Program (TIP) (consisting of 1 fund) (since 2008). Formerly, Trustee, TIP (2008-2023), Director of the F.B. Heron Foundation (a private grantmaking foundation) (2006-2022), and Director of Mutual Fund Directors Forum (a nonprofit organization serving independent directors of U.S. mutual funds) (2016-2021).

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Gary A. Poliner 151 Detroit Street Denver, CO 80206 DOB: 1953	Trustee	6/16- Present	Retired. Formerly, President (2010- 2013) of Northwestern Mutual Life Insurance Company.	48	Formerly, Director of MGIC Investment Corporation (private mortgage insurance) (2013-2023), Director, West Bend Mutual Insurance Company (property/casualty insurance) (2013-2021), Trustee of Northwestern Mutual Life Insurance Company (2010-2013) and Director of Frank Russell Company (global asset management firm) (2008-2013).
Diane L. Wallace 151 Detroit Street Denver, CO 80206 DOB: 1958	Trustee	6/17- Present	Retired. Formerly, Chief Operating Officer, Senior Vice President-Operations, and Chief Financial Officer for Driehaus Capital Management, LLC (1988-2006) and Treasurer for Driehaus Mutual Funds (1996-2002).	48	Formerly, Director of Family Service of Lake County (2019-2021), Independent Trustee, Henderson Global Funds (13 portfolios) (2015-2017), Independent Trustee, State Farm Associates' Funds Trust, State Farm Mutual Fund Trust, and State Farm Variable Product Trust (28 portfolios) (2013-2017).

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Name, Address, and Age	Positions Held with the Trust	Term of Office* and Length of Time Served	Principal Occupations During the Past Five Years
A. Douglas Rao 151 Detroit Street Denver, CO 80206 DOB: 1974	Executive Vice President and Co-Portfolio Manager Janus Henderson Forty Portfolio	6/13-Present	Portfolio Manager for other Janus Henderson accounts.
Brian Recht 151 Detroit Street Denver, CO 80206 DOB: 1987	Executive Vice President and Co-Portfolio Manager Janus Henderson Forty Portfolio	3/22-Present	Portfolio Manager for other Janus Henderson accounts and Analyst for the Adviser.
Nick Schommer 151 Detroit Street Denver, CO 80206 DOB: 1978	Executive Vice President and Co-Portfolio Manager Janus Henderson Forty Portfolio	1/16-Present	Portfolio Manager for other Janus Henderson accounts.
Michelle Rosenberg 151 Detroit Street Denver, CO 80206 DOB: 1973	President and Chief Executive Officer	9/22-Present	General Counsel and Corporate Secretary of Janus Henderson Investors (since 2018). Formerly, Interim President and Chief Executive Officer of the Trust and Janus Investment Fund (2022), Senior Vice President and Head of Legal, North America of Janus Henderson Investors (2017-2018) and Deputy General Counsel of Janus Henderson US (Holdings) Inc. (2015-2018).

<sup>\*</sup> Officers are elected at least annually by the Trustees for a one-year term and may also be elected from time to time by the Trustees for an interim period.

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OFFICERS			
Name, Address, and Age	Positions Held with the Trust	Term of Office* and Length of Time Served	Principal Occupations During the Past Five Years
Kristin Mariani 151 Detroit Street Denver, CO 80206 DOB: 1966	Vice President and Chief Compliance Officer	7/20-Present	Head of Compliance, North America at Janus Henderson Investors (since September 2020) and Chief Compliance Officer at Janus Henderson Investors US LLC (since September 2017). Formerly, Anti-Money Laundering Officer for the Trust and Janus Investment Fund (July 2020-December 2022), Global Head of Investment Management Compliance at Janus Henderson Investors (February 2019-August 2020), Vice President, Head of Global Distribution Compliance and Chief Compliance Officer at Janus Henderson Distributors US LLC (May 2017-September 2017), Vice President, Compliance at Janus Henderson US (Holdings) Inc., Janus Henderson Investors US LLC, and Janus Henderson Distributors US LLC (2009-2017).
Jesper Nergaard 151 Detroit Street	Chief Financial Officer	3/05-Present	Head of U.S. Fund Administration, Janus Henderson Investors and
Denver, CO 80206 DOB: 1962	Vice President, Treasurer, and Principal Accounting Officer	2/05-Present	Janus Henderson Services US LLC.
Abigail J. Murray 151 Detroit Street Denver, CO 80206 DOB: 1975	Vice President, Chief Legal Counsel, and Secretary	12/20-Present	Managing Counsel (since 2020). Formerly, Senior Counsel for Invesco Ltd. (2017-2020).
Ciaran Askin 151 Detroit Street Denver, CO 80206 DOB: 1978	Anti-Money Laundering Officer	12/22-Present	Global Head of Financial Crime, Janus Henderson Investors (since 2022). Formerly, Global Head of Financial Crime for Invesco Ltd. (2017-2022).

<sup>\*</sup> Officers are elected at least annually by the Trustees for a one-year term and may also be elected from time to time by the Trustees for an interim period.

# Janus Henderson VIT Forty Portfolio Notes



Janus Aspen Series

#### **HIGHLIGHTS**

- Portfolio management perspective
- Investment strategy behind your portfolio
- Portfolio performance, characteristics and holdings



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## Janus Henderson VIT Global Research Portfolio (unaudited)

Team-Based Approach Led by Matthew Peron, Director of Research

#### PERFORMANCE SUMMARY

For the 12-month period ending December 31, 2023, the Janus Henderson Global Research Portfolio's Institutional Shares and Service Shares returned 26.78% and 26.47%, respectively, while its primary benchmark, the MSCI World Index<sup>SM</sup>, returned 23.79%. The Portfolio's secondary benchmark, the MSCI All Country World Index<sup>SM</sup>, returned 22.20%.

#### MARKET ENVIRONMENT

Global equities ended the 12-month period with strong positive returns despite periods of market turbulence caused by shifting outlooks on central bank policy and the global economy. Economic growth appeared relatively resilient, although there were signs of slowing activity in Europe and other markets. A weaker-than-expected postreopening recovery in China added to global economic uncertainty. Most markets suffered heightened downward volatility in the third quarter, as geopolitical uncertainty pushed oil prices higher while adding to inflation concerns. Market sentiment improved in the fourth quarter, as investors began to anticipate that central banks might pause or cut interest rates in 2024, resulting in a strong rally in the final months of the year.

#### PERFORMANCE DISCUSSION

Our global sector teams employ a bottom-up, fundamental approach to identify what we consider the best global opportunities. Our analysts take a long-term view of companies with a focus on value creation and duration of growth, which we believe may lead to high returns on invested capital. The Portfolio directly captures the insights of our teams through their highest conviction ideas. In building a diversified Portfolio, we seek to minimize macroeconomic risks while generating strong performance over longer periods.

On an individual stock basis, relative contributors included materials companies such as Ferguson, a leading distributor of plumbing and building products to the residential and commercial markets. The company reported solid revenue growth and margins despite economic headwinds in the construction market. It also continued to gain share and grow at a faster pace than its end markets, while it delivered strong free cash flow as inventory levels normalized. We continue to like Ferguson for its strong competitive position and its large and growing market share.

Relative performance also benefited from an investment in Vistra Energy. This electricity and natural gas utility is the largest competitive power generator in the U.S. It reported solid quarterly financial performance with earnings exceeding consensus estimates. It also raised guidance and continued to deliver accelerating free cash flow. The company has indicated it remains on track to close its acquisition of Energy Harbor, a carbon-free power producer that owns the second-largest nuclear fleet in the U.S. The company has continued to increase its dividend while returning money to shareholders through an aggressive share repurchase plan.

Pernod Ricard was a relative detractor. This global spirits company owns brands such as Absolut Vodka and Mumm champagne. The stock declined in the third quarter after company management expressed caution over the nearterm sales outlook for the U.S. and especially China, where the post-reopening recovery has been weaker than anticipated. On a positive note, the company has experienced market gains in other areas, such as India. Management also reiterated a commitment to margin improvement, especially as inflation pressures have abated. We remain invested in the company due to its strong market positioning and diversified product portfolio.

Consumer products company Unilever, another detractor, owns brands such as Dove soap and Ben & Jerry's ice cream. While Unilever's third-quarter revenue growth met

## Janus Henderson VIT Global Research Portfolio (unaudited)

expectations, investors were disappointed that it left its 2024 guidance unchanged. The company also faced uncertainty about its ability to implement further price increases, as price hikes led customers to trade down to lower-priced alternatives. On a positive note, the company announced a plan to drive future revenue growth and improve its operational efficiency.

#### OUTLOOK

While we have welcomed the recent resilience in equity markets, we caution that we continue to see risks for the 2024 economic outlook. Even in the U.S., manufacturing activity has remained relatively soft, and consumers are facing increased pressure from higher living costs. We see headwinds for growth globally, but especially in China. Geopolitical developments could also take a human and economic toll while contributing to investment market volatility. Given these crosscurrents, we cannot rule out a potential recession in 2024. However, we are not expecting a sharp economic dislocation that would take the economy off its long-term growth trajectory.

In this environment, we remain committed to our riskaware, fundamentals-driven investment strategy that seeks out companies with strong or improving business models, proven management teams, and durable competitive advantages. We continue to pay close attention to the quality of corporate balance sheets, cash flow, and capital allocation. We also favor companies committed to reinvesting in their businesses. We are excited about new innovations that are transforming industries and creating opportunities, especially in secular growth areas such as information technology and healthcare. We remain opportunistic in other sectors where we have identified improving business models and favorable economic conditions. Through this disciplined investment approach, we will continue to pursue our goal of long-term growth in capital.

Thank you for your investment in Janus Henderson VIT Global Research Portfolio.

**Actively managed portfolios** may fail to produce the intended results. No investment strategy can ensure a profit or eliminate the risk of loss.

**Diversification** neither assures a profit nor eliminates the risk of experiencing investment losses.

**Quantitative Tightening (QT)** is a government monetary policy occasionally used to decrease the money supply by either selling

government securities or letting them mature and removing them from its cash balances.

#### Important Notice – Tailored Shareholder Reports

Effective January 24, 2023, the Securities and Exchange Commission (the "SEC") adopted rule and form amendments that require mutual funds and exchange-traded funds to provide shareholders with streamlined annual and semi-annual shareholder reports that highlight key information. Other information, including financial statements, that currently appears in shareholder reports will be made available online, delivered free of charge to shareholders upon request, and filed with the SEC. The first tailored shareholder report for the Portfolio will be for the reporting period ending June 30, 2024. Currently, management is evaluating the impact of the rule and form amendments on the content of the Portfolio's current shareholder reports.

## Janus Henderson VIT Global Research Portfolio (unaudited) **Portfolio At A Glance December 31, 2023**

#### **5 Top Contributors - Holdings**

#### **5 Top Detractors - Holdings**

	Average	Relative		Average	Relative
	Weight	Contribution		Weight	Contribution
Ferguson PLC	1.93%	0.56%	Pernod Ricard SA	1.68%	-0.56%
Vistra Energy Corp	1.28%	0.53%	JD.Com Inc - Class A	0.42%	-0.50%
NVIDIA Corp	2.13%	0.51%	Unilever PLC	1.75%	-0.42%
Uber Technologies Inc	0.72%	0.49%	Entain PLC	0.80%	-0.38%
Booking Holdings Inc	1.14%	0.43%	United Parcel Service Inc	1.32%	-0.36%

#### 5 Top Contributors - Sectors\*

			MSCI World
	Relative	Portfolio	Index
	Contribution	Average Weight	Average Weight
Energy	1.55%	7.90%	7.79%
Technology	0.69%	20.47%	20.46%
Financials	0.62%	17.48%	17.45%
Industrials	0.50%	17.21%	17.16%
Healthcare	0.22%	13.08%	13.10%

#### 3 Top Detractors - Sectors\*

			MSCI World
	Relative	Portfolio	Index
	Contribution	Average Weight	Average Weight
Communications	-0.17%	8.15%	8.44%
Consumer	0.01%	15.54%	15.60%
Other**	0.00%	0.17%	0.00%

Relative contribution reflects how the portolio's holdings impacted return relative to the benchmark. Cash and securities not held in the portfolio are not shown. For equity portfolios, relative contribution compares the performance of a security in the portfolio to the benchmark's total return, factoring in the difference in weight of that security in the benchmark. Returns are calculated using daily returns and previous day ending weights rolled up by ticker, excluding fixed income securities, gross of advisory fees, may exclude certain derivatives and will differ from actual performance. Performance attribution reflects returns gross of advisory fees and may differ from actual returns as they are based on end of day holdings. Attribution is calculated by geometrically linking daily returns for the portfolio and index.

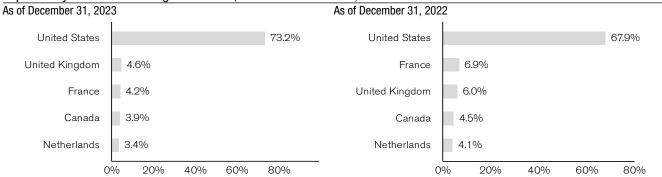
<sup>\*</sup> The sectors listed above reflect those covered by the six analyst teams who comprise the Janus Henderson Research Team.

<sup>\*\*</sup> Not a GICS classified sector.

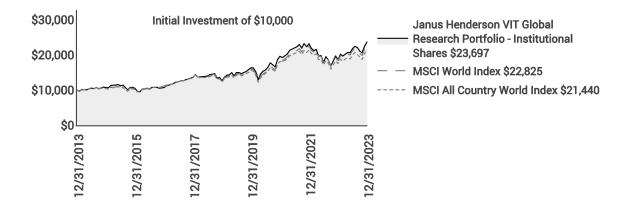
## Janus Henderson VIT Global Research Portfolio (unaudited) Portfolio At A Glance December 31, 2023

5 Largest Equity Holdings - (% of Net Assets)		Asset Allocation - (% of Net Assets)	
Microsoft Corp		Common Stocks	99.1%
Software	5.6%	Preferred Stocks	0.8%
Apple Inc		Investment Companies	0.1%
Technology Hardware, Storage & Peripherals	4.5%	Private Placements	0.0%
Alphabet Inc - Class C		Warrants	0.0%
Interactive Media & Services	3.3%	Other	0.0%
Amazon.com Inc			100.0%
Multiline Retail	2.8%		
NVIDIA Corp			
Semiconductor & Semiconductor Equipment	2.7%		
	18.9%		

#### Top Country Allocations - Long Positions - (% of Investment Securities)



## Janus Henderson VIT Global Research Portfolio (unaudited) Performance



Average Annual Total Return - for the p	periods ende	ed Decemb	er 31, 2023	<b>S</b>	Prospectus Expense Ratios
	One Year	Five Year	Ten Year	Since Inception*	Total Annual Fund Operating Expenses <sup>‡</sup>
Institutional Shares	26.78%	13.33%	9.01%	8.68%	0.64%
Service Shares	26.47%	13.05%	8.74%	8.40%	0.89%
MSCI World Index	23.79%	12.80%	8.60%	7.52%	
MSCI All Country World Index	22.20%	11.72%	7.93%	N/A**	
Morningstar Quartile - Institutional Shares	2nd	1st	2nd	2nd	
Morningstar Ranking - based on total returns					
for World Large Stock Funds	113/366	75/299	94/243	49/87	

Returns quoted are past performance and do not guarantee future results; current performance may be lower or higher. Investment returns and principal value will vary; there may be a gain or loss when shares are sold. For the most recent month-end performance call 800.668.0434 or visit janushenderson.com/VITperformance.

This Portfolio has a performance-based management fee that may adjust up or down based on the Portfolio's performance.

Performance may be affected by risks that include those associated with foreign and emerging markets, fixed income securities, high-yield and high-risk securities, undervalued, overlooked and smaller capitalization companies, real estate related securities including Real Estate Investment Trusts (REITs), Environmental, Social and Governance (ESG) factors, non-diversification, portfolio turnover, derivatives, short sales, initial public offerings (IPOs) and potential conflicts of interest. Each product has different risks. Please see the prospectus for more information about risks, holdings and other details.

High absolute short-term performance is not typical and may not be achieved in the future. Such results should not be the sole basis for evaluating material facts in making an investment decision.

Returns do not reflect the deduction of fees, charges or expenses of any insurance product or qualified plan. If applied, returns would have been lower.

Returns include reinvestment of all dividends and distributions and do not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares. The returns do not include adjustments in accordance with generally accepted accounting principles required at the period end for financial reporting purposes.

Performance for Service Shares prior to December 31, 1999 reflects the performance of Institutional Shares adjusted to reflect the expenses of Service Shares.

Ranking is for the share class shown only; other classes may have different performance characteristics.

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There is no assurance that the investment process will consistently lead to successful investing.

See important disclosures on the next page.

## Janus Henderson VIT Global Research Portfolio (unaudited) Performance

See Notes to Schedule of Investments and Other Information for index definitions.

Index performance does not reflect the expenses of managing a portfolio as an index is unmanaged.

See "Useful Information About Your Portfolio Report."

- \*The Portfolio's inception date September 13, 1993
- \*\*Since inception return is not shown for the index because the index's inception date differs significantly from the Portfolio's inception date.
- ‡ As stated in the prospectus. See Financial Highlights for actual expense ratios during the reporting period.

## Janus Henderson VIT Global Research Portfolio (unaudited) **Expense Examples**

As a shareholder of the Portfolio, you incur two types of costs: (1) transaction costs and (2) ongoing costs, including management fees; 12b-1 distribution and shareholder servicing fees (applicable to Service Shares only); transfer agent fees and expenses payable pursuant to the Transfer Agency Agreement; and other Portfolio expenses. This example is intended to help you understand your ongoing costs (in dollars) of investing in the Portfolio and to compare these costs with the ongoing costs of investing in other mutual funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. The example is based upon an investment of \$1,000 invested at the beginning of the period and held for the sixmonths indicated, unless noted otherwise in the table and footnotes below.

#### Actual Expenses

The information in the table under the heading "Actual" provides information about actual account values and actual expenses. You may use the information in these columns, together with the amount you invested, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number in the appropriate column for your share class under the heading entitled "Expenses Paid During Period" to estimate the expenses you paid on your account during the period.

#### Hypothetical Example for Comparison Purposes

The information in the table under the heading "Hypothetical (5% return before expenses)" provides information about hypothetical account values and hypothetical expenses based upon the Portfolio's actual expense ratio and an assumed rate of return of 5% per year before expenses, which is not the Portfolio's actual return. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the Portfolio and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. Additionally, for an analysis of the fees associated with an investment in either share class or other similar funds, please visit www.finra.org/fundanalyzer.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transaction costs, such as any charges at the separate account level or contract level. These fees are fully described in the Portfolio's prospectuses. Therefore, the hypothetical examples are useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if these transaction costs were included, your costs would have been higher.

	Actual			(50	Hypothe 6 return befo		
	Beginning Account Value (7/1/23)	Ending Account Value (12/31/23)	Expenses Paid During Period (7/1/23 - 12/31/23)†	Beginning Account Value (7/1/23)	Ending Account Value (12/31/23)	Expenses Paid During Period (7/1/23 - 12/31/23)† (	Net Annualized Expense Ratio (7/1/23 - 12/31/23)
Institutional Shares	\$1,000.00	\$1,086.80	\$3.16	\$1,000.00	\$1,022.18	\$3.06	0.60%
Service Shares	\$1,000.00	\$1,085.60	\$4.42	\$1,000.00	\$1,020.97	\$4.28	0.84%

<sup>†</sup>Expenses Paid During Period are equal to the Net Annualized Expense Ratio multiplied by the average account value over the period, multiplied by 184/365 (to reflect the one-half year period). Expenses in the examples include the effect of applicable fee waivers and/or expense reimbursements, if any. Had such waivers and/or reimbursements not been in effect, your expenses would have been higher. Please refer to the Notes to Financial Statements or the Portfolio's prospectuses for more information regarding waivers and/or reimbursements.

	Shares	Value
Common Stocks- 99.1%	Silares	value
Aerospace & Defense – 2.6% Airbus SE BAE Systems PLC General Dynamics Corp	22,362 867,524 18,366	\$3,450,219 12,277,430 4,769,099
Air Freight & Logistics – 1.0% United Parcel Service Inc	52,877	20,496,748 8,313,851
Airlines – 0.5% Ryanair Holdings PLC (ADR)*	31,887	4,252,450
Automobiles – 0.3% Tesla Inc*	8,763	2,177,430
Banks – 6.0%  Bank of America Corp  BNP Paribas SA  HDFC Bank Ltd  JPMorgan Chase & Co  Natwest Group PLC  UniCredit SpA	205,457 114,595 245,449 91,304 2,283,347 253,468	6,917,737 7,917,017 5,041,945 15,530,810 6,384,339 6,872,755 48,664,603
Beverages – 3.5% Constellation Brands Inc - Class A Monster Beverage Corp Pernod Ricard SA	43,681 137,968 53,295	10,559,882 7,948,337 9,397,629 27,905,848
Biotechnology – 2.0% AbbVie Inc Amgen Inc Argenx SE (ADR)* Ascendis Pharma A/S (ADR)* Madrigal Pharmaceuticals Inc* Sarepta Therapeutics Inc* Vertex Pharmaceuticals Inc*	7,822 5,927 5,684 14,714 9,411 22,393 11,997	1,212,175 1,707,095 2,162,364 1,853,228 2,177,517 2,159,357 4,881,459
Capital Markets – 3.3% Ares Management Corp - Class A Blackstone Group Inc Charles Schwab Corp LPL Financial Holdings Inc Morgan Stanley	32,138 45,675 95,689 22,335 55,758	16,153,195 3,821,851 5,979,771 6,583,403 5,083,893 5,199,434 26,668,352
Chemicals – 2.9% Linde PLC Sherwin-Williams Co	38,089 25,583	15,643,533 7,979,338 23,622,871
Consumer Finance – 1.2% Capital One Financial Corp OneMain Holdings Inc	49,180 59,115	6,448,482 2,908,458 9,356,940
Diversified Financial Services – 4.2% Apollo Global Management Inc Global Payments Inc Mastercard Inc Visa Inc	55,096 30,737 30,003 45,435	5,134,396 3,903,599 12,796,580 11,829,002 33,663,577
Electronic Equipment, Instruments & Components – 1.9% Hexagon AB - Class B Keysight Technologies Inc*	1,013,627 21,136	12,159,503 3,362,526 15,522,029

See Notes to Schedule of Investments and Other Information and Notes to Financial Statements.

Common Stocks- (continued)	Shares	Value
Entertainment – 1.8%		
Liberty Media Corp-Liberty Formula One - Series C*	124,938	\$7,887,336
Netflix Inc*	14,204	6,915,644 14,802,980
Health Care Equipment & Supplies – 2.5%		14,002,900
Abbott Laboratories	37,148	4,088,880
Boston Scientific Corp* Edwards Lifesciences Corp*	108,478 46,133	6,271,113 3,517,641
Hoya Corp	14,200	1,775,252
Intuitive Surgical Inc*	3,666	1,236,762
Stryker Corp	9,353	2,800,849 19,690,497
Health Care Providers & Services – 1.5%		19,090,491
HCA Healthcare Inc	14,619	3,957,071
UnitedHealth Group Inc	15,470	8,144,491 12,101,562
Hotels, Restaurants & Leisure – 3.3%		12,101,002
Booking Holdings Inc*	2,522	8,946,089
Entain PLC McDonald's Corp	364,597 42,880	4,619,493 12,714,349
Mozoriala a Gorp	12,000	26,279,931
Independent Power and Renewable Electricity Producers – 1.7% RWE AG	46.572	0.116.055
Vistra Energy Corp	46,573 297,097	2,116,955 11,444,177
<i>5.</i>	·	13,561,132
Insurance – 3.0% AIA Group Ltd	476,000	4,148,434
Arthur J Gallagher & Co	20,717	4,658,839
Beazley PLC	403,454	2,683,935
Intact Financial Corp Progressive Corp/The	13,333 65,286	2,051,525 10,398,754
Trogressive corp. The	00,200	23,941,487
Interactive Media & Services – 5.6%	100,000	00504444
Alphabet Inc - Class C*  Meta Platforms Inc - Class A*	188,066 53,252	26,504,141 18,849,078
	00,202	45,353,219
Life Sciences Tools & Services – 1.0%	14610	2 201 700
Danaher Corp Thermo Fisher Scientific Inc	14,618 9,334	3,381,728 4,954,394
	,	8,336,122
Machinery – 3.5% Atlas Copco AB - Class A	617,705	10,632,552
Deere & Co	19,571	7,825,856
Parker-Hannifin Corp	21,353	9,837,327
Metals & Mining – 2.2%		28,295,735
Freeport-McMoRan Inc	116,337	4,952,466
Rio Tinto PLC	55,293	4,116,604
Teck Resources Ltd	211,301	8,932,726 18,001,796
Multiline Retail – 2.8%		
Amazon.com Inc* Oil. Gas & Consumable Fuels – 5.6%	146,595	22,273,644
Canadian Natural Resources Ltd	119,071	7,801,761
Cheniere Energy Inc	17,261	2,946,625
ConocoPhillips EOG Resources Inc	61,148 43,852	7,097,448 5,303,899
Marathon Petroleum Corp	63,103	9,361,961
Suncor Energy Inc	137,020	4,390,142

See Notes to Schedule of Investments and Other Information and Notes to Financial Statements.

		14.7
Common Stocks- (continued)	Shares	Value
Oil, Gas & Consumable Fuels- (continued)		
TC Energy Corp	128,981	\$5,038,914
TotalEnergies SE	46,242	3,144,187 45,084,937
Personal Products – 1.8%		40,004,937
Unilever PLC	303,836	14,707,854
Pharmaceuticals – 5.3% AstraZeneca PLC	40.000	6729 406
Eli Lilly & Co	49,882 8,196	6,738,406 4,777,612
Merck & Co Inc	78,609	8,569,953
Novartis AG	56,546	5,707,730
Novo Nordisk A/S - Class B Roche Holding AG	73,043 13,044	7,552,591 3,793,123
Sanofi	43,945	4,353,949
Zoetis Inc	6,919	1,365,603
D 10 D 11 0 50/		42,858,967
Road & Rail – 0.5% Uber Technologies Inc*	68,134	4,195,010
Semiconductor & Semiconductor Equipment – 8.2%	00,104	4,190,010
Advanced Micro Devices Inc*	40,726	6,003,420
ASML Holding NV	16,467	12,390,783
Broadcom Inc Lam Research Corp	4,825 6,815	5,385,906 5,337,917
Marvell Technology Inc	47,748	2,879,682
NVIDIA Corp	43,158	21,372,705
Taiwan Semiconductor Manufacturing Co Ltd	473,000	9,140,916
Texas Instruments Inc	18,272	3,114,645 65,625,974
Software – 9.6%		00,020,011
Adobe Inc*	9,689	5,780,457
Atlassian Corp - Class A* Constellation Software Inc/Canada	1,542 1,391	366,780 3,449,174
Microsoft Corp	119,427	44,909,329
Palo Alto Networks Inc*	16,402	4,836,622
ServiceNow Inc*	3,884	2,744,007
Synopsys Inc* Workday Inc - Class A*	16,520 23,325	8,506,313 6,439,100
Workday inc. Class A	20,020	77,031,782
Specialty Retail – 1.2%	0.005	
O'Reilly Automotive Inc* Technology Hardware, Storage & Peripherals – 4.5%	9,827	9,336,436
Apple Inc	188,072	36,209,502
Textiles, Apparel & Luxury Goods – 1.0%	·	
LVMH Moet Hennessy Louis Vuitton SE	7,130	5,773,509 2,502,246
Moncler SpA	40,699	8,275,755
Trading Companies & Distributors – 2.0%		
Ferguson PLC	85,494	16,435,706
Wireless Telecommunication Services – 1.1% T-Mobile US Inc	53,519	8,580,701
Total Common Stocks (cost \$489,913,282)	35,6.6	797,778,623
Preferred Stocks- 0.8%		
Automobiles – 0.8%	67.140	E 000 101
Dr Ing hc F Porsche AG (144A) (cost \$5,630,440) Private Placements – 0%	67,149	5,922,121
Health Care Providers & Services – 0%		
API Holdings Private Ltd*,¢,§ (cost \$2,347,416)	3,231,470	187,965

See Notes to Schedule of Investments and Other Information and Notes to Financial Statements.

	Shares	Value
Warrants- 0%		
Software – 0%		
Constellation Software Inc/Canada, expires 3/31/40*, (cost \$0)	1,355	\$0
Investment Companies – 0.1%		
Money Markets - 0.1%		
Janus Henderson Cash Liquidity Fund LLC, 5.3879% <sup>°,£</sup> (cost \$794,382)	794,223	794,382
Total Investments (total cost \$498,685,520) – 100.0%		804,683,091
Cash, Receivables and Other Assets, net of Liabilities - 0%		336,746
Net Assets – 100%		\$805,019,837

#### Summary of Investments by Country - (Long Positions) (unaudited)

		% of
Country	Value	Investment Securities
United States	\$589,241,365	73.2 %
United Kingdom	36,820,207	4.6
France	34,036,510	4.2
Canada	31,664,242	3.9
Netherlands	27,098,637	3.4
Sweden	22,792,055	2.8
Switzerland	9,500,853	1.2
Denmark	9,405,819	1.2
Italy	9,375,001	1.2
Taiwan	9,140,916	1.1
Germany	8,039,076	1.0
India	5,229,910	0.7
Ireland	4,252,450	0.5
Hong Kong	4,148,434	0.5
Belgium	2,162,364	0.3
Japan	1,775,252	0.2
Total	\$804,683,091	100.0 %

#### Schedules of Affiliated Investments – (% of Net Assets)

	Dividend Realized Income Gain/(Loss)		Change in Unrealized Appreciation/ Depreciation	Value at 12/31/23	
Investment Companies - 0.1% Money Markets - 0.1%					
Janus Henderson Cash Liquidity Fund LLC, 5.3879‰	\$	35,383	\$ (36)	\$ -	\$ 794,382
Investments Purchased with Cash Collateral from Investment Companies - N/A	om Securitie	es Lending - N/A			
Janus Henderson Cash Collateral Fund LLC, 5.2936%°		4,226△	-	-	<u> </u>
Total Affiliated Investments - 0.1%	\$	39,609	\$ (36)	\$ -	\$ 794,382

	Value at 12/31/22	Purchases	Sales Proceeds	Value at 12/31/23
Investment Companies - 0.1% Money Markets - 0.1%				
Janus Henderson Cash Liquidity Fund LLC, 5.3879% <sup>∞</sup>	558,126	39,406,337	(39,170,045)	794,382
Investments Purchased with Cash Collateral from S Investment Companies - N/A	Securities Lending - N/A			
Janus Henderson Cash Collateral Fund LLC, 5.2936% <sup>∞</sup>	_	26,527,322	(26,527,322)	<u> </u>

#### Notes to Schedule of Investments and Other Information

MSCI All Country World Index<sup>SM</sup> MSCI All Country World Index<sup>SM</sup> reflects the equity market performance of global developed and emerging

MSCI World Index $^{SM}$  reflects the equity market performance of global developed markets. MSCI World Index<sup>SM</sup>

**ADR** American Depositary Receipt LLC Limited Liability Company PLC Public Limited Company

- 144A Securities sold under Rule 144A of the Securities Act of 1933, as amended, are subject to legal and/or contractual restrictions on resale and may not be publicly sold without registration under the 1933 Act. Unless otherwise noted, these securities have been determined to be liquid under guidelines established by the Board of Trustees. The total value of 144A securities as of the year ended December 31, 2023 is \$5,922,121, which represents 0.7% of net assets.
- Non-income producing security.
- 00 Rate shown is the 7-day yield as of December 31, 2023.
- ¢ Security is valued using significant unobservable inputs. The total value of Level 3 securities as of the year ended December 31, 2023 is \$187,965, which represents 0.0% of net assets.
- The Portfolio may invest in certain securities that are considered affiliated companies. As defined by the Investment Company Act of 1940, £ as amended, an affiliated company is one in which the Portfolio owns 5% or more of the outstanding voting securities, or a company which is under common ownership or control.
- Net of income paid to the securities lending agent and rebates paid to the borrowing counterparties. Δ
- § Schedule of Restricted Securities (as of December 31, 2023)

				value as a
	Acquisition			% of Net
	Date	Cost	Value	Assets
API Holdings Private Ltd	9/27/21	\$ 2,347,416	\$ 187,965	0.0%

The Portfolio has registration rights for certain restricted securities held as of December 31, 2023. The issuer incurs all registration costs.

The following is a summary of the inputs that were used to value the Portfolio's investments in securities and other financial instruments as of December 31, 2023. See Notes to Financial Statements for more information.

#### **Valuation Inputs Summary**

	Level 1 - Quoted Prices	Level 2 - Other Significant Observable Inputs	Level 3 - Significant Unobservable Inputs
Assets			
Investments In Securities:			
Common Stocks	\$ 797,778,623	\$ -	\$ -
Preferred Stocks	5,922,121	-	-
Private Placements	-	-	187,965
Warrants	-	-	0
Investment Companies	-	794,382	-
Total Assets	\$ 803,700,744	\$ 794,382	\$ 187,965

Value as a

## **Janus Henderson VIT Global Research Portfolio Statement of Assets and Liabilities December 31, 2023**

Assets:		
Unaffiliated investments, at value (cost \$497,891,138)	\$	803,888,709
Affiliated investments, at value (cost \$794,382)	•	794,382
Trustees' deferred compensation		22,088
Receivables:		,
Investments sold		1,332,925
Foreign tax reclaims		441,612
Dividends		375,720
Portfolio shares sold		140,277
Dividends from affiliates		1,437
Other assets		50,619
Total Assets		807,047,769
Liabilities:		
Payables:		
Investments purchased		1,213,629
Advisory fees		374,233
Portfolio shares repurchased		233,157
12b-1 Distribution and shareholder servicing fees		49,704
Professional fees		49,560
Transfer agent fees and expenses		36,124
Trustees' deferred compensation fees		22,088
Custodian fees		6,878
Affiliated portfolio administration fees payable		1,730
Trustees' fees and expenses		680
Accrued expenses and other payables		40,149
Total Liabilities		2,027,932
Net Assets	\$	805,019,837
Net Assets Consist of:		
Capital (par value and paid-in surplus)	\$	469,682,272
Total distributable earnings (loss)		335,337,565
Total Net Assets	\$	805,019,837
Net Assets - Institutional Shares	\$	573,845,534
Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)		9,391,488
Net Asset Value Per Share	\$	61.10
Net Assets - Service Shares	\$	231,174,303
Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)		3,917,223
Net Asset Value Per Share	\$	59.01

# Statement of Operations For the year ended December 31, 2023

Investment Income:	
Dividends	\$ 11,978,915
Dividends from affiliates	35,383
Affiliated securities lending income, net	4,226
Unaffiliated securities lending income, net	723
Other income	2,702
Foreign tax withheld	(576,409)
Total Investment Income	11,445,540
Expenses:	
Advisory fees	3,830,430
12b-1 Distribution and shareholder servicing fees:	
Service Shares	533,155
Transfer agent administrative fees and expenses:	
Institutional Shares	262,241
Service Shares	106,624
Other transfer agent fees and expenses:	
Institutional Shares	10,771
Service Shares	2,986
Professional fees	76,347
Custodian fees	37,813
Shareholder reports expense	37,351
Affiliated portfolio administration fees	23,587
Registration fees	18,064
Trustees' fees and expenses	16,926
Other expenses	88,660
Total Expenses	5,044,955
Net Investment Income/(Loss)	6,400,585
Net Realized Gain/(Loss) on Investments:	
Investments and foreign currency transactions	29,246,225
Investments in affiliates	(36)
Total Net Realized Gain/(Loss) on Investments	29,246,189
Change in Unrealized Net Appreciation/Depreciation:	
Investments, foreign currency translations and Trustees' deferred compensation (net of decrease in deferred foreign taxes	
of \$1,818)	139,443,372
Total Change in Unrealized Net Appreciation/Depreciation	139,443,372
Net Increase/(Decrease) in Net Assets Resulting from Operations	\$ 175,090,146

## **Janus Henderson VIT Global Research Portfolio Statements of Changes in Net Assets**

	Year ended December 31, 2023	Year ended December 31, 2022
Operations:		, , ,
Net investment income/(loss)	\$ 6,400,585	\$ 6,731,428
Net realized gain/(loss) on investments	29,246,189	20,100,321
Change in unrealized net appreciation/depreciation	139,443,372	(202,069,524)
Net Increase/(Decrease) in Net Assets Resulting from Operations	175,090,146	(175,237,775)
Dividends and Distributions to Shareholders:		
Institutional Shares	(19,669,882)	(63,786,707)
Service Shares	(7,852,295)	(26,449,252)
Net Decrease from Dividends and Distributions to Shareholders	(27,522,177)	(90,235,959)
Capital Share Transactions:		
Institutional Shares	(13,530,466)	16,928,478
Service Shares	(10,719,436)	17,471,980
Net Increase/(Decrease) from Capital Share Transactions	(24,249,902)	34,400,458
Net Increase/(Decrease) in Net Assets	123,318,067	(231,073,276)
Net Assets:		
Beginning of period	681,701,770	912,775,046
End of period	\$ 805,019,837	\$ 681,701,770

## **Janus Henderson VIT Global Research Portfolio Financial Highlights**

#### Institutional Shares

For a share outstanding during the year ended December 31	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$50.02	\$71.28	\$63.62	\$56.59	\$47.13
Income/(Loss) from Investment Operations:					
Net investment income/(loss)(1)	0.52	0.53	0.39	0.39	0.60
Net realized and unrealized gain/(loss)	12.67	(14.52)	10.90	10.04	12.67
Total from Investment Operations	13.19	(13.99)	11.29	10.43	13.27
Less Dividends and Distributions:					
Dividends (from net investment income)	(0.52)	(0.60)	(0.36)	(0.41)	(0.54)
Distributions (from capital gains)	(1.59)	(6.67)	(3.27)	(2.99)	(3.27)
Total Dividends and Distributions	(2.11)	(7.27)	(3.63)	(3.40)	(3.81)
Net Asset Value, End of Period	\$61.10	\$50.02	\$71.28	\$63.62	\$56.59
Total Return*	26.78%	(19.41)%	18.09%	20.06%	29.04%
Net Assets, End of Period (in thousands)	\$573,846	\$482,188	\$653,853	\$600,868	\$539,915
Average Net Assets for the Period (in thousands)	\$525,567	\$529,234	\$636,425	\$516,468	\$511,859
Ratios to Average Net Assets**:					
Ratio of Gross Expenses	0.61%	0.64%	0.77%	0.84%	0.79%
Ratio of Net Expenses (After Waivers and Expense Offsets)	0.61%	0.64%	0.77%	0.84%	0.79%
Ratio of Net Investment Income/(Loss)	0.94%	0.98%	0.57%	0.72%	1.13%
Portfolio Turnover Rate	25%	32%	20%	33%	36%

See Notes to Financial Statements.

Total return includes adjustments in accordance with generally accepted accounting principles required at the year or period end and are not annualized for periods of less than one full year. Total return does not include fees, charges, or expenses imposed by the variable annuity and life insurance contracts for which Janus Aspen Series serves as an underlying investment vehicle.

Annualized for periods of less than one full year.

<sup>(1)</sup> Per share amounts are calculated based on average shares outstanding during the year or period.

## **Janus Henderson VIT Global Research Portfolio** Financial Highlights

#### Service Shares

For a share outstanding during the year ended December 31	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$48.41	\$69.31	\$62.00	\$55.27	\$46.15
Income/(Loss) from Investment Operations:					
Net investment income/(loss) <sup>(1)</sup>	0.37	0.38	0.21	0.25	0.45
Net realized and unrealized gain/(loss)	12.24	(14.11)	10.62	9.77	12.39
Total from Investment Operations	12.61	(13.73)	10.83	10.02	12.84
Less Dividends and Distributions:					
Dividends (from net investment income)	(0.42)	(0.50)	(0.25)	(0.30)	(0.45)
Distributions (from capital gains)	(1.59)	(6.67)	(3.27)	(2.99)	(3.27)
Total Dividends and Distributions	(2.01)	(7.17)	(3.52)	(3.29)	(3.72)
Net Asset Value, End of Period	\$59.01	\$48.41	\$69.31	\$62.00	\$55.27
Total Return*	26.45%	(19.61)%	17.80%	19.76%	28.71%
Net Assets, End of Period (in thousands)	\$231,174	\$199,513	\$258,922	\$235,787	\$214,425
Average Net Assets for the Period (in thousands)	\$213,713	\$215,111	\$248,792	\$206,127	\$198,883
Ratios to Average Net Assets**:					
Ratio of Gross Expenses	0.86%	0.89%	1.02%	1.09%	1.04%
Ratio of Net Expenses (After Waivers and Expense Offsets)	0.86%	0.89%	1.02%	1.09%	1.04%
Ratio of Net Investment Income/(Loss)	0.69%	0.73%	0.32%	0.47%	0.88%
Portfolio Turnover Rate	25%	32%	20%	33%	36%

See Notes to Financial Statements.

<sup>\*</sup> Total return includes adjustments in accordance with generally accepted accounting principles required at the year or period end and are not annualized for periods of less than one full year. Total return does not include fees, charges, or expenses imposed by the variable annuity and life insurance contracts for which Janus Aspen Series serves as an underlying investment vehicle.

<sup>\*\*</sup> Annualized for periods of less than one full year.

<sup>(1)</sup> Per share amounts are calculated based on average shares outstanding during the year or period.

#### 1. Organization and Significant Accounting Policies

Janus Henderson VIT Global Research Portfolio (the "Portfolio") is a series of Janus Aspen Series (the "Trust"), which is organized as a Delaware statutory trust and is registered under the Investment Company Act of 1940, as amended (the "1940 Act"), as an open-end management investment company, and therefore has applied the specialized accounting and reporting guidance in Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") Topic 946. The Trust offers 10 portfolios, each of which offers multiple share classes, with differing investment objectives and policies. The Portfolio seeks long-term growth of capital. The Portfolio is classified as diversified, as defined in the 1940 Act. Janus Henderson Investors US LLC is the investment adviser (the "Adviser") to the Portfolio.

The Portfolio currently offers two classes of shares: Institutional Shares and Service Shares. Each class represents an interest in the same portfolio of investments. Institutional Shares are offered only in connection with investment in and payments under variable insurance contracts as well as certain qualified retirement plans. Service Shares are offered only in connection with investment in and payments under variable insurance contracts as well as certain qualified retirement plans that require a fee from Portfolio assets to procure distribution and administrative services to contract owners and plan participants.

Shareholders, including participating insurance companies, as well as accounts, may from time to time own (beneficially or of record) a significant percentage of the Portfolio's Shares and can be considered to "control" the Portfolio when that ownership exceeds 25% of the Portfolio's assets (and which may differ from control as determined in accordance with United States of America generally accepted accounting principles ("US GAAP")).

The following accounting policies have been followed by the Portfolio and are in conformity with US GAAP.

#### **Investment Valuation**

Portfolio holdings are valued in accordance with policies and procedures established by the Adviser pursuant to Rule 2a-5 under the 1940 Act and approved by and subject to the oversight of the Trustees (the "Valuation Procedures"). Equity securities traded on a domestic securities exchange are generally valued at readily available market quotations, which are (i) the official close prices or (ii) last sale prices on the primary market or exchange in which the securities trade. If such price is lacking for the trading period immediately preceding the time of determination, such securities are generally valued at their current bid price. Equity securities that are traded on a foreign exchange are generally valued at the closing prices on such markets. In the event that there is no current trading volume on a particular security in such foreign exchange, the bid price from the primary exchange is generally used to value the security. Foreign securities and currencies are converted to U.S. dollars using the current spot USD dollar exchange rate in effect at the close of the New York Stock Exchange ("NYSE"). The Adviser will determine the market value of individual securities held by it by using prices provided by one or more Adviser-approved professional pricing services or, as needed, by obtaining market quotations from independent broker-dealers. Most debt securities are valued in accordance with the evaluated bid price supplied by the pricing service that is intended to reflect market value. The evaluated bid price supplied by the pricing service is an evaluation that may consider factors such as security prices, yields, maturities and ratings. Certain short-term securities maturing within 60 days or less may be evaluated and valued on an amortized cost basis provided that the amortized cost determined approximates market value. Securities for which market quotations or evaluated prices are not readily available or deemed unreliable are valued at fair value determined in good faith by the Adviser pursuant to the Valuation Procedures. Circumstances in which fair valuation may be utilized include, but are not limited to: (i) a significant event that may affect the securities of a single issuer, such as a merger, bankruptcy, or significant issuer-specific development; (ii) an event that may affect an entire market, such as a natural disaster or significant governmental action; (iii) a nonsignificant event such as a market closing early or not opening, or a security trading halt; and (iv) pricing of a nonvalued security and a restricted or nonpublic security. Special valuation considerations may apply with respect to "odd-lot" fixed-income transactions which, due to their small size, may receive evaluated prices by pricing services which reflect a large block trade and not what actually could be obtained for the odd-lot position. The value of the securities of other mutual funds held by the Portfolio, if any, will be calculated using the NAV of such mutual funds, and the prospectuses for such mutual funds explain the circumstances under which they use fair valuation and the effects of using fair valuation. The value of the securities of any cash management pooled investment vehicles that operate as money market funds held by the Portfolio, if any, will be calculated using the NAV of such funds.

#### Valuation Inputs Summary

FASB ASC 820, Fair Value Measurements and Disclosures ("ASC 820"), defines fair value, establishes a framework for measuring fair value, and expands disclosure requirements regarding fair value measurements. This standard emphasizes that fair value is a market-based measurement that should be determined based on the assumptions that market participants would use in pricing an asset or liability and establishes a hierarchy that prioritizes inputs to valuation techniques used to measure fair value. These inputs are summarized into three broad levels:

Level 1 – Unadjusted quoted prices in active markets the Portfolio has the ability to access for identical assets or liabilities.

Level 2 – Observable inputs other than unadjusted quoted prices included in Level 1 that are observable for the asset or liability either directly or indirectly. These inputs may include quoted prices for the identical instrument on an inactive market, prices for similar instruments, interest rates, prepayment speeds, credit risk, yield curves, default rates and similar data.

Assets or liabilities categorized as Level 2 in the hierarchy generally include: debt securities fair valued in accordance with the evaluated bid or ask prices supplied by a pricing service; securities traded on OTC markets and listed securities for which no sales are reported that are fair valued at the latest bid price (or yield equivalent thereof) obtained from one or more dealers transacting in a market for such securities or by a pricing service approved by the Portfolio's Trustees; certain short-term debt securities with maturities of 60 days or less that are fair valued at amortized cost; and equity securities of foreign issuers whose fair value is determined by using systematic fair valuation models provided by independent third parties in order to adjust for stale pricing which may occur between the close of certain foreign exchanges and the close of the NYSE. Other securities that may be categorized as Level 2 in the hierarchy include, but are not limited to, preferred stocks, bank loans, swaps, investments in unregistered investment companies, options, and forward contracts.

Level 3 – Unobservable inputs for the asset or liability to the extent that relevant observable inputs are not available, representing the Portfolio's own assumptions about the assumptions that a market participant would use in valuing the asset or liability, and that would be based on the best information available.

There have been no significant changes in valuation techniques used in valuing any such positions held by the Portfolio since the beginning of the fiscal year.

The inputs or methodology used for fair valuing securities are not necessarily an indication of the risk associated with investing in those securities. The summary of inputs used as of December 31, 2023 to fair value the Portfolio's investments in securities and other financial instruments is included in the "Valuation Inputs Summary" in the Notes to Schedule of Investments and Other Information.

The Portfolio did not hold a significant amount of Level 3 securities as of December 31, 2023.

#### **Investment Transactions and Investment Income**

Investment transactions are accounted for as of the date purchased or sold (trade date). Dividend income is recorded on the ex-dividend date. Certain dividends from foreign securities will be recorded as soon as the Portfolio is informed of the dividend, if such information is obtained subsequent to the ex-dividend date. Dividends from foreign securities may be subject to withholding taxes in foreign jurisdictions. Non-cash dividends, if any, are recorded on the ex-dividend date at fair value. Interest income is recorded daily on the accrual basis and includes amortization of premiums and accretion of discounts. The Portfolio classifies gains and losses on prepayments received as an adjustment to interest income. Debt securities may be placed in non-accrual status and related interest income may be reduced by stopping current accruals and writing off interest receivables when collection of all or a portion of interest has become doubtful. Gains and losses are determined on the identified cost basis, which is the same basis used for federal income tax purposes. Income, as well as gains and losses, both realized and unrealized, are allocated daily to each class of shares based upon the ratio of net assets represented by each class as a percentage of total net assets.

#### **Expenses**

The Portfolio bears expenses incurred specifically on its behalf. Each class of shares bears a portion of general expenses, which are allocated daily to each class of shares based upon the ratio of net assets represented by each class as a percentage of total net assets. Expenses directly attributable to a specific class of shares are charged against the operations of such class.

#### **Notes to Financial Statements**

#### **Estimates**

The preparation of financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amount of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of income and expenses during the reporting period. Actual results could differ from those estimates.

#### Indemnifications

In the normal course of business, the Portfolio may enter into contracts that contain provisions for indemnification of other parties against certain potential liabilities. The Portfolio's maximum exposure under these arrangements is unknown, and would involve future claims that may be made against the Portfolio that have not yet occurred. Currently, the risk of material loss from such claims is considered remote.

#### **Foreign Currency Translations**

The Portfolio does not isolate that portion of the results of operations resulting from the effect of changes in foreign exchange rates on investments from the fluctuations arising from changes in market prices of securities held at the date of the financial statements. Net unrealized appreciation or depreciation of investments and foreign currency translations arise from changes in the value of assets and liabilities, including investments in securities held at the date of the financial statements, resulting from changes in the exchange rates and changes in market prices of securities held.

Currency gains and losses are also calculated on payables and receivables that are denominated in foreign currencies. The payables and receivables are generally related to foreign security transactions and income translations.

Foreign currency-denominated assets and forward currency contracts may involve more risks than domestic transactions, including currency risk, counterparty risk, political and economic risk, regulatory risk and equity risk. Risks may arise from unanticipated movements in the value of foreign currencies relative to the U.S. dollar.

#### **Dividends and Distributions**

The Portfolio may make semiannual distributions of substantially all of its investment income and an annual distribution of its net realized capital gains (if any).

The Portfolio may make certain investments in real estate investment trusts ("REITs") which pay dividends to their shareholders based upon funds available from operations. It is quite common for these dividends to exceed the REITs' taxable earnings and profits, resulting in the excess portion of such dividends being designated as a return of capital. If the Portfolio distributes such amounts, such distributions could constitute a return of capital to shareholders for federal income tax purposes.

#### **Federal Income Taxes**

The Portfolio intends to continue to qualify as a regulated investment company and distribute all of its taxable income in accordance with the requirements of Subchapter M of the Internal Revenue Code. Management has analyzed the Portfolio's tax positions taken for all open federal income tax years, generally a three-year period, and has concluded that no provision for federal income tax is required in the Portfolio's financial statements. The Portfolio is not aware of any tax positions for which it is reasonably possible that the total amounts of unrecognized tax benefits will significantly change in the next twelve months.

#### 2. Other Investments and Strategies

#### Market Risk

The value of the Portfolio's portfolio may decrease if the value of one or more issuers in the Portfolio's portfolio decreases. Further, regardless of how well individual companies or securities perform, the value of the Portfolio's portfolio could also decrease if there are deteriorating economic or market conditions, including, but not limited to, a general decline in prices on the stock markets, a general decline in real estate markets, a decline in commodities prices, or if the market favors different types of securities than the types of securities in which the Portfolio invests. If the value of the Portfolio's portfolio decreases, the Portfolio's NAV will also decrease, which means if you sell your shares in the Portfolio you may lose money. Market risk may affect a single issuer, industry, economic sector, or the market as a whole. The increasing interconnectivity between global economies and financial markets increases the likelihood that events or conditions in one region or financial market may adversely impact issuers in a different country, region or financial market. Social, political, economic and other conditions and events, such as natural disasters, health emergencies (e.g., epidemics and pandemics), terrorism, war, conflicts, including related sanctions, social unrest,

financial institution failures, and economic recessions could reduce consumer demand or economic output, result in market closures, travel restrictions and/or quarantines, and generally have a significant impact on the global economies and financial markets.

- COVID-19 Pandemic. The effects of COVID-19 have contributed to increased volatility in global financial markets and have affected and may continue to affect certain countries, regions, issuers, industries and market sectors more dramatically than others. These conditions and events could have a significant impact on the Portfolio and its investments, the Portfolio's ability to meet redemption requests, and the processes and operations of the Portfolio's service providers, including the Adviser.
- Armed Conflict. Recent such examples include conflict, loss of life, and disaster connected to ongoing armed conflict between Russia and Ukraine in Europe and Hamas and Israel in the Middle East. The extent and duration of each conflict, resulting sanctions and resulting future market disruptions in each region are impossible to predict, but could be significant and have a severe adverse effect, including significant negative impacts on the U.S. and broader global economic environment and the markets for certain securities and commodities.

#### **Restricted Security Transactions**

Restricted securities held by the Portfolio may not be sold except in exempt transactions or in a public offering registered under the Securities Act of 1933, as amended. The risk of investing in such securities is generally greater than the risk of investing in the securities of widely held, publicly traded companies. Lack of a secondary market and resale restrictions may result in the inability of the Portfolio to sell a security at a fair price and may substantially delay the sale of the security. In addition, these securities may exhibit greater price volatility than securities for which secondary markets exist.

#### Counterparties

Portfolio transactions involving a counterparty are subject to the risk that the counterparty or a third party will not fulfill its obligation to the Portfolio ("counterparty risk"). Counterparty risk may arise because of the counterparty's financial condition (i.e., financial difficulties, bankruptcy, or insolvency), market activities and developments, or other reasons, whether foreseen or not. A counterparty's inability to fulfill its obligation may result in significant financial loss to the Portfolio. The Portfolio may be unable to recover its investment from the counterparty or may obtain a limited recovery, and/or recovery may be delayed. The extent of the Portfolio's exposure to counterparty risk with respect to financial assets and liabilities approximates its carrying value.

The Portfolio may be exposed to counterparty risk through participation in various programs, including, but not limited to, lending its securities to third parties, cash sweep arrangements whereby the Portfolio's cash balance is invested in one or more types of cash management vehicles, as well as investments in, but not limited to, repurchase agreements, debt securities, and derivatives, including various types of swaps, futures and options. The Portfolio intends to enter into financial transactions with counterparties that the Adviser believes to be creditworthy at the time of the transaction. There is always the risk that the Adviser's analysis of a counterparty's creditworthiness is incorrect or may change due to market conditions. To the extent that the Portfolio focuses its transactions with a limited number of counterparties, it will have greater exposure to the risks associated with one or more counterparties.

#### **Securities Lending**

Under procedures adopted by the Trustees, the Portfolio may seek to earn additional income by lending securities to certain qualified broker-dealers and institutions. JPMorgan Chase Bank, National Association acts as securities lending agent and a limited purpose custodian or subcustodian to receive and disburse cash balances and cash collateral, hold short-term investments, hold collateral, and perform other custodial functions in accordance with the Non-Custodial Securities Lending Agreement. For financial reporting purposes, the Portfolio does not offset financial instruments' payables and receivables and related collateral on the Statement of Assets and Liabilities. The Portfolio may lend portfolio securities in an amount equal to up to 1/3 of its total assets as determined at the time of the loan origination. There is the risk of delay in recovering a loaned security or the risk of loss in collateral rights if the borrower fails financially. In addition, the Adviser makes efforts to balance the benefits and risks from granting such loans. All loans will be continuously secured by collateral which may consist of cash, U.S. Government securities, domestic and foreign short-term debt instruments, letters of credit, time deposits, repurchase agreements, money market mutual funds or other money market accounts, or such other collateral as permitted by the Securities and Exchange Commission (the "SEC"). If the Portfolio is unable to recover a security on loan, the Portfolio may use the collateral to purchase replacement securities in the market. There is a risk that the value of the collateral could decrease below the cost of the

replacement security by the time the replacement investment is made, resulting in a loss to the Portfolio. In certain circumstances individual loan transactions could yield negative returns.

Upon receipt of cash collateral, the Adviser may invest it in affiliated or non-affiliated cash management vehicles, whether registered or unregistered entities, as permitted by the 1940 Act and rules promulgated thereunder. The Adviser currently intends to primarily invest the cash collateral in a cash management vehicle for which the Adviser serves as investment adviser, Janus Henderson Cash Collateral Fund LLC, or in time deposits. An investment in Janus Henderson Cash Collateral Fund LLC is generally subject to the same risks that shareholders experience when investing in similarly structured vehicles, such as the potential for significant fluctuations in assets as a result of the purchase and redemption activity of the securities lending program, a decline in the value of the collateral, and possible liquidity issues. Such risks may delay the return of the cash collateral and cause the Portfolio to violate its agreement to return the cash collateral to a borrower in a timely manner. As adviser to the Portfolio and Janus Henderson Cash Collateral Fund LLC, the Adviser has an inherent conflict of interest as a result of its fiduciary duties to both the Portfolio and Janus Henderson Cash Collateral Fund LLC. Additionally, the Adviser receives an investment advisory fee of 0.05% for managing Janus Henderson Cash Collateral Fund LLC, but it may not receive a fee for managing certain other affiliated cash management vehicles in which the Portfolio may invest, and therefore may have an incentive to allocate preferred investment opportunities to investment vehicles for which it is receiving a fee.

The value of the collateral must be at least 102% of the market value of the loaned securities that are denominated in U.S. dollars and 105% of the market value of the loaned securities that are not denominated in U.S. dollars. Loaned securities and related collateral are marked-to-market each business day based upon the market value of the loaned securities at the close of business, employing the most recent available pricing information. Collateral levels are then adjusted based on this mark-to-market evaluation. Additional required collateral, or excess collateral returned, is delivered on the next business day. Therefore, the value of the collateral held may be temporarily less than 102% or 105% value of the securities on loan. The cash collateral invested by the Adviser is disclosed in the Schedule of Investments (if applicable).

Income earned from the investment of the cash collateral, net of rebates paid to, or fees paid by, borrowers and less the fees paid to the lending agent are included as "Affiliated securities lending income, net" on the Statement of Operations.

There were no securities on loan as of December 31, 2023.

#### 3. Investment Advisory Agreements and Other Transactions with Affiliates

The Portfolio pays the Adviser an investment advisory fee rate that may adjust up or down based on the Portfolio's performance relative to its benchmark index.

The investment advisory fee rate paid to the Adviser by the Portfolio consists of two components: (1) a base fee calculated by applying the contractual fixed rate of the advisory fee to the Portfolio's average daily net assets during the previous month (the "Base Fee Rate"), plus or minus (2) a performance-fee adjustment (the "Performance Adjustment") calculated by applying a variable rate of up to 0.15% (positive or negative) to the Portfolio's average daily net assets based on the Portfolio's relative performance compared to the cumulative investment record of its benchmark index over a 36-month performance measurement period or shorter time period, as applicable. The investment advisory fee rate is calculated daily and paid monthly.

The investment performance of the Portfolio's Service Shares for the performance measurement period is used to calculate the Performance Adjustment. The Portfolio's Base Fee Rate prior to any performance adjustment (expressed as an annual rate) is 0.60%, and the Portfolio's benchmark index used in the calculation is the MSCI World Index<sup>SM</sup>.

No Performance Adjustment is applied unless the difference between the Portfolio's investment performance and the cumulative investment record of the Portfolio's benchmark index is 0.50% or greater (positive or negative) during the applicable performance measurement period. The Base Fee Rate is subject to an upward or downward Performance Adjustment for every full 0.50% increment by which the Portfolio outperforms or underperforms its benchmark index, up to the Portfolio's full performance rate of ±6.00%. Because the Performance Adjustment is tied to a Portfolio's relative performance compared to its benchmark index (and not its absolute performance), the Performance Adjustment could increase the Adviser's fee even if the Portfolio's Shares lose value during the performance measurement period and could decrease the Adviser's fee even if the Portfolio's Shares increase in value during the performance measurement period. For purposes of computing the Base Fee Rate and the Performance Adjustment, net assets are averaged over different periods (average daily net assets during the previous month for the Base Fee Rate, versus

average daily net assets during the performance measurement period for the Performance Adjustment). Performance of the Portfolio is calculated net of expenses whereas the Portfolio's benchmark index does not have any fees or expenses. Reinvestment of dividends and distributions is included in calculating both the performance of a Portfolio and the Portfolio's benchmark index.

The Portfolio's prospectuses and statement(s) of additional information contain additional information about performance-based fees. The amount shown as advisory fees on the Statement of Operations reflects the Base Fee Rate plus/minus any Performance Adjustment. For the year ended December 31, 2023, the performance adjusted investment advisory fee rate before any waivers and/or reimbursements of expenses is 0.52%.

The Adviser serves as administrator to the Portfolio pursuant to an administration agreement between the Adviser and the Trust. Under the administration agreement, the Adviser is authorized to perform, or cause others to perform certain administration, compliance, and accounting services to the Portfolio, including providing office space for the Portfolio, and is reimbursed by the Portfolio for certain of its costs in providing these services (to the extent the Adviser seeks reimbursement and such costs are not otherwise waived). In addition, employees of the Adviser and/or its affiliates may serve as officers of the Trust. The Portfolio pays for some or all of the salaries, fees, and expenses of the Adviser employees and Portfolio officers, with respect to certain specified administration functions they perform on behalf of the Portfolio. The Portfolio pays these costs based on out-of-pocket expenses incurred by the Adviser, and these costs are separate and apart from advisory fees and other expenses paid in connection with the investment advisory services the Adviser (or any subadvisor, as applicable) provides to the Portfolio. These amounts are disclosed as "Affiliated portfolio administration fees" on the Statement of Operations. In addition, some expenses related to compensation payable to the Portfolio's Chief Compliance Officer and certain compliance staff, all of whom are employees of the Adviser and/or its affiliates, are shared with the Portfolio. Total compensation of \$31,482 was paid to the Chief Compliance Officer and certain compliance staff by the Trust during the year ended December 31, 2023. The Portfolio's portion is reported as part of "Other expenses" on the Statement of Operations.

Janus Henderson Services US LLC (the "Transfer Agent"), a wholly-owned subsidiary of the Adviser, is the Portfolio's transfer agent. The Transfer Agent receives an administrative services fee at an annual rate of 0.05% of the average daily net assets of the Portfolio for arranging for the provision by participating insurance companies and qualified plan service providers of administrative services, including, but not limited to, recordkeeping, subaccounting, answering inquiries regarding accounts, order processing, transaction confirmations, the mailing of prospectuses and shareholder reports, and other shareholder services provided on behalf of contract holders or plan participants investing in the Portfolio. The Transfer Agent expects to use this entire fee to compensate insurance companies and qualified plan service providers for providing these services to their customers who invest in the Portfolio.

The Transfer Agent is not compensated for internal services related to the shares, except for out-of-pocket costs. These amounts are disclosed as "Other transfer agent fees and expenses" on the Statement of Operations.

Under a distribution and shareholder servicing plan (the "Plan") adopted in accordance with Rule 12b-1 under the 1940 Act, the Service Shares may pay the Trust's distributor, Janus Henderson Distributors US LLC (the "Distributor"), a wholly-owned subsidiary of the Adviser, a fee for the sale and distribution and/or shareholder servicing of the Service Shares at an annual rate of up to 0.25% of the average daily net assets of the Service Shares. Under the terms of the Plan, the Trust is authorized to make payments to the Distributor for remittance to insurance companies and qualified plan service providers as compensation for distribution and/or shareholder services performed by such entities. These amounts are disclosed as "12b-1 Distribution and shareholder servicing fees" on the Statement of Operations.

The Board of Trustees has adopted a deferred compensation plan (the "Deferred Plan") for independent Trustees to elect to defer receipt of all or a portion of the annual compensation they are entitled to receive from the Portfolio. All deferred fees are credited to an account established in the name of the Trustees. The amounts credited to the account then increase or decrease, as the case may be, in accordance with the performance of one or more of the Janus Henderson funds that are selected by the Trustees. The account balance continues to fluctuate in accordance with the performance of the selected fund or funds until final payment of all amounts are credited to the account. The fluctuation of the account balance is recorded by the Portfolio as unrealized appreciation/(depreciation) and is included as of December 31, 2023 on the Statement of Assets and Liabilities in the asset, "Trustees' deferred compensation," and liability, "Trustees' deferred compensation fees." Additionally, the recorded unrealized appreciation/(depreciation) is included in "Total distributable earnings (loss)" on the Statement of Assets and Liabilities. Deferred compensation expenses for the year ended December 31, 2023 are included in "Trustees' fees and expenses" on the Statement of

Operations. Trustees are allowed to change their designation of mutual funds from time to time. Amounts will be deferred until distributed in accordance with the Deferred Plan. Deferred fees of \$416,000 were paid by the Trust to the Trustees under the Deferred Plan during the year ended December 31, 2023.

Pursuant to the provisions of the 1940 Act and related rules, the Portfolio may participate in an affiliated or nonaffiliated cash sweep program. In the cash sweep program, uninvested cash balances of the Portfolio may be used to purchase shares of affiliated or non-affiliated money market funds or cash management pooled investment vehicles that operate as money market funds. The Portfolio is eligible to participate in the cash sweep program (the "Investing Funds"). The Adviser has an inherent conflict of interest because of its fiduciary duties to the affiliated money market funds or cash management pooled investment vehicles and the Investing Funds. Janus Henderson Cash Liquidity Fund LLC (the "Sweep Vehicle") is an affiliated unregistered cash management pooled investment vehicle that invests primarily in highly-rated short-term fixed-income securities. The Sweep Vehicle operates pursuant to the provisions of the 1940 Act that govern the operation of money market funds and prices its shares at NAV reflecting market-based values of its portfolio securities (i.e., a "floating" NAV) rounded to the fourth decimal place (e.g., \$1.0000). The Sweep Vehicle is permitted to impose a liquidity fee (of up to 2%) on redemptions from the Sweep Vehicle or a redemption gate that temporarily suspends redemptions from the Sweep Vehicle for up to 10 business days during a 90 day period. There are no restrictions on the Portfolio's ability to withdraw investments from the Sweep Vehicle at will, and there are no unfunded capital commitments due from the Portfolio to the Sweep Vehicle. The Sweep Vehicle does not charge any management fee, sales charge or service fee.

Any purchases and sales, realized gains/losses and recorded dividends from affiliated investments during the year ended December 31, 2023 can be found in the "Schedules of Affiliated Investments" located in the Schedule of Investments.

The Portfolio is permitted to purchase or sell securities ("cross-trade") between itself and other funds or accounts managed by the Adviser in accordance with Rule 17a-7 under the Investment Company Act of 1940 ("Rule 17a-7"). when the transaction is consistent with the investment objectives and policies of the Portfolio and in accordance with the Internal Cross Trade Procedures adopted by the Trust's Board of Trustees. These procedures have been designed to ensure that any cross-trade of securities by the Portfolio from or to another fund or account that is or could be considered an affiliate of the Portfolio under certain limited circumstances by virtue of having a common investment adviser, common Officer, or common Trustee complies with Rule 17a-7. Under these procedures, each cross-trade is effected at the current market price to save costs where allowed. During the year ended December 31, 2023, the Portfolio engaged in cross trades amounting to \$31,220 in sales, resulting in a net realized loss of \$4,221. The net realized loss is included within the "Net Realized Gain/(Loss) on Investments" section of the Portfolio's Statement of Operations.

#### 4. Federal Income Tax

The tax components of capital shown in the table below represent: (1) distribution requirements the Portfolio must satisfy under the income tax regulations; (2) losses or deductions the Portfolio may be able to offset against income and gains realized in future years; and (3) unrealized appreciation or depreciation of investments for federal income tax purposes.

Other book to tax differences primarily consist of deferred compensation and foreign currency contract adjustments. The Portfolio has elected to treat gains and losses on forward foreign currency contracts as capital gains and losses, if applicable. Other foreign currency gains and losses on debt instruments are treated as ordinary income for federal income tax purposes pursuant to Section 988 of the Internal Revenue Code.

Net Tax	Other Book					
Appreciation/	to Tax		Accumulated	Undistributed	Undistributed	
(Depreciation)	Differences	Loss Deferrals	Capital Losses	Long-Term Gains	rdinary Income	O
\$ 305,059,296	\$ 5,480	\$ -	- ;	\$ 28,882,253 \$	1,390,536	\$

The aggregate cost of investments and the composition of unrealized appreciation and depreciation of investment securities for federal income tax purposes as of December 31, 2023 are noted below. The primary differences between book and tax appreciation or depreciation of investments are wash sale loss deferrals, investments in partnerships, and investments in passive foreign investment companies.

	Unrealized	Unrealized	Net 7	ax Appreciation/
Federal Tax Cost	Appreciation	(Depreciation)		(Depreciation)
\$ 499,623,795	\$ 312,214,685	\$ (7,155,389)	\$	305,059,296

Income and capital gains distributions are determined in accordance with income tax regulations that may differ from US GAAP. These differences are due to differing treatments for items such as net short-term gains, deferral of wash sale losses, foreign currency transactions, and capital loss carryovers. Certain permanent differences such as tax returns of capital and net investment losses noted below have been reclassified to capital.

For the year ended December 31, 2023

	Distributions						
Fron	From Ordinary Income		From Long-Term Capital Gains		eturn of Capital	Net Investment L	
\$	6,531,964	\$	20,990,213	\$	-	\$	-
For the j	year ended Decembe	er 31, 20	022				
			Distributions				
From Ordinary Income		From	Long-Term Capital Gains	Tax Re	eturn of Capital	Net Investmer	nt Loss
\$	11,701,203	\$	78,534,756	\$	-	\$	

Permanent book to tax basis differences may result in reclassifications between the components of net assets. These differences have no impact on the results of operations or net assets.

#### 5. Capital Share Transactions

	Year ended December 31, 2023		Year ended December 31, 2022	
	Shares	Amount	Shares	Amount
Institutional Shares:				
Shares sold	353,190	\$ 19,679,517	161,352	\$ 9,671,194
Reinvested dividends and distributions	351,048	19,669,882	1,295,052	63,786,707
Shares repurchased	(951,802)	(52,879,865)	(989,945)	(56,529,423)
Net Increase/(Decrease)	(247,564)	\$ (13,530,466)	466,459	\$ 16,928,478
Service Shares:				
Shares sold	158,290	\$ 8,538,316	263,433	\$ 14,579,709
Reinvested dividends and distributions	145,245	7,852,295	554,610	26,449,252
Shares repurchased	(507,574)	(27,110,047)	(432,505)	(23,556,981)
Net Increase/(Decrease)	(204,039)	\$ (10,719,436)	385,538	\$ 17,471,980

#### 6. Purchases and Sales of Investment Securities

For the year ended December 31, 2023, the aggregate cost of purchases and proceeds from sales of investment securities (excluding any short-term securities, short-term options contracts, TBAs, and in-kind transactions, as applicable) was as follows:

		Purcha	ases of Long-	Proceed	ls from Sales
Purchases of	Proceeds from Sales	Term U.S.	Government	of Loi	ng-Term U.S.
Securities	of Securities		Obligations	Governmen	t Obligations
\$183,896,481	\$ 229,381,643	\$	-	\$	_

#### 7. Subsequent Event

Management has evaluated whether any events or transactions occurred subsequent to December 31, 2023 and through the date of issuance of the Portfolio's financial statements and determined that there were no material events or transactions that would require recognition or disclosure in the Portfolio's financial statements.

## Janus Henderson VIT Global Research Portfolio Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Janus Aspen Series and Shareholders of Janus Henderson VIT Global Research Portfolio

#### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Janus Henderson VIT Global Research Portfolio (one of the portfolios constituting Janus Aspen Series, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

#### **Basis for Opinion**

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent, and broker; when replies were not received from the broker, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

Pricewaterhouse Coopers LLP

Denver, Colorado February 15, 2024

We have served as the auditor of one or more investment companies in Janus Henderson Funds since 1990.

#### Additional Information (unaudited)

#### **Proxy Voting Policies and Voting Record**

A description of the policies and procedures that the Portfolio uses to determine how to vote proxies relating to its portfolio securities is available without charge: (i) upon request, by calling 1-800-525-1093; (ii) on the Portfolio's website at janushenderson.com/proxyvoting; and (iii) on the SEC's website at http://www.sec.gov. Additionally, information regarding the Portfolio's proxy voting record for the most recent twelve-month period ended June 30 is also available, free of charge, through janushenderson.com/proxyvoting and from the SEC's website at http://www.sec.gov.

#### **Full Holdings**

The Portfolio files its complete portfolio holdings (schedule of investments) with the SEC as an exhibit to Form N-PORT within 60 days of the end of the first and third fiscal quarters, and in the annual report and semiannual report to shareholders. The Portfolio's Form N-PORT filings and annual and semiannual reports: (i) are available on the SEC's website at http://www.sec.gov; and (ii) are available without charge, upon request, by calling a Janus Henderson representative at 1-877-335-2687 (toll free). Portfolio holdings consisting of at least the names of the holdings are generally available on a monthly basis with a 30-day lag under Full Holdings for the Portfolio at janushenderson.com/vit.

#### APPROVAL OF ADVISORY AGREEMENTS DURING THE PERIOD

The Trustees of Janus Aspen Series and Janus Investment Fund, each of whom serves as an "independent" Trustee (collectively, the "Trustees"), oversee the management of each portfolio of Janus Aspen Series (each, a "VIT Portfolio," and collectively, the "VIT Portfolios"), as well as each fund of Janus Investment Fund (each, a "Fund," and collectively, the "Funds" and together with the VIT Portfolios, the "Janus Henderson Funds," and each, a "Janus Henderson Fund"). As required by law, the Trustees determine annually whether to continue the investment advisory agreement for each Janus Henderson Fund.

In connection with their most recent consideration of those agreements for each Janus Henderson Fund, the Trustees received and reviewed information provided by Janus Henderson Investors US LLC (the "Adviser") in response to requests of the Trustees and their independent legal counsel. They also received and reviewed information and analysis provided by, and in response to requests of, their independent fee consultant. Throughout their consideration of the agreements, the Trustees were advised by their independent legal counsel. The Trustees met with management to consider the agreements, and also met separately in executive session with their independent legal counsel and their independent fee consultant.

At meetings held on November 3, 2023 and December 14-15, 2023, the Trustees evaluated the information provided by the Adviser and the independent fee consultant, as well as other information provided by the Adviser and the independent fee consultant during the year. Following such evaluation, the Trustees determined that the overall arrangements between each Janus Henderson Fund and the Adviser were fair and reasonable in light of the nature, extent, and quality of the services provided by the Adviser and its affiliates, the fees charged for those services, and other matters that the Trustees considered relevant in the exercise of their business judgment, and unanimously approved the continuation of the investment advisory agreement for each Janus Henderson Fund for the period from February 1, 2024 through February 1, 2025, subject to earlier termination as provided for in each agreement.

In considering the continuation of those agreements, the Trustees reviewed and analyzed various factors that they determined were relevant, including the factors described below, none of which by itself was considered dispositive. However, the material factors and conclusions that formed the basis for the Trustees' determination to approve the continuation of the agreements are discussed separately below. Also included is a summary of the independent fee consultant's conclusions and opinions that arose during, and were included as part of, the Trustees' consideration of the agreements. "Management fees," as used herein, reflect actual annual advisory fees and, for the purpose of peer comparisons any administration fees (excluding out of pocket costs), net of any waivers, paid by a fund as a percentage of average net assets.

#### Nature, Extent and Quality of Services

The Trustees reviewed the nature, extent, and quality of the services provided by the Adviser to the Janus Henderson Funds, taking into account the investment objective, strategies, and policies of each Janus Henderson Fund, and the knowledge the Trustees gained from their regular meetings with management on at least a quarterly basis and their ongoing review of information related to the Janus Henderson Funds. In addition, the Trustees reviewed the resources and key personnel of the Adviser, particularly noting those employees who provide investment and risk management services to the Janus Henderson Funds. The Trustees also considered other services provided to the Janus Henderson

#### Additional Information (unaudited)

Funds by the Adviser, such as managing the execution of portfolio transactions and the selection of broker-dealers for those transactions. The Trustees considered the Adviser's role as administrator to the Janus Henderson Funds, noting that the Adviser generally does not receive a fee for its services as administrator, but is reimbursed for its out-of-pocket costs. The Trustees considered the role of the Adviser in monitoring adherence to the Janus Henderson Funds' investment restrictions, providing support services for the Trustees and Trustee committees, and overseeing communications with Janus Henderson Fund shareholders and the activities of other service providers, including monitoring compliance with various policies and procedures of the Janus Henderson Funds and with applicable securities laws and regulations.

In this regard, the independent fee consultant noted that the Adviser provides a number of different services for the Janus Henderson Funds and their shareholders, ranging from investment management services to various other servicing functions, and that, in its view, the Adviser is a capable provider of those services. The independent fee consultant also provided its belief that the Adviser has developed a number of institutional competitive advantages that should enable it to provide superior investment and service performance over the long term.

The Trustees concluded that the nature, extent, and quality of the services provided by the Adviser to each Janus Henderson Fund were appropriate and consistent with the terms of the respective advisory agreements, and that, taking into account steps taken to address those Janus Henderson Funds whose performance lagged that of their peers for certain periods, the Janus Henderson Funds were likely to benefit from the continued provision of those services. They also concluded that the Adviser had sufficient personnel, with the appropriate education and experience, to serve the Janus Henderson Funds effectively and had demonstrated its ability to attract well-qualified personnel.

#### Performance of the Funds

The Trustees considered the performance results of each Janus Henderson Fund over various time periods. They noted that they considered Janus Henderson Fund performance data throughout the year, including periodic meetings with each Janus Henderson Fund's portfolio manager(s), and also reviewed information comparing each Janus Henderson Fund's performance with the performance of comparable fund peer groups identified by Broadridge Financial Solutions, Inc. ("Broadridge"), an independent data provider, and with the Janus Henderson Fund's benchmark index.

In this regard, as reported by Broadridge: (i) for the 12 months ended June 30, 2023, approximately 44% of the Janus Henderson Funds were in the top two quartiles of their Broadridge peer groups; and (ii) for the 36 months ended June 30, 2023, approximately 50% of the Janus Henderson Funds were in the top two quartiles of their Broadridge peer groups. In addition, the independent fee consultant found that the Janus Henderson Funds' average 2023 performance has been reasonable, noting that: (i) for the 12 months ended September 30, 2023, approximately 43% of the Janus Henderson Funds were in the top two quartiles of performance as reported by Morningstar; (ii) for the 36 months ended September 30, 2023, approximately 45% of the Janus Henderson Funds were in the top two quartiles of performance as reported by Morningstar; and (iii) for the 5- and 10-year periods ended September 30, 2023, approximately 63% and 66% of the Janus Henderson Funds were in the top two quartiles of performance, respectively, as reported by Morningstar.

The Trustees considered the performance of each Janus Henderson Fund, noting that performance may vary by share class, and noted the following with respect to the VIT Portfolios:

- For Janus Henderson Balanced Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Enterprise Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the third Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Flexible Bond Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the bottom Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Forty Portfolio, the Trustees noted that the VIT Portfolio's performance was in the third Broadridge quartile for the 36 months ended June 30, 2023 and the second Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted the reasons for the VIT Portfolio's underperformance, while also noting

#### Additional Information (unaudited)

that the VIT Portfolio has a performance fee structure that results in lower management fees during periods of underperformance, the steps the Adviser had taken or was taking to improve performance, and that the performance trend was improving.

- For Janus Henderson Global Research Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge guartile for the 36 months ended June 30, 2023 and the first Broadridge guartile for the 12 months ended June 30, 2023.
- For Janus Henderson Global Sustainable Equity Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted that 36 monthend performance was not yet available.
- For Janus Henderson Global Technology and Innovation Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Mid Cap Value Portfolio, the Trustees noted that the VIT Portfolio's performance was in the bottom Broadridge quartile for the 36 months ended June 30, 2023 and the third Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted the reasons for the VIT Portfolio's underperformance, while also noting that the VIT Portfolio has a performance fee structure that results in lower management fees during periods of underperformance, the steps the Adviser had taken or was taking to improve performance.
- For Janus Henderson Overseas Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the bottom Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Research Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.

In consideration of each Janus Henderson Fund's performance, the Trustees concluded that, taking into account the factors relevant to performance, as well as other considerations, including steps taken to improve performance, as applicable, the Janus Henderson Fund's performance warranted continuation of such Janus Henderson Fund's investment advisory agreement.

#### Costs of Services Provided

The Trustees examined information regarding the fees and expenses of each Janus Henderson Fund in comparison to similar information for other comparable funds as provided by Broadridge, an independent data provider. They also reviewed an analysis of that information provided by their independent fee consultant. The independent fee consultant provided its belief that the management fees charged by the Adviser to each of the Janus Henderson Funds under the current investment advisory and administration agreements are reasonable in relation to the services provided by the Adviser. The independent fee consultant found: (1) the total expenses and management fees of the Janus Henderson Funds to be reasonable relative to other comparable mutual funds; (2) the total expenses, on average, were 8% under the average total expenses of the respective Broadridge peer group; and (3) the management fees for the Janus Henderson Funds, on average, were 6% under the average management fees for the respective Broadridge peer group. The Trustees also considered the total expenses for each share class of each Janus Henderson Fund compared to the average total expenses for its Broadridge Expense Group and to average total expenses for its Broadridge Expense Universe.

For Janus Henderson Funds with three or more years of performance history, the independent fee consultant also performed a systematic "focus list" analysis of expenses which assessed fund fees in the context of fund performance being delivered. Based on this analysis, the independent fee consultant found that the combination of service quality/performance and expenses on these individual Janus Henderson Funds was reasonable considering performance trends, performance histories, changes in portfolio management, relative average net asset levels, and the existence of performance fees, breakpoints, and/or expense waivers on such Janus Henderson Funds.

The Trustees considered the methodology used by the Adviser in determining compensation payable to portfolio managers, the competitive environment for investment management talent, and the competitive market for mutual funds in different distribution channels.

**Additional Information (unaudited)** 

The Trustees also reviewed management fees charged by the Adviser to comparable institutional/separate account clients and to comparable non-affiliated funds subadvised by the Adviser (for which the Adviser provides only or primarily portfolio management services). Although in most instances subadvisory and institutional/separate account fee rates for various investment strategies were lower than management fee rates for Janus Henderson Funds having a similar strategy, the Trustees considered that the Adviser noted that, under the terms of the management agreements with the Janus Henderson Funds, the Adviser performs significant additional services for the Janus Henderson Funds that it does not provide to those other clients, including administration services, oversight of the Janus Henderson Funds' other service providers, Trustee support, regulatory compliance, and numerous other services, and that, in serving the Janus Henderson Funds, the Adviser assumes many legal risks and other costs that it does not assume in servicing its other clients. Moreover, the Trustees noted that the independent fee consultant referenced its past analyses from 2022, which found that: (1) the management fees the Adviser charges to the Janus Henderson Funds are reasonable in relation to the management fees the Adviser charges to funds subadvised by the Adviser and to the fees the Adviser charges to its institutional separate account clients; (2) these subadvised and institutional separate accounts have different service and infrastructure needs and operate in markets very different from the retail fund market; (3) Janus Henderson mutual fund investors enjoy reasonable fees relative to the fees charged in these other markets; and (4) 9 of 11 Janus Henderson Funds had lower management fees than similar funds subadvised by the Adviser. As part of their review of the 2022 independent consultant findings, the Trustees noted that for the two Janus Henderson Funds that did not have lower management fees than similar funds subadvised by the Adviser, management fees for each were under the average of its 15(c) peer group.

The Trustees considered the fees for each Janus Henderson Fund for its fiscal year ended in 2022 and noted the following with regard to each VIT Portfolio's total expenses, net of applicable fee waivers (the VIT Portfolio's "total expenses") as reflected in the comparative information provided by Broadridge:

- For Janus Henderson Balanced Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group average for one share class, overall the VIT Portfolio's total expenses were reasonable.
- For Janus Henderson Enterprise Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Flexible Bond Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group for one share class, overall the VIT Portfolio's total expenses were reasonable. The Trustees also noted that the Adviser has contractually agreed to limit the VIT Portfolio's expenses, although this limit did not apply because the Fund's total expenses as shown were below the applicable fee limit.
- For Janus Henderson Forty Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Research Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Sustainable Equity Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Technology and Innovation Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Mid Cap Value Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Overseas Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group average for one share class, overall the VIT Portfolio's total expenses were reasonable.
- For Janus Henderson Research Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.

The Trustees reviewed information on the overall profitability to the Adviser and its affiliates from their relationships with the Janus Henderson Funds, and considered profitability data of other publicly traded mutual fund advisers. The Trustees recognized that profitability comparisons among fund managers are difficult because of the variation in the type of comparative information that is publicly available, and the profitability of any fund manager is affected by

#### Janus Henderson VIT Global Research Portfolio Additional Information (unaudited)

numerous factors, including the organizational structure of the particular fund manager, differences in complex size, difference in product mix, difference in types of business (mutual fund, institutional and other), differences in the types of funds and other accounts it manages, possible other lines of business, the methodology for allocating expenses and the fund manager's capital structure and cost of capital.

Additionally, the Trustees considered the estimated profitability to the Adviser from the investment management services it provided to each Janus Henderson Fund. In their review, the Trustees considered whether the Adviser receives adequate incentives and resources to manage the Janus Henderson Funds effectively. In reviewing profitability, the Trustees noted that the estimated profitability for an individual Janus Henderson Fund is necessarily a product of the allocation methodology utilized by the Adviser to allocate its expenses as part of the estimated profitability calculation. In this regard, the Trustees noted that the independent fee consultant found as part of its 2022 review, which assessed 2021 fund-level profitability, that (1) the expense allocation methodology and rationales utilized by the Adviser were reasonable and (2) no clear correlation exists between expense allocations and operating margins. The Trustees noted that the Adviser reported no changes to its allocation methodology for the 2023 15(c) process; however, at the Trustees' request, the independent fee consultant reviewed changes to the allocation methodology that were reflected in the 2021 data for the 2022 15(c) process, but were not separately analyzed by the independent fee consultant as part of its 2022 review. The independent fee consultant found the new allocation methodology and the rationale for the changes to be reasonable. Further, the independent fee consultant's analysis of fund operating margins showed de minimis impact on operating margins as a result of the changes to the allocation methodology. As part of their overall review of fund profitability, the Trustees also considered that the estimated profitability for an individual Janus Henderson Fund was influenced by a number of factors, including not only the allocation methodology selected. but also the presence of fee waivers and expense caps, and whether the Janus Henderson Fund's investment management agreement contained breakpoints or a performance fee component. The Trustees determined, after taking into account these factors, among others, that the Adviser's estimated profitability with respect to each Janus Henderson Fund was not unreasonable in relation to the services provided, and that the variation in the range of such estimated profitability among the Janus Henderson Funds was not a material factor in the Board's approval of the reasonableness of any Janus Henderson Fund's investment management fees.

The Trustees concluded that the management fees payable by each Janus Henderson Fund to the Adviser were reasonable in relation to the nature, extent, and quality of the services provided, taking into account the fees charged by other advisers for managing comparable mutual funds with similar strategies, the fees the Adviser charges to other clients, and, as applicable, the impact of fund performance on management fees payable by the Janus Henderson Funds. The Trustees also concluded that each Janus Henderson Fund's total expenses were reasonable, taking into account the size of the Janus Henderson Fund, the quality of services provided by the Adviser, the investment performance of the Janus Henderson Fund, and any expense limitations agreed to or provided by the Adviser.

#### Economies of Scale

The Trustees considered information about the potential for the Adviser to realize economies of scale as the assets of the Janus Henderson Funds increase. They noted that their independent fee consultant published a report to the Trustees in 2022, which provided its research and analysis into economies of scale. The Trustees also considered the following from the independent fee consultant's 2023 report: (1) past analyses completed by it cannot confirm or deny the existence of economies of scale in the Janus Henderson complex, but the independent fee consultant provided its belief that Janus Henderson Fund investors are well-served by the fee levels, management fee breakpoints, and performance fee structures in place on the Janus Henderson Funds in light of any economies of scale that may be present at the Adviser; (2) that 28% of Janus Henderson Funds had management fee breakpoints in place whereby investors pay lower management fees as fund AUM increases; (3) that 31% of Janus Henderson Funds have low flatrate fees and performance fees where the Adviser is incentivized to invest in resources which drive Janus Henderson Fund performance; and (4) that 41% of Janus Henderson Funds have low flat-rate fees (the "Low Flat-Rate Fee Funds") versus peers where investors pay low fixed fees when the Janus Henderson Fund is small/midsized and higher fees when the Janus Henderson Fund grows in assets.

With respect to the Low Flat-Rate Fee Funds, the independent fee consultant concluded in its 2023 report that (1) 70% of such funds have contractual management fees (gross of waivers) below their respective Broadridge peer group averages; (2) to the extent there were economies of scale at the Adviser, the Adviser's general strategy of setting fixed management fees below peers appeared to share any such economies with investors even on smaller Janus Henderson Funds, which have not yet achieved those economies; and (3) by setting lower fixed fees from the start on

## Janus Henderson VIT Global Research Portfolio Additional Information (unaudited)

the Low Flat-Rate Fee Funds, the Adviser appeared to be investing to increase the likelihood that these Janus Henderson Funds will grow to a level to achieve any economies of scale that may exist.

The Trustees also noted that the Janus Henderson Funds share directly in economies of scale through the significant investments made by the Adviser and its affiliates related to services provided to the Funds and the lower charges of third-party service providers that are based in part on the combined scale of all of the Janus Henderson Funds.

Based on all of the information reviewed, including the recent and past research and analysis conducted by the Trustees' independent fee consultant, the Trustees concluded that the current fee structure of each Janus Henderson Fund was reasonable and that the current rates of fees do reflect a sharing between the Adviser and the Janus Henderson Fund of any economies of scale that may be present at the current asset level of the Janus Henderson Fund.

#### Other Benefits to the Adviser

The Trustees also considered other benefits that accrue to the Adviser and its affiliates from their relationships with the Janus Henderson Funds. They recognized that two affiliates of the Adviser separately serve the Janus Henderson Funds as transfer agent and distributor, respectively, and the transfer agent receives compensation directly from the non-money market Janus Henderson Funds for services provided, and that such compensation contributes to the overall profitability of the Adviser and its affiliates that results from their relationship with the Janus Henderson Funds. The Trustees also considered the Adviser's past and proposed use of commissions paid by Janus Henderson Funds on portfolio brokerage transactions to obtain proprietary and third-party research products and services benefiting the Janus Henderson Fund and/or other clients of the Adviser and/or the Adviser. The Trustees concluded that the Adviser's use of these types of client commission arrangements to obtain proprietary and third-party research products and services was consistent with regulatory requirements and guidelines and was likely to benefit such Janus Henderson Funds. The Trustees also concluded that, other than the services provided by the Adviser and its affiliates pursuant to the agreements and the fees to be paid by each Janus Henderson Fund therefor, the Janus Henderson Funds and the Adviser may potentially benefit from their relationship with each other in other ways. They concluded that the Adviser and its affiliates share directly in economies of scale through the lower charges of third-party service providers that are based in part on the combined scale of the Janus Henderson Funds and other clients serviced by the Adviser and its affiliates. They also concluded that the Adviser benefits from the receipt of research products and services acquired through commissions paid on portfolio transactions of the Janus Henderson Funds and that the Janus Henderson Funds benefit from the Adviser's receipt of those products and services as well as research products and services acquired through commissions paid by other clients of the Adviser. They further concluded that the success of any Janus Henderson Fund could attract other business to the Adviser or other Janus Henderson Funds, and that the success of the Adviser could enhance the Adviser's ability to serve the Janus Henderson Funds.

#### **Useful Information About Your Portfolio Report** (unaudited)

#### **Management Commentary**

The Management Commentary in this report includes valuable insight as well as statistical information to help you understand how your Portfolio's performance and characteristics stack up against those of comparable indices.

If the Portfolio invests in foreign securities, this report may include information about country exposure. Country exposure is based primarily on the country of risk. A company may be allocated to a country based on other factors such as location of the company's principal office, the location of the principal trading market for the company's securities, or the country where a majority of the company's revenues are derived.

Please keep in mind that the opinions expressed in the Management Commentary are just that: opinions. They are a reflection based on best judgment at the time this report was compiled, which was December 31, 2023. As the investing environment changes, so could opinions. These views are unique and are not necessarily shared by fellow employees or by Janus Henderson in general.

#### **Performance Overviews**

Performance overview graphs compare the performance of a hypothetical \$10,000 investment in the Portfolio with one or more widely used market indices. When comparing the performance of the Portfolio with an index, keep in mind that market indices are not available for investment and do not reflect deduction of expenses.

Average annual total returns are quoted for a Portfolio with more than one year of performance history. Average annual total return is calculated by taking the growth or decline in value of an investment over a period of time, including reinvestment of dividends and distributions, then calculating the annual compounded percentage rate that would have produced the same result had the rate of growth been constant throughout the period. Average annual total return does not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares.

Cumulative total returns are quoted for a Portfolio with less than one year of performance history. Cumulative total return is the growth or decline in value of an investment over time, independent of the period of time involved. Cumulative total return does not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares.

Pursuant to federal securities rules, expense ratios shown in the performance chart reflect subsidized (if applicable) and unsubsidized ratios. The total annual fund operating expenses ratio is gross of any fee waivers, reflecting the Portfolio's unsubsidized expense ratio. The net annual fund operating expenses ratio (if applicable) includes contractual waivers of the Adviser and reflects the Portfolio's subsidized expense ratio. Ratios may be higher or lower than those shown in the "Financial Highlights" in this report.

#### Schedule of Investments

Following the performance overview section is the Portfolio's Schedule of Investments. This schedule reports the types of securities held in the Portfolio on the last day of the reporting period. Securities are usually listed by type (common stock, corporate bonds, U.S. Government obligations, etc.) and by industry classification (banking, communications, insurance, etc.). Holdings are subject to change without notice.

The value of each security is quoted as of the last day of the reporting period. The value of securities denominated in foreign currencies is converted into U.S. dollars.

If the Portfolio invests in foreign securities, it will also provide a summary of investments by country. This summary reports the Portfolio exposure to different countries by providing the percentage of securities invested in each country. The country of each security represents the country of risk. The Portfolio's Schedule of Investments relies upon the industry group and country classifications published by Bloomberg and/or MSCI Inc.

Tables listing details of individual forward currency contracts, futures, written options, swaptions, and swaps follow the Portfolio's Schedule of Investments (if applicable).

#### Statement of Assets and Liabilities

This statement is often referred to as the "balance sheet." It lists the assets and liabilities of the Portfolio on the last day of the reporting period.

#### **Useful Information About Your Portfolio Report** (unaudited)

The Portfolio's assets are calculated by adding the value of the securities owned, the receivable for securities sold but not yet settled, the receivable for dividends declared but not yet received on securities owned, and the receivable for Portfolio shares sold to investors but not yet settled. The Portfolio's liabilities include payables for securities purchased but not yet settled, Portfolio shares redeemed but not yet paid, and expenses owed but not yet paid. Additionally, there may be other assets and liabilities such as unrealized gain or loss on forward currency contracts.

The section entitled "Net Assets Consist of" breaks down the components of the Portfolio's net assets. Because the Portfolio must distribute substantially all earnings, you will notice that a significant portion of net assets is shareholder capital.

The last section of this statement reports the net asset value ("NAV") per share on the last day of the reporting period. The NAV is calculated by dividing the Portfolio's net assets for each share class (assets minus liabilities) by the number of shares outstanding.

#### **Statement of Operations**

This statement details the Portfolio's income, expenses, realized gains and losses on securities and currency transactions, and changes in unrealized appreciation or depreciation of Portfolio holdings.

The first section in this statement, entitled "Investment Income," reports the dividends earned from securities and interest earned from interest-bearing securities in the Portfolio.

The next section reports the expenses incurred by the Portfolio, including the advisory fee paid to the investment adviser, transfer agent fees and expenses, and printing and postage for mailing statements, financial reports and prospectuses. Expense offsets and expense reimbursements, if any, are also shown.

The last section lists the amounts of realized gains or losses from investment and foreign currency transactions, and changes in unrealized appreciation or depreciation of investments and foreign currency-denominated assets and liabilities. The Portfolio will realize a gain (or loss) when it sells its position in a particular security. A change in unrealized gain (or loss) refers to the change in net appreciation or depreciation of the Portfolio during the reporting period. "Net Realized and Unrealized Gain/(Loss) on Investments" is affected both by changes in the market value of Portfolio holdings and by gains (or losses) realized during the reporting period.

#### Statements of Changes in Net Assets

These statements report the increase or decrease in the Portfolio's net assets during the reporting period. Changes in the Portfolio's net assets are attributable to investment operations, dividends and distributions to investors, and capital share transactions. This is important to investors because it shows exactly what caused the Portfolio's net asset size to change during the period.

The first section summarizes the information from the Statement of Operations regarding changes in net assets due to the Portfolio's investment operations. The Portfolio's net assets may also change as a result of dividend and capital gains distributions to investors. If investors receive their dividends and/or distributions in cash, money is taken out of the Portfolio to pay the dividend and/or distribution. If investors reinvest their dividends and/or distributions, the Portfolio's net assets will not be affected.

The reinvestment of dividends and distributions is included under "Capital Share Transactions." "Capital Shares" refers to the money investors contribute to the Portfolio through purchases or withdrawals via redemptions. The Portfolio's net assets will increase and decrease in value as investors purchase and redeem shares from the Portfolio.

#### **Financial Highlights**

This schedule provides a per-share breakdown of the components that affect the Portfolio's NAV for current and past reporting periods as well as total return, asset size, ratios, and portfolio turnover rate.

The first line in the table reflects the NAV per share at the beginning of the reporting period. The next line reports the net investment income/(loss) per share. Following is the per share total of net gains/(losses), realized and unrealized. Per share dividends and distributions to investors are then subtracted to arrive at the NAV per share at the end of the period. The next line reflects the total return for the period. The total return may include adjustments in accordance with generally accepted accounting principles required at the period end for financial reporting purposes. As a result, the total return may differ from the total return reflected for individual shareholder transactions. Also included are ratios of expenses and net investment income to average net assets.

#### Janus Henderson VIT Global Research Portfolio **Useful Information About Your Portfolio Report** (unaudited)

The Portfolio's expenses may be reduced through expense offsets and expense reimbursements. The ratios shown reflect expenses before and after any such offsets and reimbursements.

The ratio of net investment income/(loss) summarizes the income earned less expenses, divided by the average net assets of the Portfolio during the reporting period. Do not confuse this ratio with the Portfolio's yield. The net investment income ratio is not a true measure of the Portfolio's yield because it does not take into account the dividends distributed to the Portfolio's investors.

The next figure is the portfolio turnover rate, which measures the buying and selling activity in the Portfolio. Portfolio turnover is affected by market conditions, changes in the asset size of the Portfolio, fluctuating volume of shareholder purchase and redemption orders, the nature of the Portfolio's investments, and the investment style and/or outlook of the portfolio manager(s) and/or investment personnel. A 100% rate implies that an amount equal to the value of the entire portfolio was replaced once during the fiscal year; a 50% rate means that an amount equal to the value of half the portfolio is traded in a year; and a 200% rate means that an amount equal to the value of the entire portfolio is traded every six months.

#### **Designation Requirements (unaudited)**

For federal income tax purposes, the Portfolio designated the following for the year ended December 31, 2023:

Capital Gain Distributions	\$20,990,213
Dividends Received Deduction Percentage	88%

**Trustees and Officers (unaudited)** 

The following are the Trustees and officers of the Trust, together with a brief description of their principal occupations during the last five years (principal occupations for certain Trustees may include periods over five years). The Portfolio's Statement of Additional Information includes additional information about the Trustees and officers and is available, without charge, by calling 1-877-335-2687.

Each Trustee has served in that capacity since he or she was originally elected or appointed. The Trustees do not serve a specified term of office. Each Trustee will hold office until the termination of the Trust or his or her earlier death, resignation, retirement, incapacity, or removal. Under the Portfolio's Governance Procedures and Guidelines, the policy is for Trustees to retire no later than the end of the calendar year in which the Trustee turns 75, unless extended by the Trustees. The Trustees review the Portfolio's Governance Procedures and Guidelines from time to time and may make changes they deem appropriate. The Portfolio's Nominating and Governance Committee will consider nominees for the position of Trustee recommended by shareholders. Shareholders may submit the name of a candidate for consideration by the Committee by submitting their recommendations to the Trust's Secretary. Each Trustee is currently a Trustee of one other registered investment company advised by the Adviser: Janus Investment Fund. Collectively, these two registered investment companies consist of 48 series or funds referred to herein as the Fund Complex.

The Trust's officers are elected annually by the Trustees for a one-year term. Certain officers also serve as officers of Janus Investment Fund. Certain officers of the Portfolio may also be officers and/or directors of the Adviser. Except as otherwise disclosed, Portfolio officers receive no compensation from the Portfolio, except for the Portfolio's Chief Compliance Officer, as authorized by the Trustees.

#### **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Alan A. Brown 151 Detroit Street Denver, CO 80206 DOB: 1962	Chairman	5/22- Present 1/13- Present	Principal, Curam Holdings LLC (since 2018). Formerly, Executive Vice President, Institutional Markets, of Black Creek Group (private equity real estate investment management firm) (2012-2018), Executive Vice President and Co-Head, Global Private Client Group (2007-2010), Executive Vice President, Mutual Funds (2005-2007), and Chief Marketing Officer (2001-2005) of Nuveen Investments, Inc. (asset management).	48	Advisory Board Member of AEW Core Property Trust (open-end property fund) (since 2020), and Director of WTTW (PBS affiliate) (since 2003). Formerly, Director of MotiveQuest LLC (strategic social market research company) (2003-2016), Director of Nuveen Global Investors LLC (2007-2011), Director of Communities in Schools (2004-2010), and Director of Mutual Fund Education Alliance (until 2010).
Cheryl D. Alston 151 Detroit Street Denver, CO 80206 DOB: 1966	Trustee	8/22- Present	Executive Director and Chief Investment Officer, Employees' Retirement Fund of the City of Dallas (since 2004).	48	Director of Blue Cross Blue Shield of Kansas City (a not-for-profit health insurance provider) (since 2016) and Director of Global Life Insurance (life and supplemental health insurance provider) (since 2017). Formerly, Director of Federal Home Loan Bank of Dallas (2017-2021).

#### **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
William D. Cvengros 151 Detroit Street Denver, CO 80206 DOB: 1948	Trustee	1/11- Present	Chief Executive Officer of SJC Capital, LLC (a personal investment company and consulting firm) (since 2002). Formerly, Chief Executive Officer and President of PIMCO Advisors Holdings L.P. (a publicly traded investment management firm) (1994-2000), and Chief Investment Officer (1987- 1994) and Vice Chairman and Director (1990- 1994) of Pacific Life Insurance Company (a mutual life insurance and annuity company) (1987-1994).	48	Board Member, Revitate Capital (alternate asset manager) (since 2023), Member, Limited Partner Advisory Committee, Karmel Capital Fund III (later stage growth fund) (since 2022), Member of the Investment Committee for the Orange County Community Foundation (a grantmaking foundation) (since 2020), Advisory Board Member, RevOZ Fund LP and related funds (real estate investments for opportunity zones) (since 2020), and Advisory Board Member, Innovate Partners Emerging Growth and Equity Fund I (early stage venture capital fund) (since 2014). Formerly, Managing Trustee of National Retirement Partners Liquidating Trust (2013-2016), Chairman, National Retirement Partners, Inc. (formerly a network of advisors to 401(k) plans) (2005-2013), Director of Prospect Acquisition Corp. (a special purpose acquisition corporation) (2007-2009), Director of RemedyTemp, Inc. (temporary help services company) (1996-2006), and Trustee of PIMCO Funds Multi-Manager Series (1990-2000) and Pacific Life Variable Life & Annuity Trusts (1987-1994).

#### **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Trustee	es				
Raudline Etienne 151 Detroit Street Denver, CO 80206 DOB: 1965	Trustee	6/16- Present	Founder, Daraja Capital (advisory and investment firm) (since 2016). Formerly, Senior Vice President and Senior Advisor, Albright Stonebridge Group LLC (global strategy firm) (2011-2021), and Deputy Comptroller and Chief Investment Officer, New York State Common Retirement Fund (public pension fund) (2008- 2011).	48	Member of the Investment Committee for Cooper Union (private college) (since 2021) and Director of Brightwood Capital Advisors, LLC (since 2014). Formerly, Board Member, Van Alen Institute (nonprofit architectural and design organization) (2019-2022).

#### **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Darrell B. Jackson 151 Detroit Street Denver, CO 80206 DOB: 1958	Trustee	8/22- Present	President and Chief Executive Officer, The Efficace Group Inc. (since 2018). Formerly, President and Chief Executive Officer, Seaway Bank and Trust Company (community bank) (2014-2015), and Executive Vice President and Co-President, Wealth Management (2009-2014), and several senior positions, including Group Executive, Senior Vice President (1995-2009) of Northern Trust Company (financial services company) (1995-2014).	48	Advisory Board Member, Dome Construction (construction) (since 2023), Director of Amalgamated Financial Corp (bank) (since August 2021), Director of YR Media (a not-for-profit production company) (since 2021), and Director of Gray-Bowen-Scott (transportation project consulting firm) (since April 2020). Formerly, Director of Delaware Place Bank (closely held commercial bank) (2016-2018) and Director of Seaway Bank and Trust Company (2014- 2015).

#### **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste					
William F. McCalpin 151 Detroit Street Denver, CO 80206 DOB: 1957	Trustee	6/02- Present	Chief Executive Officer, muun chi LLC (organic food business) (since 2022) and Independent Consultant (since 2019). Formerly, Chief Operating Officer, muun chi LLC (2020-2022), Managing Partner, Impact Investments, Athena Capital Advisors LLC (independent registered investment advisor) (2016- 2019), Managing Director, Holos Consulting LLC (provides consulting services to foundations and other nonprofit organizations) (2009-2016), Chief Executive Officer, Imprint Capital Advisors (impact investment firm) (2013-2015), and Executive Vice President and Chief Operating Officer of The Rockefeller Brothers Fund (a private family foundation) (1998- 2006).	48	Chairman of the Board of The Investment Fund for Foundations Investment Program (TIP) (consisting of 1 fund) (since 2008). Formerly, Trustee, TIP (2008-2023), Director of the F.B. Heron Foundation (a private grantmaking foundation) (2006-2022), and Director of Mutual Fund Directors Forum (a nonprofit organization serving independent directors of U.S. mutual funds) (2016-2021).

#### **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Gary A. Poliner 151 Detroit Street Denver, CO 80206 DOB: 1953	Trustee	6/16- Present	Retired. Formerly, President (2010- 2013) of Northwestern Mutual Life Insurance Company.	48	Formerly, Director of MGIC Investment Corporation (private mortgage insurance) (2013-2023), Director, West Bend Mutual Insurance Company (property/casualty insurance) (2013-2021), Trustee of Northwestern Mutual Life Insurance Company (2010-2013) and Director of Frank Russell Company (global asset management firm) (2008-2013).
Diane L. Wallace 151 Detroit Street Denver, CO 80206 DOB: 1958	Trustee	6/17- Present	Retired. Formerly, Chief Operating Officer, Senior Vice President-Operations, and Chief Financial Officer for Driehaus Capital Management, LLC (1988-2006) and Treasurer for Driehaus Mutual Funds (1996-2002).	48	Formerly, Director of Family Service of Lake County (2019-2021), Independent Trustee, Henderson Global Funds (13 portfolios) (2015-2017), Independent Trustee, State Farm Associates' Funds Trust, State Farm Mutual Fund Trust, and State Farm Variable Product Trust (28 portfolios) (2013-2017).

**Trustees and Officers (unaudited)** 

Name, Address, and Age	Positions Held with the Trust	Term of Office* and Length of Time Served	Principal Occupations During the Past Five Years
Matthew Peron 151 Detroit Street Denver, CO 80206 DOB: 1968	Executive Vice President and Co-Portfolio Manager Janus Henderson Global Research Portfolio	4/20-Present	Director of Research of the Adviser, Global Head of Solutions, and Portfolio Manager for other Janus Henderson accounts. Formerly, Chief Investment Officer for City National Rochdale (2018-2020), Executive Vice President and Managing Director of Global Equity at Northern Trust (2005-2018).
Michelle Rosenberg 151 Detroit Street Denver, CO 80206 DOB: 1973	President and Chief Executive Officer	9/22-Present	General Counsel and Corporate Secretary of Janus Henderson Investors (since 2018). Formerly, Interim President and Chief Executive Officer of the Trust and Janus Investment Fund (2022), Senior Vice President and Head of Legal, North America of Janus Henderson Investors (2017-2018) and Deputy General Counsel of Janus Henderson US (Holdings) Inc. (2015-2018).
Kristin Mariani 151 Detroit Street Denver, CO 80206 DOB: 1966	Vice President and Chief Compliance Officer	7/20-Present	Head of Compliance, North America at Janus Henderson Investors (since September 2020) and Chief Compliance Officer at Janus Henderson Investors US LLC (since September 2017). Formerly, Anti-Money Laundering Officer for the Trust and Janus Investment Fund (July 2020-December 2022), Global Head of Investment Management Compliance at Janus Henderson Investors (February 2019-August 2020), Vice President, Head of Global Distribution Compliance and Chief Compliance Officer at Janus Henderson Distributors US LLC (May 2017-September 2017), Vice President, Compliance at Janus Henderson US (Holdings) Inc., Janus Henderson Investors US LLC, and Janus Henderson Distributors US LLC (2009-2017).

<sup>\*</sup> Officers are elected at least annually by the Trustees for a one-year term and may also be elected from time to time by the Trustees for an interim period.

**Trustees and Officers (unaudited)** 

#### **OFFICERS**

Name, Address, and Age	Positions Held with the Trust	Term of Office* and Length of Time Served	Principal Occupations During the Past Five Years
Jesper Nergaard 151 Detroit Street Denver, CO 80206 DOB: 1962	Chief Financial Officer  Vice President, Treasurer, and Principal Accounting Officer	3/05-Present 2/05-Present	Head of U.S. Fund Administration, Janus Henderson Investors and Janus Henderson Services US LLC.
Abigail J. Murray 151 Detroit Street Denver, CO 80206 DOB: 1975	Vice President, Chief Legal Counsel, and Secretary	12/20-Present	Managing Counsel (since 2020). Formerly, Senior Counsel for Invesco Ltd. (2017-2020).
Ciaran Askin 151 Detroit Street Denver, CO 80206 DOB: 1978	Anti-Money Laundering Officer	12/22-Present	Global Head of Financial Crime, Janus Henderson Investors (since 2022). Formerly, Global Head of Financial Crime for Invesco Ltd. (2017-2022).

<sup>\*</sup> Officers are elected at least annually by the Trustees for a one-year term and may also be elected from time to time by the Trustees for an interim period.



Janus Aspen Series

#### HIGHLIGHTS

- Portfolio management perspective
- Investment strategy behind your portfolio
- Portfolio performance, characteristics and holdings



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#### Janus Henderson VIT Research Portfolio (unaudited)

Team-Based Approach Led by Matthew Peron, Director of Research

#### PERFORMANCE OVERVIEW

For the 12-month period ending December 31, 2023, the Janus Henderson VIT Research Portfolio's Institutional Shares and Service Shares returned 43.17% and 42.81%, respectively. The Portfolio's primary benchmark, the Russell 1000® Growth Index, returned 42.68%, and its secondary benchmark, the S&P 500® Index, returned 26.29%. Another benchmark we use to measure performance, the Core Growth Index, returned 34.29%. The Core Growth Index is an internally calculated benchmark combining returns from the Russell 1000 Growth Index (50%) and S&P 500 Index (50%).

#### INVESTMENT ENVIRONMENT

The U.S. equity market delivered positive returns for the 12-month period ended December 31, 2023. However, stocks encountered periods of volatility as investors awaited clarity on the direction of Federal Reserve (Fed) policy, interest rates, and inflation. Economic growth appeared relatively resilient, as a strong job market supported consumer spending. Yet there were signs of slowing in other areas of the economy, especially manufacturing and housing. The Fed continued to raise its policy rates through July before leaving rates unchanged starting in September. However, policymakers warned that interest rates may need to remain high for an extended period to contain inflation, especially as oil prices surged in the third guarter. These worries led to a broad-based stock market decline in the third quarter. Stocks rallied strongly in the fourth quarter, however, as investor expectations shifted from fears of additional interest rate hikes to hopes that moderating inflation might persuade the Fed to reduce rates in 2024. Declining bond yields and falling crude oil prices were also tailwinds for investor sentiment and stock performance late in the year.

#### PERFORMANCE DISCUSSION

We were pleased that the Portfolio outperformed both benchmarks for the reporting period. At the same time, our primary focus remains on the long view. We continue to look for opportunities to capitalize on long-term trends that may play out over the next three to five years, creating above-average earnings growth potential for disciplined and innovative companies. To take advantage of these long-term opportunities, we remain focused on what we view to be our strengths: picking stocks and avoiding macroeconomic risks. We continue to rely on the stock-picking expertise of our seven global sector teams that employ a bottom-up, fundamental approach to identify what we consider the best long-term global growth opportunities.

Among individual holdings, information technology holding Nvidia was a standout performer. The graphics chipmaker has benefited from its diverse portfolio of new products targeting the gaming and data center markets. It has experienced accelerating demand for its data center graphics processing units (GPU), which are in high demand to support generative artificial intelligence (AI) applications. As a result, Nvidia reported robust revenue growth, assisted by surging demand for its products from data centers, cloud service providers, consumer internet companies, and AI startups. Nvidia's management indicated they expect data center demand to accelerate into 2024, as technology companies rush to deploy Alrelated capabilities.

Semiconductor producer Advanced Micro Devices (AMD) was another contributor to relative performance. The stock outperformed as investors became more optimistic about a potential resurgence in chip demand in 2024. AMD reported better-than-expected revenue growth for the third quarter of 2023, reflecting strong demand for its products from data centers, and it indicated a solid revenue outlook for 2024. Investors are particularly excited about AMD's new opportunities tied to Al. In December, the company held an "Advancing AI" event aimed at highlighting the launch of its new MI300x GPU accelerator, which demonstrated broad customer momentum and favorable performance metrics versus its peers.

#### Janus Henderson VIT Research Portfolio (unaudited)

The Portfolio's underweight position in Tesla hindered relative performance as the stock was a strong positive performer in the first half of the year. The stock rose in the second quarter as Tesla reported relatively robust production metrics. It also announced a charging network agreement with Ford. The stock faced headwinds in the second half of the year, as Tesla's core automotive business slowed. However, we continue to see longer-term growth potential for the electric vehicle market and for Tesla's initiatives around Al and autonomous driving. At the same time, we see near-term uncertainty for the business, and we are comfortable with an underweight position relative to the benchmark.

Global package delivery and logistics company United Parcel Service (UPS) was another relative detractor, as uncertainty over the company's labor negotiations weighed on the stock. While UPS avoided a strike, the potential for higher labor costs was a headwind for its business and ultimately led the company to reduce its full-year revenue and margin guidance. UPS also faced concerns over slower volumes, especially within its international business. On a positive note, we were encouraged by the company's focus on cost reduction and productivity initiatives, including investments in automation that the management team hopes will support margin improvement.

#### **OUTLOOK**

We have seen signs that higher interest rates are starting to impact the economy, and we believe we could see further reductions in corporate earnings. While we anticipate slower growth in 2024, we have been reassured by the resilience of the U.S. economy and the general health of consumer and corporate balance sheets. China's more pro-growth policies and relaxation of COVID-19 restrictions could also have positive implications for the global economy.

As the market searches for a bottom, we believe investors will seek out companies with high-quality earnings growth, well-capitalized balance sheets, reasonable valuations, and sustainable, organic growth prospects. In our view, such companies will prove resilient not only in the near term but as we leave behind the era of ultra-low interest rates. Going forward, we believe we could see higher structural inflation and tighter monetary policy. We also believe this environment will reward judicious allocators of capital but penalize companies with high degrees of leverage. Just as this environment will help to distinguish high-quality companies, we believe it will also work to our

advantage as active investment managers. We continue to pay close attention to the price we pay for growth, as we look for opportunities to take advantage of trends such as e-commerce, cloud computing, and healthcare innovation.

Thank you for your investment in Janus Henderson VIT Research Portfolio.

**Actively managed Portfolios** may fail to produce the intended results. No investment strategy can ensure a profit or eliminate the risk of loss.

**Quantitative Tightening (QT)** is a government monetary policy occasionally used to decrease the money supply by either selling government securities or letting them mature and removing them from its cash balances.

#### Important Notice – Tailored Shareholder Reports

Effective January 24, 2023, the Securities and Exchange Commission (the "SEC") adopted rule and form amendments that require mutual funds and exchange-traded funds to provide shareholders with streamlined annual and semi-annual shareholder reports that highlight key information. Other information, including financial statements, that currently appears in shareholder reports will be made available online, delivered free of charge to shareholders upon request, and filed with the SEC. The first tailored shareholder report for the Portfolio will be for the reporting period ending June 30, 2024. Currently, management is evaluating the impact of the rule and form amendments on the content of the Portfolio's current shareholder reports.

#### Janus Henderson VIT Research Portfolio (unaudited) **Portfolio At A Glance December 31, 2023**

#### **5 Top Contributors - Holdings**

#### **5 Top Detractors - Holdings**

	Average	Relative		Average	Relative
	Weight	Contribution		Weight	Contribution
NVIDIA Corp	5.59%	1.80%	Tesla Inc	0.53%	-0.82%
Advanced Micro Devices Inc	1.51%	0.62%	United Parcel Service Inc	1.67%	-0.77%
Booking Holdings Inc	1.96%	0.48%	Broadcom Inc	0.21%	-0.64%
Lam Research Corp	1.53%	0.45%	Deere & Co	1.50%	-0.60%
Workday Inc - Class A	1.40%	0.27%	Procter & Gamble Co	1.66%	-0.59%

#### 5 Top Contributors - Sectors\*

			Russell 1000
	Relative	Portfolio	Growth Index
	Contribution	Average Weight	Average Weight
Technology	2.54%	41.35%	41.65%
Consumer	1.02%	17.58%	17.37%
Financials	0.39%	7.79%	7.87%
Communications	0.09%	11.24%	11.05%
Energy	0.03%	0.99%	1.01%

#### 3 Top Detractors - Sectors\*

			Russell 1000
	Relative	Portfolio	Growth Index
	Contribution	Average Weight	Average Weight
Industrials	-1.54%	9.49%	9.59%
Healthcare	-1.21%	11.45%	11.45%
Other**	-0.06%	0.11%	0.00%

Relative contribution reflects how the portolio's holdings impacted return relative to the benchmark. Cash and securities not held in the portfolio are not shown. For equity portfolios, relative contribution compares the performance of a security in the portfolio to the benchmark's total return, factoring in the difference in weight of that security in the benchmark. Returns are calculated using daily returns and previous day ending weights rolled up by ticker, excluding fixed income securities, gross of advisory fees, may exclude certain derivatives and will differ from actual performance. Performance attribution reflects returns gross of advisory fees and may differ from actual returns as they are based on end of day holdings. Attribution is calculated by geometrically linking daily returns for the portfolio and index.

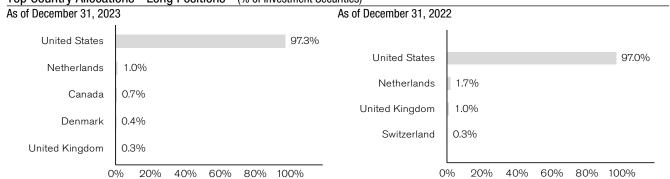
<sup>\*</sup> The sectors listed above reflect those covered by the six analyst teams who comprise the Janus Henderson Research Team.

<sup>\*\*</sup> Not a GICS classified sector.

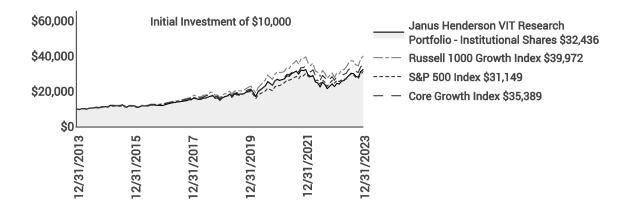
#### Janus Henderson VIT Research Portfolio (unaudited) Portfolio At A Glance December 31, 2023

5 Largest Equity Holdings - (% of Net Assets)		Asset Allocation - (% of Net Assets)	
Microsoft Corp		Common Stocks	100.0%
Software	12.5%	Investments Purchased with Cash	
Apple Inc		Collateral from Securities Lending	0.1%
Technology Hardware, Storage & Peripherals	7.1%	Investment Companies	0.1%
NVIDIA Corp		Other	(0.2)%
Semiconductor & Semiconductor Equipment	6.4%		100.0%
Amazon.com Inc			
Multiline Retail	5.8%		
Alphabet Inc - Class C			
Interactive Media & Services	5.8%		
	37.6%		

#### Top Country Allocations - Long Positions - (% of Investment Securities)



## Janus Henderson VIT Research Portfolio (unaudited) Performance



Average Annual Total Return - for	Prospectus Expense Ratios				
	One Year	Five Year	Ten Year	Since Inception*	Total Annual Fund Operating Expenses <sup>‡</sup>
Institutional Shares	43.17%	16.83%	12.49%	9.42%	0.56%
Service Shares	42.81%	16.54%	12.21%	9.13%	0.81%
Russell 1000 Growth Index	42.68%	19.50%	14.86%	10.63%	
S&P 500 Index	26.29%	15.69%	12.03%	10.11%	
Core Growth Index	34.29%	17.63%	13.47%	10.41%	
Morningstar Quartile - Institutional					
Shares	2nd	2nd	2nd	3rd	
Morningstar Ranking - based on total					
returns for Large Growth Funds	320/1,212	353/1,096	449/1,012	228/359	

Returns quoted are past performance and do not guarantee future results; current performance may be lower or higher. Investment returns and principal value will vary; there may be a gain or loss when shares are sold. For the most recent month-end performance call 800.668.0434 or visit janushenderson.com/VITperformance.

This Portfolio has a performance-based management fee that may adjust up or down based on the Portfolio's performance.

Performance may be affected by risks that include those associated with foreign and emerging markets, fixed income securities, high-yield and high-risk securities, undervalued, overlooked and smaller capitalization companies, real estate related securities including Real Estate Investment Trusts (REITs), Environmental, Social and Governance (ESG) factors, non-diversification, portfolio turnover, derivatives, short sales, initial public offerings (IPOs) and potential conflicts of interest. Each product has different risks. Please see the prospectus for more information about risks, holdings and other details.

High absolute short-term performance is not typical and may not be achieved in the future. Such results should not be the sole basis for evaluating material facts in making an investment decision.

Returns do not reflect the deduction of fees, charges or expenses of any insurance product or qualified plan. If applied, returns would have been lower.

Returns include reinvestment of all dividends and distributions and do not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares. The returns do not include adjustments in accordance with generally accepted accounting principles required at the period end for financial reporting purposes.

Performance for Service Shares prior to December 31, 1999 reflects the performance of Institutional Shares, adjusted to reflect the expenses of Service Shares.

Ranking is for the share class shown only; other classes may have different performance characteristics.

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See important disclosures on the next page.

## Janus Henderson VIT Research Portfolio (unaudited) Performance

There is no assurance that the investment process will consistently lead to successful investing.

See Notes to Schedule of Investments and Other Information for index definitions.

Index performance does not reflect the expenses of managing a portfolio as an index is unmanaged.

See "Useful Information About Your Portfolio Report."

\*The Portfolio's inception date - September 13, 1993

‡ As stated in the prospectus. See Financial Highlights for actual expense ratios during the reporting period.

#### Janus Henderson VIT Research Portfolio (unaudited) **Expense Examples**

As a shareholder of the Portfolio, you incur two types of costs: (1) transaction costs and (2) ongoing costs, including management fees; 12b-1 distribution and shareholder servicing fees (applicable to Service Shares only); transfer agent fees and expenses payable pursuant to the Transfer Agency Agreement; and other Portfolio expenses. This example is intended to help you understand your ongoing costs (in dollars) of investing in the Portfolio and to compare these costs with the ongoing costs of investing in other mutual funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. The example is based upon an investment of \$1,000 invested at the beginning of the period and held for the sixmonths indicated, unless noted otherwise in the table and footnotes below.

#### Actual Expenses

The information in the table under the heading "Actual" provides information about actual account values and actual expenses. You may use the information in these columns, together with the amount you invested, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number in the appropriate column for your share class under the heading entitled "Expenses Paid During Period" to estimate the expenses you paid on your account during the period.

#### Hypothetical Example for Comparison Purposes

The information in the table under the heading "Hypothetical (5% return before expenses)" provides information about hypothetical account values and hypothetical expenses based upon the Portfolio's actual expense ratio and an assumed rate of return of 5% per year before expenses, which is not the Portfolio's actual return. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the Portfolio and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. Additionally, for an analysis of the fees associated with an investment in either share class or other similar funds, please visit www.finra.org/fundanalyzer.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transaction costs, such as any charges at the separate account level or contract level. These fees are fully described in the Portfolio's prospectuses. Therefore, the hypothetical examples are useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if these transaction costs were included, your costs would have been higher.

		Actu	al	(50			
	Beginning Account Value (7/1/23)	Ending Account Value (12/31/23)	Expenses Paid During Period (7/1/23 - 12/31/23)†	Beginning Account Value (7/1/23)	Ending Account Value (12/31/23)	Expenses Paid During Period (7/1/23 - 12/31/23)†	Net Annualized Expense Ratio (7/1/23 - 12/31/23)
Institutional							
Shares	\$1,000.00	\$1,111.20	\$3.03	\$1,000.00	\$1,022.33	\$2.91	0.57%
Service Shares	\$1,000.00	\$1,109.80	\$4.36	\$1,000.00	\$1,021.07	\$4.18	0.82%

<sup>†</sup>Expenses Paid During Period are equal to the Net Annualized Expense Ratio multiplied by the average account value over the period, multiplied by 184/365 (to reflect the one-half year period). Expenses in the examples include the effect of applicable fee waivers and/or expense reimbursements, if any. Had such waivers and/or reimbursements not been in effect, your expenses would have been higher. Please refer to the Notes to Financial Statements or the Portfolio's prospectuses for more information regarding waivers and/or reimbursements.

	Shares or Principal Amounts	Value
Common Stocks- 100.0%		
Aerospace & Defense – 1.6%	16.022	\$4,206,000
General Dynamics Corp	16,933	\$4,396,992
Howmet Aerospace Inc	98,816	5,347,922 9,744,914
Air Freight & Logistics – 0.5%		9,744,914
United Parcel Service Inc	20,314	3,193,970
Automobiles – 0.9%	-7-	-11-
Rivian Automotive Inc - Class A*	130,383	3,058,785
Tesla Inc*	10,169	2,526,793
Beverages – 2.0%		5,585,578
Constellation Brands Inc - Class A	23,080	5,579,590
Monster Beverage Corp	106,677	6,145,662
monotor Bovorago corp	100,017	11,725,252
Biotechnology – 2.6%		
AbbVie Inc	9,989	1,547,995
Amgen Inc	8,038	2,315,105
Argenx SE (ADR)*	3,929	1,494,709
Madrigal Pharmaceuticals Inc*	6,880	1,591,894
Sarepta Therapeutics Inc*	18,371	1,771,516
United Therapeutics Corp*	7,966	1,751,644
Vertex Pharmaceuticals Inc*	12,367	5,032,009 15,504,872
Capital Markets – 1.6%		
Ares Management Corp - Class A	13,901	1,653,107
Blackstone Group Inc	28,965	3,792,098
Charles Schwab Corp	24,727	1,701,218
LPL Financial Holdings Inc	9,478	2,157,382
Chemicals – 1.0%		9,303,805
Sherwin-Williams Co	18,497	5,769,214
Diversified Financial Services – 4.9%		-,,
Apollo Global Management Inc	28,626	2,667,657
Global Payments Inc	9,294	1,180,338
Mastercard Inc	28,683	12,233,586
Visa Inc	49,635	12,922,472
		29,004,053
Electronic Equipment, Instruments & Components – 0.3%	10.010	1 004 700
Keysight Technologies Inc*	10,213	1,624,786
Energy Equipment & Services – 0.2%	52,183	898,591
Atlas Energy Solutions Inc# Entertainment – 2.5%	52,165	090,091
Liberty Media Corp-Liberty Formula One - Series C*	100,654	6,354,287
Netflix Inc*	17,128	8,339,281
TACTILY IIIC	17,120	14,693,568
Health Care Equipment & Supplies - 1.9%		
Abbott Laboratories	22,563	2,483,509
Boston Scientific Corp*	31,686	1,831,768
Edwards Lifesciences Corp*	38,378	2,926,323
Intuitive Surgical Inc*	6,301	2,125,705
Stryker Corp	5,965	1,786,279
Health Care Providers & Services – 2.3%		11,153,584
HCA Healthcare Inc	6,592	1,784,323
UnitedHealth Group Inc	21,986	11,574,969
zzz. Joann Group mo	21,000	13,359,292
Hotels, Restaurants & Leisure – 3.7%		
Booking Holdings Inc*	2,739	9,715,836
Chipotle Mexican Grill Inc*	3,350	7,661,316

See Notes to Schedule of Investments and Other Information and Notes to Financial Statements.

	Shares or Principal Amounts	Value
Common Stocks- (continued) Hotels, Restaurants & Leisure- (continued) Las Vegas Sands Corp	91,169	\$4,486,427
Household Products – 1.7% Procter & Gamble Co	68,998	21,863,579 10,110,967
Information Technology Services – 0.1% Snowflake Inc - Class A*	3,502	696,898
Insurance – 1.1% Arthur J Gallagher & Co	7,791	1,752,040
Progressive Corp/The	28,033	4,465,096 6,217,136
Interactive Media & Services – 10.8% Alphabet Inc - Class C*	242,633	34,194,269
Meta Platforms Inc - Class A*	84,879	30,043,771 64,238,040
Life Sciences Tools & Services – 0.7% Danaher Corp	5,428	1,255,714
Thermo Fisher Scientific Inc	5,187	2,753,208 4,008,922
Machinery – 2.3% Deere & Co	22,820	9,125,033
Ingersoll Rand Inc	57,693	4,461,977 13,587,010
Multiline Retail – 5.8% Amazon.com Inc*	227,916	34,629,557
Oil, Gas & Consumable Fuels – 0.3% EOG Resources Inc	12,888	1,558,804
Pharmaceuticals – 3.3% AstraZeneca PLC (ADR)	30,135	2,029,592
Eli Lilly & Co Merck & Co Inc Novo Nordisk A/S (ADR)	15,736 34,061 23,487	9,172,829 3,713,330
Zoetis Inc	10,795	2,429,730 2,130,609 19,476,090
Real Estate Management & Development – 0.6% CoStar Group Inc*	42,806	3,740,816
Road & Rail – 2.0%  JB Hunt Transport Services Inc	16,191	3,233,990
TFI International Inc Uber Technologies Inc*	30,668 70,871	4,170,235 4,363,527
Semiconductor & Semiconductor Equipment – 13.5%	70,011	11,767,752
Advanced Micro Devices Inc* ASML Holding NV	62,893 8,046	9,271,057 6,090,178
Broadcom Inc KLA Corp	4,703 9,631	5,249,724 5,598,500
Lam Research Corp Lattice Semiconductor Corp*	11,352 10,677	8,891,568 736,606
Marvell Technology Inc NVIDIA Corp	21,244 77,096	1,281,226 38,179,481
ON Semiconductor Corp* Texas Instruments Inc	32,145 13,089	2,685,072 2,231,151 80,214,563
Software – 20.6% Adobe Inc*	19,381	11,562,705
Adube inc Atlassian Corp - Class A* Cadence Design Systems Inc*	3,170 26,520	754,016 7,223,252
Dynatrace Inc* Microsoft Corp	21,224 197,016	1,160,741 74,085,897

See Notes to Schedule of Investments and Other Information and Notes to Financial Statements.

	Shares or Principal Amounts	Value
Common Stocks- (continued)		
Software– (continued)		
Palo Alto Networks Inc*	23,506	\$6,931,449
ServiceNow Inc*	5,960	4,210,680
Synopsys Inc*	13,578	6,991,448
Tyler Technologies Inc*	3,726	1,557,915
Workday Inc - Class A*	27,635	7,628,918
,		122,107,021
Specialty Retail – 2.5%		
O'Reilly Automotive Inc*	6,910	6,565,053
TJX Cos Inc	90,539	8,493,464
		15,058,517
Technology Hardware, Storage & Peripherals – 7.1%		
Apple Inc	219,130	42,189,099
Trading Companies & Distributors – 0.8%		
Ferguson PLC	24,316	4,694,690
Wireless Telecommunication Services – 0.8%		
T-Mobile US Inc	29,780	4,774,627
Total Common Stocks (cost \$293,458,201)		592,495,567
Investment Companies - 0.1%		
Money Markets - 0.1%		
Janus Henderson Cash Liquidity Fund LLC, 5.3879%°, (cost \$371,226)	371,152	371,226
Investments Purchased with Cash Collateral from Securities Lending – 0.1%	·	
Investment Companies – 0.1%		
Janus Henderson Cash Collateral Fund LLC, 5.2936% 5.2936%	495,940	495,940
Time Deposits – 0%	100,010	.00,0 .0
Royal Bank of Canada, 5.3100%, 1/2/24	\$123,985	123,985
Total Investments Purchased with Cash Collateral from Securities Lending (cost \$6		619.925
Total Investments (total cost \$294,449,352) – 100.2%	•	593,486,718
Liabilities, net of Cash, Receivables and Other Assets – (0.2)%		(1,046,006)
Net Assets – 100%		\$592,440,712
10070		ΨΟΟΖ, ΤΤΟ, 112

#### Summary of Investments by Country - (Long Positions) (unaudited)

Country	Value	% of Investment Securities
United States	\$577,272,274	97.3 %
Netherlands	6,090,178	1.0
Canada	4,170,235	0.7
Denmark	2,429,730	0.4
United Kingdom	2,029,592	0.3
Belgium	1,494,709	0.3
Total	\$593,486,718	100.0 %

#### Schedules of Affiliated Investments - (% of Net Assets)

		Dividend Income		Realized Gain/(Loss)	Change in Unrealized Appreciation/ Depreciation	Value at 12/31/23
Investment Companies - 0.1% Money Markets - 0.1%						
Janus Henderson Cash Liquidity Fund LLC, 5.3879‰°	\$	18,101	\$	(42)	\$ -	\$ 371,226
Investments Purchased with Cash Collateral fr Investment Companies - 0.1%	om Securitie	es Lending - 0.1%	6			
Janus Henderson Cash Collateral Fund LLC, 5.2936%°°		2,634△		-	-	495,940
Total Affiliated Investments - 0.2%	\$	20,735	\$	(42)	\$ -	\$ 867,166

	Value at 12/31/22	Purchases	Sales Proceeds	Value at 12/31/23
Investment Companies - 0.1% Money Markets - 0.1%				
Janus Henderson Cash Liquidity Fund LLC, 5.3879‰	-	28,533,389	(28,162,121)	371,226
Investments Purchased with Cash Collateral from Securitie Investment Companies - 0.1%	es Lending - 0.1%			
Janus Henderson Cash Collateral Fund LLC, 5.2936% <sup>®</sup>	-	22,221,202	(21,725,262)	495,940

#### Offsetting of Financial Assets and Derivative Assets

	Gross Amounts of Recognized	Offsetting Asset	Collateral	
Counterparty	Assets	or Liability <sup>(a)</sup>	Pledged <sup>(b)</sup>	Net Amount
JPMorgan Chase Bank, National Association	\$ 606,540	\$ _	\$ (606,540) \$	_

<sup>(</sup>a) Represents the amount of assets or liabilities that could be offset with the same counterparty under master netting or similar agreements that management elects not to offset on the Statement of Assets and Liabilities.

<sup>(</sup>b) Collateral pledged is limited to the net outstanding amount due to/from an individual counterparty. The actual collateral amounts pledged may exceed these amounts and may fluctuate in value.

#### Notes to Schedule of Investments and Other Information

Russell 1000® Growth Index Russell 1000® Growth Index reflects the performance of U.S. large-cap equities with higher price-to-book

ratios and higher forecasted growth values.

S&P 500® Index S&P 500® Index reflects U.S. large-cap equity performance and represents broad U.S. equity market

performance.

Core Growth Index Core Growth Index is an internally calculated, hypothetical combination of total returns from the Russell 1000®

Growth Index (50%) and the S&P 500® Index (50%).

ADR American Depositary Receipt

LLC Limited Liability Company

PLC Public Limited Company

\* Non-income producing security.

- oo Rate shown is the 7-day yield as of December 31, 2023.
- # Loaned security; a portion of the security is on loan at December 31, 2023.
- The Portfolio may invest in certain securities that are considered affiliated companies. As defined by the Investment Company Act of 1940, as amended, an affiliated company is one in which the Portfolio owns 5% or more of the outstanding voting securities, or a company which is under common ownership or control.
- Δ Net of income paid to the securities lending agent and rebates paid to the borrowing counterparties.

The following is a summary of the inputs that were used to value the Portfolio's investments in securities and other financial instruments as of December 31, 2023. See Notes to Financial Statements for more information.

#### **Valuation Inputs Summary**

	Level 1 - Quoted Prices	Level 2 - Other Significant Observable Inputs	Level 3 Significar Unobservable Input	nt
Assets				
Investments In Securities:				
Common Stocks	\$ 592,495,567	\$ -	\$	-
Investment Companies	-	371,226		-
Investments Purchased with Cash Collateral from Securities				
Lending	-	619,925		-
Total Assets	\$ 592,495,567	\$ 991,151	\$	Ξ

#### **Janus Henderson VIT Research Portfolio Statement of Assets and Liabilities December 31, 2023**

Assets:	
Unaffiliated investments, at value (cost \$293,582,186)(1)	\$ 592,619,552
Affiliated investments, at value (cost \$867,166)	867,166
Trustees' deferred compensation	16,259
Receivables:	
Dividends	120,385
Foreign tax reclaims	18,279
Portfolio shares sold	7,246
Dividends from affiliates	6,555
Other assets	5,820
Total Assets	593,661,262
Liabilities:	
Collateral for securities loaned (Note 2)	619,925
Payables:	
Advisory fees	255,391
Portfolio shares repurchased	189,374
Professional fees	48,945
12b-1 Distribution and shareholder servicing fees	33,691
Transfer agent fees and expenses	26,736
Trustees' deferred compensation fees	16,259
Affiliated portfolio administration fees payable	1,278
Custodian fees	1,058
Trustees' fees and expenses	470
Accrued expenses and other payables	27,423
Total Liabilities	1,220,550
Net Assets	\$ 592,440,712
Net Assets Consist of:	
Capital (par value and paid-in surplus)	\$ 275,122,111
Total distributable earnings (loss)	317,318,601
Total Net Assets	\$ 592,440,712
Net Assets - Institutional Shares	\$ 436,336,490
Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)	9,664,573
Net Asset Value Per Share	\$ 45.15
Net Assets - Service Shares	\$ 156,104,222
Shares Outstanding, \$0.001 Par Value (unlimited shares authorized)	3,625,402
Net Asset Value Per Share	\$ 43.06

See Notes to Financial Statements.

<sup>(1)</sup> Includes \$606,540 of securities on loan. See Note 2 in Notes to Financial Statements.

# Statement of Operations For the year ended December 31, 2023

Investment Income:	
Dividends	\$ 3,845,381
Dividends from affiliates	18,101
Affiliated securities lending income, net	2,634
Unaffiliated securities lending income, net	850
Other income	1,560
Foreign tax withheld	(31,844)
Total Investment Income	3,836,682
Expenses:	
Advisory fees	2,499,230
12b-1 Distribution and shareholder servicing fees:	
Service Shares	343,668
Transfer agent administrative fees and expenses:	
Institutional Shares	194,539
Service Shares	68,746
Other transfer agent fees and expenses:	
Institutional Shares	7,372
Service Shares	1,753
Professional fees	68,687
Shareholder reports expense	20,843
Registration fees	18,209
Affiliated portfolio administration fees	16,747
Custodian fees	15,899
Trustees' fees and expenses	12,120
Other expenses	60,470
Total Expenses	3,328,283
Net Investment Income/(Loss)	508,399
Net Realized Gain/(Loss) on Investments:	
Investments and foreign currency transactions	27,042,260
Investments in affiliates	(42)
Total Net Realized Gain/(Loss) on Investments	27,042,218
Change in Unrealized Net Appreciation/Depreciation:	
Investments, foreign currency translations and Trustees' deferred compensation	158,899,374
Total Change in Unrealized Net Appreciation/Depreciation	158,899,374
Net Increase/(Decrease) in Net Assets Resulting from Operations	\$ 186,449,991

#### **Janus Henderson VIT Research Portfolio Statements of Changes in Net Assets**

	Year ended December 31, 2023	Year ended December 31, 2022
Operations:	,	,
Net investment income/(loss)	\$ 508,399	\$ 912,204
Net realized gain/(loss) on investments	27,042,218	(7,477,293)
Change in unrealized net appreciation/depreciation	158,899,374	(199,308,093)
Net Increase/(Decrease) in Net Assets Resulting from Operations	186,449,991	(205,873,182)
Dividends and Distributions to Shareholders:		
Institutional Shares	(561,306)	(70,400,164)
Service Shares	(84,691)	(25,045,507)
Net Decrease from Dividends and Distributions to Shareholders	(645,997)	(95,445,671)
Capital Share Transactions:		
Institutional Shares	(36,035,890)	37,409,779
Service Shares	(9,640,952)	11,902,394
Net Increase/(Decrease) from Capital Share Transactions	(45,676,842)	49,312,173
Net Increase/(Decrease) in Net Assets	140,127,152	(252,006,680)
Net Assets:		
Beginning of period	452,313,560	704,320,240
End of period	\$ 592,440,712	\$ 452,313,560

## **Janus Henderson VIT Research Portfolio** Financial Highlights

#### Institutional Shares

For a share outstanding during the year ended December 31	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$31.58	\$56.31	\$49.35	\$40.79	\$33.70
Income/(Loss) from Investment Operations:					
Net investment income/(loss)(1)	0.06	0.09	(0.01)	0.14	0.21
Net realized and unrealized gain/(loss)	13.57	(16.93)	9.73	12.20	11.26
Total from Investment Operations	13.63	(16.84)	9.72	12.34	11.47
Less Dividends and Distributions:					
Dividends (from net investment income)	(0.06)	(0.06)	(0.05)	(0.18)	(0.18)
Distributions (from capital gains)	_	(7.83)	(2.71)	(3.60)	(4.20)
Total Dividends and Distributions	(0.06)	(7.89)	(2.76)	(3.78)	(4.38)
Net Asset Value, End of Period	\$45.15	\$31.58	\$56.31	\$49.35	\$40.79
Total Return*	43.17%	(29.89)%	20.33%	32.95%	35.52%
Net Assets, End of Period (in thousands)	\$436,336	\$334,877	\$519,679	\$474,525	\$398,888
Average Net Assets for the Period (in thousands)	\$389,723	\$389,504	\$496,858	\$414,413	\$374,004
Ratios to Average Net Assets**:					
Ratio of Gross Expenses	0.57%	0.56%	0.60%	0.60%	0.59%
Ratio of Net Expenses (After Waivers and Expense Offsets)	0.57%	0.56%	0.60%	0.60%	0.59%
Ratio of Net Investment Income/(Loss)	0.16%	0.24%	(0.01)%	0.33%	0.55%
Portfolio Turnover Rate	27%	30%	33%	33%	38%

See Notes to Financial Statements.

<sup>\*</sup> Total return includes adjustments in accordance with generally accepted accounting principles required at the year or period end and are not annualized for periods of less than one full year. Total return does not include fees, charges, or expenses imposed by the variable annuity and life insurance contracts for which Janus Aspen Series serves as an underlying investment vehicle.

<sup>\*\*</sup> Annualized for periods of less than one full year.

<sup>(1)</sup> Per share amounts are calculated based on average shares outstanding during the year or period.

# **Janus Henderson VIT Research Portfolio Financial Highlights**

### Service Shares

For a share outstanding during the year ended December 31	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$30.17	\$54.34	\$47.78	\$39.64	\$32.87
Income/(Loss) from Investment Operations:					
Net investment income/(loss) <sup>(1)</sup>	(0.03)	(2)	(0.13)	0.03	0.11
Net realized and unrealized gain/(loss)	12.94	(16.34)	9.41	11.80	10.98
Total from Investment Operations	12.91	(16.34)	9.28	11.83	11.09
Less Dividends and Distributions:					
Dividends (from net investment income)	(0.02)	_	(0.01)	(0.09)	(0.12)
Distributions (from capital gains)	_	(7.83)	(2.71)	(3.60)	(4.20)
Total Dividends and Distributions	(0.02)	(7.83)	(2.72)	(3.69)	(4.32)
Net Asset Value, End of Period	\$43.06	\$30.17	\$54.34	\$47.78	\$39.64
Total Return*	42.81%	(30.06)%	20.05%	32.58%	35.22%
Net Assets, End of Period (in thousands)	\$156,104	\$117,437	\$184,641	\$172,198	\$150,614
Average Net Assets for the Period (in thousands)	\$137,706	\$136,703	\$178,748	\$151,973	\$141,550
Ratios to Average Net Assets**:					
Ratio of Gross Expenses	0.82%	0.81%	0.85%	0.85%	0.84%
Ratio of Net Expenses (After Waivers and Expense Offsets)	0.82%	0.81%	0.85%	0.85%	0.84%
Ratio of Net Investment Income/(Loss)	(0.09)%	(0.01)%	(0.26)%	0.08%	0.30%
Portfolio Turnover Rate	27%	30%	33%	33%	38%

See Notes to Financial Statements.

Total return includes adjustments in accordance with generally accepted accounting principles required at the year or period end and are not annualized for periods of less than one full year. Total return does not include fees, charges, or expenses imposed by the variable annuity and life insurance contracts for which Janus Aspen Series serves as an underlying investment vehicle.

Annualized for periods of less than one full year.

<sup>(1)</sup> Per share amounts are calculated based on average shares outstanding during the year or period.

<sup>(2)</sup> Less than \$0.005 on a per share basis.

### 1. Organization and Significant Accounting Policies

Janus Henderson VIT Research Portfolio (the "Portfolio") is a series of Janus Aspen Series (the "Trust"), which is organized as a Delaware statutory trust and is registered under the Investment Company Act of 1940, as amended (the "1940 Act"), as an open-end management investment company, and therefore has applied the specialized accounting and reporting guidance in Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") Topic 946. The Trust offers 10 portfolios, each of which offers multiple share classes, with differing investment objectives and policies. The Portfolio seeks long-term growth of capital. The Portfolio is classified as diversified, as defined in the 1940 Act. Janus Henderson Investors US LLC is the investment adviser (the "Adviser") to the Portfolio.

The Portfolio currently offers two classes of shares: Institutional Shares and Service Shares. Each class represents an interest in the same portfolio of investments. Institutional Shares are offered only in connection with investment in and payments under variable insurance contracts as well as certain qualified retirement plans. Service Shares are offered only in connection with investment in and payments under variable insurance contracts as well as certain qualified retirement plans that require a fee from Portfolio assets to procure distribution and administrative services to contract owners and plan participants.

Shareholders, including participating insurance companies, as well as accounts, may from time to time own (beneficially or of record) a significant percentage of the Portfolio's Shares and can be considered to "control" the Portfolio when that ownership exceeds 25% of the Portfolio's assets (and which may differ from control as determined in accordance with United States of America generally accepted accounting principles ("US GAAP")).

The following accounting policies have been followed by the Portfolio and are in conformity with US GAAP.

#### **Investment Valuation**

Portfolio holdings are valued in accordance with policies and procedures established by the Adviser pursuant to Rule 2a-5 under the 1940 Act and approved by and subject to the oversight of the Trustees (the "Valuation Procedures"). Equity securities traded on a domestic securities exchange are generally valued at readily available market quotations, which are (i) the official close prices or (ii) last sale prices on the primary market or exchange in which the securities trade. If such price is lacking for the trading period immediately preceding the time of determination, such securities are generally valued at their current bid price. Equity securities that are traded on a foreign exchange are generally valued at the closing prices on such markets. In the event that there is no current trading volume on a particular security in such foreign exchange, the bid price from the primary exchange is generally used to value the security. Foreign securities and currencies are converted to U.S. dollars using the current spot USD dollar exchange rate in effect at the close of the New York Stock Exchange ("NYSE"). The Adviser will determine the market value of individual securities held by it by using prices provided by one or more Adviser-approved professional pricing services or, as needed, by obtaining market quotations from independent broker-dealers. Most debt securities are valued in accordance with the evaluated bid price supplied by the pricing service that is intended to reflect market value. The evaluated bid price supplied by the pricing service is an evaluation that may consider factors such as security prices, yields, maturities and ratings. Certain short-term securities maturing within 60 days or less may be evaluated and valued on an amortized cost basis provided that the amortized cost determined approximates market value. Securities for which market quotations or evaluated prices are not readily available or deemed unreliable are valued at fair value determined in good faith by the Adviser pursuant to the Valuation Procedures. Circumstances in which fair valuation may be utilized include, but are not limited to: (i) a significant event that may affect the securities of a single issuer, such as a merger, bankruptcy, or significant issuer-specific development; (ii) an event that may affect an entire market, such as a natural disaster or significant governmental action; (iii) a nonsignificant event such as a market closing early or not opening, or a security trading halt; and (iv) pricing of a nonvalued security and a restricted or nonpublic security. Special valuation considerations may apply with respect to "odd-lot" fixed-income transactions which, due to their small size, may receive evaluated prices by pricing services which reflect a large block trade and not what actually could be obtained for the odd-lot position. The value of the securities of other mutual funds held by the Portfolio, if any, will be calculated using the NAV of such mutual funds, and the prospectuses for such mutual funds explain the circumstances under which they use fair valuation and the effects of using fair valuation. The value of the securities of any cash management pooled investment vehicles that operate as money market funds held by the Portfolio, if any, will be calculated using the NAV of such funds.

### **Valuation Inputs Summary**

FASB ASC 820, Fair Value Measurements and Disclosures ("ASC 820"), defines fair value, establishes a framework for measuring fair value, and expands disclosure requirements regarding fair value measurements. This standard emphasizes that fair value is a market-based measurement that should be determined based on the assumptions that market participants would use in pricing an asset or liability and establishes a hierarchy that prioritizes inputs to valuation techniques used to measure fair value. These inputs are summarized into three broad levels:

Level 1 - Unadjusted quoted prices in active markets the Portfolio has the ability to access for identical assets or liabilities.

Level 2 - Observable inputs other than unadjusted quoted prices included in Level 1 that are observable for the asset or liability either directly or indirectly. These inputs may include quoted prices for the identical instrument on an inactive market, prices for similar instruments, interest rates, prepayment speeds, credit risk, yield curves, default rates and similar data.

Assets or liabilities categorized as Level 2 in the hierarchy generally include: debt securities fair valued in accordance with the evaluated bid or ask prices supplied by a pricing service; securities traded on OTC markets and listed securities for which no sales are reported that are fair valued at the latest bid price (or yield equivalent thereof) obtained from one or more dealers transacting in a market for such securities or by a pricing service approved by the Portfolio's Trustees; certain short-term debt securities with maturities of 60 days or less that are fair valued at amortized cost; and equity securities of foreign issuers whose fair value is determined by using systematic fair valuation models provided by independent third parties in order to adjust for stale pricing which may occur between the close of certain foreign exchanges and the close of the NYSE. Other securities that may be categorized as Level 2 in the hierarchy include, but are not limited to, preferred stocks, bank loans, swaps, investments in unregistered investment companies, options, and forward contracts.

Level 3 - Unobservable inputs for the asset or liability to the extent that relevant observable inputs are not available, representing the Portfolio's own assumptions about the assumptions that a market participant would use in valuing the asset or liability, and that would be based on the best information available.

There have been no significant changes in valuation techniques used in valuing any such positions held by the Portfolio since the beginning of the fiscal year.

The inputs or methodology used for fair valuing securities are not necessarily an indication of the risk associated with investing in those securities. The summary of inputs used as of December 31, 2023 to fair value the Portfolio's investments in securities and other financial instruments is included in the "Valuation Inputs Summary" in the Notes to Schedule of Investments and Other Information.

### **Investment Transactions and Investment Income**

Investment transactions are accounted for as of the date purchased or sold (trade date). Dividend income is recorded on the ex-dividend date. Certain dividends from foreign securities will be recorded as soon as the Portfolio is informed of the dividend, if such information is obtained subsequent to the ex-dividend date. Dividends from foreign securities may be subject to withholding taxes in foreign jurisdictions. Non-cash dividends, if any, are recorded on the ex-dividend date at fair value. Interest income is recorded daily on the accrual basis and includes amortization of premiums and accretion of discounts. The Portfolio classifies gains and losses on prepayments received as an adjustment to interest income. Debt securities may be placed in non-accrual status and related interest income may be reduced by stopping current accruals and writing off interest receivables when collection of all or a portion of interest has become doubtful. Gains and losses are determined on the identified cost basis, which is the same basis used for federal income tax purposes. Income, as well as gains and losses, both realized and unrealized, are allocated daily to each class of shares based upon the ratio of net assets represented by each class as a percentage of total net assets.

The Portfolio bears expenses incurred specifically on its behalf. Each class of shares bears a portion of general expenses, which are allocated daily to each class of shares based upon the ratio of net assets represented by each class as a percentage of total net assets. Expenses directly attributable to a specific class of shares are charged against the operations of such class.

### **Notes to Financial Statements**

#### **Estimates**

The preparation of financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amount of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of income and expenses during the reporting period. Actual results could differ from those estimates.

#### Indemnifications

In the normal course of business, the Portfolio may enter into contracts that contain provisions for indemnification of other parties against certain potential liabilities. The Portfolio's maximum exposure under these arrangements is unknown, and would involve future claims that may be made against the Portfolio that have not yet occurred. Currently, the risk of material loss from such claims is considered remote.

### **Foreign Currency Translations**

The Portfolio does not isolate that portion of the results of operations resulting from the effect of changes in foreign exchange rates on investments from the fluctuations arising from changes in market prices of securities held at the date of the financial statements. Net unrealized appreciation or depreciation of investments and foreign currency translations arise from changes in the value of assets and liabilities, including investments in securities held at the date of the financial statements, resulting from changes in the exchange rates and changes in market prices of securities held.

Currency gains and losses are also calculated on payables and receivables that are denominated in foreign currencies. The payables and receivables are generally related to foreign security transactions and income translations.

Foreign currency-denominated assets and forward currency contracts may involve more risks than domestic transactions, including currency risk, counterparty risk, political and economic risk, regulatory risk and equity risk. Risks may arise from unanticipated movements in the value of foreign currencies relative to the U.S. dollar.

#### **Dividends and Distributions**

The Portfolio may make semiannual distributions of substantially all of its investment income and an annual distribution of its net realized capital gains (if any).

The Portfolio may make certain investments in real estate investment trusts ("REITs") which pay dividends to their shareholders based upon funds available from operations. It is quite common for these dividends to exceed the REITs' taxable earnings and profits, resulting in the excess portion of such dividends being designated as a return of capital. If the Portfolio distributes such amounts, such distributions could constitute a return of capital to shareholders for federal income tax purposes.

### **Federal Income Taxes**

The Portfolio intends to continue to qualify as a regulated investment company and distribute all of its taxable income in accordance with the requirements of Subchapter M of the Internal Revenue Code. Management has analyzed the Portfolio's tax positions taken for all open federal income tax years, generally a three-year period, and has concluded that no provision for federal income tax is required in the Portfolio's financial statements. The Portfolio is not aware of any tax positions for which it is reasonably possible that the total amounts of unrecognized tax benefits will significantly change in the next twelve months.

### 2. Other Investments and Strategies

#### **Market Risk**

The value of the Portfolio's portfolio may decrease if the value of one or more issuers in the Portfolio's portfolio decreases. Further, regardless of how well individual companies or securities perform, the value of the Portfolio's portfolio could also decrease if there are deteriorating economic or market conditions, including, but not limited to, a general decline in prices on the stock markets, a general decline in real estate markets, a decline in commodities prices, or if the market favors different types of securities than the types of securities in which the Portfolio invests. If the value of the Portfolio's portfolio decreases, the Portfolio's NAV will also decrease, which means if you sell your shares in the Portfolio you may lose money. Market risk may affect a single issuer, industry, economic sector, or the market as a whole. The increasing interconnectivity between global economies and financial markets increases the likelihood that events or conditions in one region or financial market may adversely impact issuers in a different country, region or financial market. Social, political, economic and other conditions and events, such as natural disasters, health emergencies (e.g., epidemics and pandemics), terrorism, war, conflicts, including related sanctions, social unrest,

financial institution failures, and economic recessions could reduce consumer demand or economic output, result in market closures, travel restrictions and/or quarantines, and generally have a significant impact on the global economies and financial markets.

- COVID-19 Pandemic. The effects of COVID-19 have contributed to increased volatility in global financial markets and have affected and may continue to affect certain countries, regions, issuers, industries and market sectors more dramatically than others. These conditions and events could have a significant impact on the Portfolio and its investments, the Portfolio's ability to meet redemption requests, and the processes and operations of the Portfolio's service providers, including the Adviser.
- Armed Conflict. Recent such examples include conflict, loss of life, and disaster connected to ongoing armed conflict. between Russia and Ukraine in Europe and Hamas and Israel in the Middle East. The extent and duration of each conflict, resulting sanctions and resulting future market disruptions in each region are impossible to predict, but could be significant and have a severe adverse effect, including significant negative impacts on the U.S. and broader global economic environment and the markets for certain securities and commodities.

### Counterparties

Portfolio transactions involving a counterparty are subject to the risk that the counterparty or a third party will not fulfill its obligation to the Portfolio ("counterparty risk"). Counterparty risk may arise because of the counterparty's financial condition (i.e., financial difficulties, bankruptcy, or insolvency), market activities and developments, or other reasons, whether foreseen or not. A counterparty's inability to fulfill its obligation may result in significant financial loss to the Portfolio. The Portfolio may be unable to recover its investment from the counterparty or may obtain a limited recovery, and/or recovery may be delayed. The extent of the Portfolio's exposure to counterparty risk with respect to financial assets and liabilities approximates its carrying value. See the "Offsetting Assets and Liabilities" section of this Note for further details.

The Portfolio may be exposed to counterparty risk through participation in various programs, including, but not limited to, lending its securities to third parties, cash sweep arrangements whereby the Portfolio's cash balance is invested in one or more types of cash management vehicles, as well as investments in, but not limited to, repurchase agreements, debt securities, and derivatives, including various types of swaps, futures and options. The Portfolio intends to enter into financial transactions with counterparties that the Adviser believes to be creditworthy at the time of the transaction. There is always the risk that the Adviser's analysis of a counterparty's creditworthiness is incorrect or may change due to market conditions. To the extent that the Portfolio focuses its transactions with a limited number of counterparties, it will have greater exposure to the risks associated with one or more counterparties.

#### **Securities Lending**

Under procedures adopted by the Trustees, the Portfolio may seek to earn additional income by lending securities to certain qualified broker-dealers and institutions. JPMorgan Chase Bank, National Association acts as securities lending agent and a limited purpose custodian or subcustodian to receive and disburse cash balances and cash collateral, hold short-term investments, hold collateral, and perform other custodial functions in accordance with the Non-Custodial Securities Lending Agreement. For financial reporting purposes, the Portfolio does not offset financial instruments' payables and receivables and related collateral on the Statement of Assets and Liabilities. The Portfolio may lend portfolio securities in an amount equal to up to 1/3 of its total assets as determined at the time of the loan origination. There is the risk of delay in recovering a loaned security or the risk of loss in collateral rights if the borrower fails financially. In addition, the Adviser makes efforts to balance the benefits and risks from granting such loans. All loans will be continuously secured by collateral which may consist of cash, U.S. Government securities, domestic and foreign short-term debt instruments, letters of credit, time deposits, repurchase agreements, money market mutual funds or other money market accounts, or such other collateral as permitted by the SEC. If the Portfolio is unable to recover a security on loan, the Portfolio may use the collateral to purchase replacement securities in the market. There is a risk that the value of the collateral could decrease below the cost of the replacement security by the time the replacement investment is made, resulting in a loss to the Portfolio. In certain circumstances individual loan transactions could yield negative returns.

Upon receipt of cash collateral, the Adviser may invest it in affiliated or non-affiliated cash management vehicles, whether registered or unregistered entities, as permitted by the 1940 Act and rules promulgated thereunder. The Adviser currently intends to primarily invest the cash collateral in a cash management vehicle for which the Adviser serves as investment adviser, Janus Henderson Cash Collateral Fund LLC, or in time deposits. An investment in Janus

Henderson Cash Collateral Fund LLC is generally subject to the same risks that shareholders experience when investing in similarly structured vehicles, such as the potential for significant fluctuations in assets as a result of the purchase and redemption activity of the securities lending program, a decline in the value of the collateral, and possible liquidity issues. Such risks may delay the return of the cash collateral and cause the Portfolio to violate its agreement to return the cash collateral to a borrower in a timely manner. As adviser to the Portfolio and Janus Henderson Cash Collateral Fund LLC, the Adviser has an inherent conflict of interest as a result of its fiduciary duties to both the Portfolio and Janus Henderson Cash Collateral Fund LLC. Additionally, the Adviser receives an investment advisory fee of 0.05% for managing Janus Henderson Cash Collateral Fund LLC, but it may not receive a fee for managing certain other affiliated cash management vehicles in which the Portfolio may invest, and therefore may have an incentive to allocate preferred investment opportunities to investment vehicles for which it is receiving a fee.

The value of the collateral must be at least 102% of the market value of the loaned securities that are denominated in U.S. dollars and 105% of the market value of the loaned securities that are not denominated in U.S. dollars. Loaned securities and related collateral are marked-to-market each business day based upon the market value of the loaned securities at the close of business, employing the most recent available pricing information. Collateral levels are then adjusted based on this mark-to-market evaluation. Additional required collateral, or excess collateral returned, is delivered on the next business day. Therefore, the value of the collateral held may be temporarily less than 102% or 105% value of the securities on loan. The cash collateral invested by the Adviser is disclosed in the Schedule of Investments (if applicable).

Income earned from the investment of the cash collateral, net of rebates paid to, or fees paid by, borrowers and less the fees paid to the lending agent are included as "Affiliated securities lending income, net" on the Statement of Operations. As of December 31, 2023, securities lending transactions accounted for as secured borrowings with an overnight and continuous contractual maturity are \$606,540. Gross amounts of recognized liabilities for securities lending (collateral received) as of December 31, 2023 is \$619,925, resulting in the net amount due to the counterparty of \$13,385.

#### Offsetting Assets and Liabilities

The Portfolio presents gross and net information about transactions that are either offset in the financial statements or subject to an enforceable master netting arrangement or similar agreement with a designated counterparty, regardless of whether the transactions are actually offset in the Statement of Assets and Liabilities.

The Offsetting Assets and Liabilities table located in the Schedule of Investments presents gross amounts of recognized assets and/or liabilities and the net amounts after deducting collateral that has been pledged by counterparties or has been pledged to counterparties (if applicable). For corresponding information grouped by type of instrument, see the Portfolio's Schedule of Investments.

### 3. Investment Advisory Agreements and Other Transactions with Affiliates

The Portfolio pays the Adviser an investment advisory fee rate that may adjust up or down based on the Portfolio's performance relative to its benchmark index.

The investment advisory fee rate paid to the Adviser by the Portfolio consists of two components: (1) a base fee calculated by applying the contractual fixed rate of the advisory fee to the Portfolio's average daily net assets during the previous month (the "Base Fee Rate"), plus or minus (2) a performance-fee adjustment (the "Performance Adjustment") calculated by applying a variable rate of up to 0.15% (positive or negative) to the Portfolio's average daily net assets based on the Portfolio's relative performance compared to the cumulative investment record of its benchmark index over a 36-month performance measurement period or shorter time period, as applicable. The investment advisory fee rate is calculated daily and paid monthly.

The investment performance of the Portfolio's Service Shares for the performance measurement period is used to calculate the Performance Adjustment. The Portfolio's Base Fee Rate prior to any performance adjustment (expressed as an annual rate) is 0.64%, and the Portfolio's benchmark index used in the calculation is the Russell 1000® Growth Index. Effective May 1, 2020, the Core Growth Index was eliminated from the Performance Adjustment calculation for the Portfolio.

No Performance Adjustment is applied unless the difference between the Portfolio's investment performance and the cumulative investment record of the Portfolio's benchmark index is 0.50% or greater (positive or negative) during the applicable performance measurement period. The Base Fee Rate is subject to an upward or downward Performance Adjustment for every full 0.50% increment by which the Portfolio outperforms or underperforms its benchmark index,

up to the Portfolio's full performance rate of ±5.00%. Because the Performance Adjustment is tied to a Portfolio's relative performance compared to its benchmark index (and not its absolute performance), the Performance Adjustment could increase the Adviser's fee even if the Portfolio's Shares lose value during the performance measurement period and could decrease the Adviser's fee even if the Portfolio's Shares increase in value during the performance measurement period. For purposes of computing the Base Fee Rate and the Performance Adjustment, net assets are averaged over different periods (average daily net assets during the previous month for the Base Fee Rate, versus average daily net assets during the performance measurement period for the Performance Adjustment). Performance of the Portfolio is calculated net of expenses whereas the Portfolio's benchmark index does not have any fees or expenses. Reinvestment of dividends and distributions is included in calculating both the performance of a Portfolio and the Portfolio's benchmark index.

The Portfolio's prospectuses and statement(s) of additional information contain additional information about performance-based fees. The amount shown as advisory fees on the Statement of Operations reflects the Base Fee Rate plus/minus any Performance Adjustment. For the year ended December 31, 2023, the performance adjusted investment advisory fee rate before any waivers and/or reimbursements of expenses is 0.47%.

The Adviser serves as administrator to the Portfolio pursuant to an administration agreement between the Adviser and the Trust. Under the administration agreement, the Adviser is authorized to perform, or cause others to perform certain administration, compliance, and accounting services to the Portfolio, including providing office space for the Portfolio, and is reimbursed by the Portfolio for certain of its costs in providing these services (to the extent the Adviser seeks reimbursement and such costs are not otherwise waived). In addition, employees of the Adviser and/or its affiliates may serve as officers of the Trust. The Portfolio pays for some or all of the salaries, fees, and expenses of the Adviser employees and Portfolio officers, with respect to certain specified administration functions they perform on behalf of the Portfolio. The Portfolio pays these costs based on out-of-pocket expenses incurred by the Adviser, and these costs are separate and apart from advisory fees and other expenses paid in connection with the investment advisory services the Adviser (or any subadvisor, as applicable) provides to the Portfolio. These amounts are disclosed as "Affiliated portfolio administration fees" on the Statement of Operations. In addition, some expenses related to compensation payable to the Portfolio's Chief Compliance Officer and certain compliance staff, all of whom are employees of the Adviser and/or its affiliates, are shared with the Portfolio. Total compensation of \$31,482 was paid to the Chief Compliance Officer and certain compliance staff by the Trust during the year ended December 31, 2023. The Portfolio's portion is reported as part of "Other expenses" on the Statement of Operations.

Janus Henderson Services US LLC (the "Transfer Agent"), a wholly-owned subsidiary of the Adviser, is the Portfolio's transfer agent. The Transfer Agent receives an administrative services fee at an annual rate of 0.05% of the average daily net assets of the Portfolio for arranging for the provision by participating insurance companies and qualified plan service providers of administrative services, including, but not limited to, recordkeeping, subaccounting, answering inquiries regarding accounts, order processing, transaction confirmations, the mailing of prospectuses and shareholder reports, and other shareholder services provided on behalf of contract holders or plan participants investing in the Portfolio. The Transfer Agent expects to use this entire fee to compensate insurance companies and qualified plan service providers for providing these services to their customers who invest in the Portfolio.

The Transfer Agent is not compensated for internal services related to the shares, except for out-of-pocket costs. These amounts are disclosed as "Other transfer agent fees and expenses" on the Statement of Operations.

Under a distribution and shareholder servicing plan (the "Plan") adopted in accordance with Rule 12b-1 under the 1940 Act, the Service Shares may pay the Trust's distributor, Janus Henderson Distributors US LLC (the "Distributor"), a wholly-owned subsidiary of the Adviser, a fee for the sale and distribution and/or shareholder servicing of the Service Shares at an annual rate of up to 0.25% of the average daily net assets of the Service Shares. Under the terms of the Plan, the Trust is authorized to make payments to the Distributor for remittance to insurance companies and qualified plan service providers as compensation for distribution and/or shareholder services performed by such entities. These amounts are disclosed as "12b-1 Distribution and shareholder servicing fees" on the Statement of Operations.

The Board of Trustees has adopted a deferred compensation plan (the "Deferred Plan") for independent Trustees to elect to defer receipt of all or a portion of the annual compensation they are entitled to receive from the Portfolio. All deferred fees are credited to an account established in the name of the Trustees. The amounts credited to the account then increase or decrease, as the case may be, in accordance with the performance of one or more of the Janus Henderson funds that are selected by the Trustees. The account balance continues to fluctuate in accordance with the

performance of the selected fund or funds until final payment of all amounts are credited to the account. The fluctuation of the account balance is recorded by the Portfolio as unrealized appreciation/(depreciation) and is included as of December 31, 2023 on the Statement of Assets and Liabilities in the asset, "Trustees' deferred compensation," and liability, "Trustees' deferred compensation fees." Additionally, the recorded unrealized appreciation/(depreciation) is included in "Total distributable earnings (loss)" on the Statement of Assets and Liabilities. Deferred compensation expenses for the year ended December 31, 2023 are included in "Trustees' fees and expenses" on the Statement of Operations. Trustees are allowed to change their designation of mutual funds from time to time. Amounts will be deferred until distributed in accordance with the Deferred Plan. Deferred fees of \$416,000 were paid by the Trust to the Trustees under the Deferred Plan during the year ended December 31, 2023.

Pursuant to the provisions of the 1940 Act and related rules, the Portfolio may participate in an affiliated or non-affiliated cash sweep program. In the cash sweep program, uninvested cash balances of the Portfolio may be used to purchase shares of affiliated or non-affiliated money market funds or cash management pooled investment vehicles that operate as money market funds. The Portfolio is eligible to participate in the cash sweep program (the "Investing Funds"). The Adviser has an inherent conflict of interest because of its fiduciary duties to the affiliated money market funds or cash management pooled investment vehicles and the Investing Funds. Janus Henderson Cash Liquidity Fund LLC (the "Sweep Vehicle") is an affiliated unregistered cash management pooled investment vehicle that invests primarily in highly-rated short-term fixed-income securities. The Sweep Vehicle operates pursuant to the provisions of the 1940 Act that govern the operation of money market funds and prices its shares at NAV reflecting market-based values of its portfolio securities (i.e., a "floating" NAV) rounded to the fourth decimal place (e.g., \$1.0000). The Sweep Vehicle is permitted to impose a liquidity fee (of up to 2%) on redemptions from the Sweep Vehicle or a redemption gate that temporarily suspends redemptions from the Sweep Vehicle for up to 10 business days during a 90 day period. There are no restrictions on the Portfolio's ability to withdraw investments from the Sweep Vehicle at will, and there are no unfunded capital commitments due from the Portfolio to the Sweep Vehicle. The Sweep Vehicle does not charge any management fee, sales charge or service fee.

Any purchases and sales, realized gains/losses and recorded dividends from affiliated investments during the year ended December 31, 2023 can be found in the "Schedules of Affiliated Investments" located in the Schedule of Investments.

#### 4. Federal Income Tax

The tax components of capital shown in the table below represent: (1) distribution requirements the Portfolio must satisfy under the income tax regulations; (2) losses or deductions the Portfolio may be able to offset against income and gains realized in future years; and (3) unrealized appreciation or depreciation of investments for federal income tax purposes.

Other book to tax differences primarily consist of deferred compensation. The Portfolio has elected to treat gains and losses on forward foreign currency contracts as capital gains and losses, if applicable. Other foreign currency gains and losses on debt instruments are treated as ordinary income for federal income tax purposes pursuant to Section 988 of the Internal Revenue Code.

							Other Book	Net Tax
Undistributed		Undistributed	Асси	mulated			to Tax	Appreciation/
 Ordinary Income	Lor	ng-Term Gains	Capita	l Losses	Loss	Deferrals	Differences	(Depreciation)
\$ 149,856	\$	19,672,136	\$	-	\$	-	\$ (14,406)	\$297,511,015

During the year ended December 31, 2023, capital loss carryovers of \$7,617,272 were utilized by the Portfolio.

### **Notes to Financial Statements**

The aggregate cost of investments and the composition of unrealized appreciation and depreciation of investment securities for federal income tax purposes as of December 31, 2023 are noted below. The primary differences between book and tax appreciation or depreciation of investments are wash sale loss deferrals, investments in partnerships, and straddle loss deferrals.

	Unrealized	Unrealized	Net	Tax Appreciation/
Federal Tax Cost	Appreciation	(Depreciation)		(Depreciation)
\$ 295,975,703	\$300,072,252	\$ (2,561,237)	\$	297,511,015

Income and capital gains distributions are determined in accordance with income tax regulations that may differ from US GAAP. These differences are due to differing treatments for items such as net short-term gains, deferral of wash sale losses, foreign currency transactions, and capital loss carryovers. Certain permanent differences such as tax returns of capital and net investment losses noted below have been reclassified to capital.

For the year ended December 31, 2023

			Distributions				
Fron	n Ordinary Income	From	From Long-Term Capital Gains Tax Return of Capital				tment Loss
\$	645,997	\$	-	\$	-	\$	_
For the y	vear ended Decembe	er 31, 2	022				
			Distributions				
Fron	n Ordinary Income	From	Long-Term Capital Gains	Tax Ret	urn of Capital	Net Inves	tment Loss
\$	3,510,683	\$	91,934,988	\$	-	\$	-

Permanent book to tax basis differences may result in reclassifications between the components of net assets. These differences have no impact on the results of operations or net assets.

### 5. Capital Share Transactions

	Year ended	Year ended December 31, 2023		ecember 31, 2022
	Shares	Amount	Shares	Amount
Institutional Shares:				
Shares sold	256,818	\$ 9,980,899	144,237	\$ 5,476,747
Reinvested dividends and distributions	14,132	561,306	2,228,505	70,400,164
Shares repurchased	(1,209,129)	(46,578,095)	(999,614)	(38,467,132)
Net Increase/(Decrease)	(938,179)	\$(36,035,890)	1,373,128	\$37,409,779
Service Shares:				
Shares sold	313,786	\$ 12,051,380	225,334	\$ 7,953,370
Reinvested dividends and distributions	2,233	84,691	830,421	25,045,507
Shares repurchased	(582,696)	(21,777,023)	(561,806)	(21,096,483)
Net Increase/(Decrease)	(266,677)	\$ (9,640,952)	493,949	\$11,902,394

### **Notes to Financial Statements**

#### 6. Purchases and Sales of Investment Securities

For the year ended December 31, 2023, the aggregate cost of purchases and proceeds from sales of investment securities (excluding any short-term securities, short-term options contracts, TBAs, and in-kind transactions, as applicable) was as follows:

		Puro	chases of Long-	Proceeds fr	om Sales
Purchases of	Proceeds from Sales	Term U	.S. Government	of Long-1	Term U.S.
Securities	of Securities		Obligations	Government Ol	bligations
\$142,231,602	\$ 187,435,170	\$	-	\$	-

### 7. Subsequent Event

Management has evaluated whether any events or transactions occurred subsequent to December 31, 2023 and through the date of issuance of the Portfolio's financial statements and determined that there were no material events or transactions that would require recognition or disclosure in the Portfolio's financial statements.

# Janus Henderson VIT Research Portfolio **Report of Independent Registered Public Accounting Firm**

To the Board of Trustees of Janus Aspen Series and Shareholders of Janus Henderson VIT Research Portfolio

### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Janus Henderson VIT Research Portfolio (one of the portfolios constituting Janus Aspen Series, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statements of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

## **Basis for Opinion**

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian and transfer agent. We believe that our audits provide a reasonable basis for our opinion.

Pricewaterhouse Coopers LLP

Denver, Colorado February 15, 2024

We have served as the auditor of one or more investment companies in Janus Henderson Funds since 1990.

### Additional Information (unaudited)

### **Proxy Voting Policies and Voting Record**

A description of the policies and procedures that the Portfolio uses to determine how to vote proxies relating to its portfolio securities is available without charge: (i) upon request, by calling 1-800-525-1093; (ii) on the Portfolio's website at janushenderson.com/proxyvoting; and (iii) on the SEC's website at http://www.sec.gov. Additionally, information regarding the Portfolio's proxy voting record for the most recent twelve-month period ended June 30 is also available, free of charge, through janushenderson.com/proxyvoting and from the SEC's website at http://www.sec.gov.

### **Full Holdings**

The Portfolio files its complete portfolio holdings (schedule of investments) with the SEC as an exhibit to Form N-PORT within 60 days of the end of the first and third fiscal quarters, and in the annual report and semiannual report to shareholders. The Portfolio's Form N-PORT filings and annual and semiannual reports: (i) are available on the SEC's website at http://www.sec.gov; and (ii) are available without charge, upon request, by calling a Janus Henderson representative at 1-877-335-2687 (toll free). Portfolio holdings consisting of at least the names of the holdings are generally available on a monthly basis with a 30-day lag under Full Holdings for the Portfolio at janushenderson.com/vit.

#### APPROVAL OF ADVISORY AGREEMENTS DURING THE PERIOD

The Trustees of Janus Aspen Series and Janus Investment Fund, each of whom serves as an "independent" Trustee (collectively, the "Trustees"), oversee the management of each portfolio of Janus Aspen Series (each, a "VIT Portfolio," and collectively, the "VIT Portfolios"), as well as each fund of Janus Investment Fund (each, a "Fund," and collectively, the "Funds" and together with the VIT Portfolios, the "Janus Henderson Funds," and each, a "Janus Henderson Fund"). As required by law, the Trustees determine annually whether to continue the investment advisory agreement for each Janus Henderson Fund.

In connection with their most recent consideration of those agreements for each Janus Henderson Fund, the Trustees received and reviewed information provided by Janus Henderson Investors US LLC (the "Adviser") in response to requests of the Trustees and their independent legal counsel. They also received and reviewed information and analysis provided by, and in response to requests of, their independent fee consultant. Throughout their consideration of the agreements, the Trustees were advised by their independent legal counsel. The Trustees met with management to consider the agreements, and also met separately in executive session with their independent legal counsel and their independent fee consultant.

At meetings held on November 3, 2023 and December 14-15, 2023, the Trustees evaluated the information provided by the Adviser and the independent fee consultant, as well as other information provided by the Adviser and the independent fee consultant during the year. Following such evaluation, the Trustees determined that the overall arrangements between each Janus Henderson Fund and the Adviser were fair and reasonable in light of the nature, extent, and quality of the services provided by the Adviser and its affiliates, the fees charged for those services, and other matters that the Trustees considered relevant in the exercise of their business judgment, and unanimously approved the continuation of the investment advisory agreement for each Janus Henderson Fund for the period from February 1, 2024 through February 1, 2025, subject to earlier termination as provided for in each agreement.

In considering the continuation of those agreements, the Trustees reviewed and analyzed various factors that they determined were relevant, including the factors described below, none of which by itself was considered dispositive. However, the material factors and conclusions that formed the basis for the Trustees' determination to approve the continuation of the agreements are discussed separately below. Also included is a summary of the independent fee consultant's conclusions and opinions that arose during, and were included as part of, the Trustees' consideration of the agreements. "Management fees," as used herein, reflect actual annual advisory fees and, for the purpose of peer comparisons any administration fees (excluding out of pocket costs), net of any waivers, paid by a fund as a percentage of average net assets.

#### Nature, Extent and Quality of Services

The Trustees reviewed the nature, extent, and quality of the services provided by the Adviser to the Janus Henderson Funds, taking into account the investment objective, strategies, and policies of each Janus Henderson Fund, and the knowledge the Trustees gained from their regular meetings with management on at least a quarterly basis and their ongoing review of information related to the Janus Henderson Funds. In addition, the Trustees reviewed the resources and key personnel of the Adviser, particularly noting those employees who provide investment and risk management services to the Janus Henderson Funds. The Trustees also considered other services provided to the Janus Henderson

### Additional Information (unaudited)

Funds by the Adviser, such as managing the execution of portfolio transactions and the selection of broker-dealers for those transactions. The Trustees considered the Adviser's role as administrator to the Janus Henderson Funds, noting that the Adviser generally does not receive a fee for its services as administrator, but is reimbursed for its out-of-pocket costs. The Trustees considered the role of the Adviser in monitoring adherence to the Janus Henderson Funds' investment restrictions, providing support services for the Trustees and Trustee committees, and overseeing communications with Janus Henderson Fund shareholders and the activities of other service providers, including monitoring compliance with various policies and procedures of the Janus Henderson Funds and with applicable securities laws and regulations.

In this regard, the independent fee consultant noted that the Adviser provides a number of different services for the Janus Henderson Funds and their shareholders, ranging from investment management services to various other servicing functions, and that, in its view, the Adviser is a capable provider of those services. The independent fee consultant also provided its belief that the Adviser has developed a number of institutional competitive advantages that should enable it to provide superior investment and service performance over the long term.

The Trustees concluded that the nature, extent, and quality of the services provided by the Adviser to each Janus Henderson Fund were appropriate and consistent with the terms of the respective advisory agreements, and that, taking into account steps taken to address those Janus Henderson Funds whose performance lagged that of their peers for certain periods, the Janus Henderson Funds were likely to benefit from the continued provision of those services. They also concluded that the Adviser had sufficient personnel, with the appropriate education and experience, to serve the Janus Henderson Funds effectively and had demonstrated its ability to attract well-qualified personnel.

### Performance of the Funds

The Trustees considered the performance results of each Janus Henderson Fund over various time periods. They noted that they considered Janus Henderson Fund performance data throughout the year, including periodic meetings with each Janus Henderson Fund's portfolio manager(s), and also reviewed information comparing each Janus Henderson Fund's performance with the performance of comparable fund peer groups identified by Broadridge Financial Solutions, Inc. ("Broadridge"), an independent data provider, and with the Janus Henderson Fund's benchmark index.

In this regard, as reported by Broadridge: (i) for the 12 months ended June 30, 2023, approximately 44% of the Janus Henderson Funds were in the top two quartiles of their Broadridge peer groups; and (ii) for the 36 months ended June 30, 2023, approximately 50% of the Janus Henderson Funds were in the top two quartiles of their Broadridge peer groups. In addition, the independent fee consultant found that the Janus Henderson Funds' average 2023 performance has been reasonable, noting that: (i) for the 12 months ended September 30, 2023, approximately 43% of the Janus Henderson Funds were in the top two quartiles of performance as reported by Morningstar; (ii) for the 36 months ended September 30, 2023, approximately 45% of the Janus Henderson Funds were in the top two quartiles of performance as reported by Morningstar; and (iii) for the 5- and 10-year periods ended September 30, 2023, approximately 63% and 66% of the Janus Henderson Funds were in the top two quartiles of performance, respectively, as reported by Morningstar.

The Trustees considered the performance of each Janus Henderson Fund, noting that performance may vary by share class, and noted the following with respect to the VIT Portfolios:

- For Janus Henderson Balanced Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Enterprise Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the third Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Flexible Bond Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the bottom Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Forty Portfolio, the Trustees noted that the VIT Portfolio's performance was in the third Broadridge guartile for the 36 months ended June 30, 2023 and the second Broadridge guartile for the 12 months ended June 30, 2023. The Trustees noted the reasons for the VIT Portfolio's underperformance, while also noting

### Additional Information (unaudited)

that the VIT Portfolio has a performance fee structure that results in lower management fees during periods of underperformance, the steps the Adviser had taken or was taking to improve performance, and that the performance trend was improving.

- For Janus Henderson Global Research Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Global Sustainable Equity Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted that 36 month-end performance was not yet available.
- For Janus Henderson Global Technology and Innovation Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Mid Cap Value Portfolio, the Trustees noted that the VIT Portfolio's performance was in the bottom Broadridge quartile for the 36 months ended June 30, 2023 and the third Broadridge quartile for the 12 months ended June 30, 2023. The Trustees noted the reasons for the VIT Portfolio's underperformance, while also noting that the VIT Portfolio has a performance fee structure that results in lower management fees during periods of underperformance, the steps the Adviser had taken or was taking to improve performance.
- For Janus Henderson Overseas Portfolio, the Trustees noted that the VIT Portfolio's performance was in the first Broadridge quartile for the 36 months ended June 30, 2023 and the bottom Broadridge quartile for the 12 months ended June 30, 2023.
- For Janus Henderson Research Portfolio, the Trustees noted that the VIT Portfolio's performance was in the second Broadridge quartile for the 36 months ended June 30, 2023 and the first Broadridge quartile for the 12 months ended June 30, 2023.

In consideration of each Janus Henderson Fund's performance, the Trustees concluded that, taking into account the factors relevant to performance, as well as other considerations, including steps taken to improve performance, as applicable, the Janus Henderson Fund's performance warranted continuation of such Janus Henderson Fund's investment advisory agreement.

#### Costs of Services Provided

The Trustees examined information regarding the fees and expenses of each Janus Henderson Fund in comparison to similar information for other comparable funds as provided by Broadridge, an independent data provider. They also reviewed an analysis of that information provided by their independent fee consultant. The independent fee consultant provided its belief that the management fees charged by the Adviser to each of the Janus Henderson Funds under the current investment advisory and administration agreements are reasonable in relation to the services provided by the Adviser. The independent fee consultant found: (1) the total expenses and management fees of the Janus Henderson Funds to be reasonable relative to other comparable mutual funds; (2) the total expenses, on average, were 8% under the average total expenses of the respective Broadridge peer group; and (3) the management fees for the Janus Henderson Funds, on average, were 6% under the average management fees for the respective Broadridge peer group. The Trustees also considered the total expenses for each share class of each Janus Henderson Fund compared to the average total expenses for its Broadridge Expense Universe.

For Janus Henderson Funds with three or more years of performance history, the independent fee consultant also performed a systematic "focus list" analysis of expenses which assessed fund fees in the context of fund performance being delivered. Based on this analysis, the independent fee consultant found that the combination of service quality/performance and expenses on these individual Janus Henderson Funds was reasonable considering performance trends, performance histories, changes in portfolio management, relative average net asset levels, and the existence of performance fees, breakpoints, and/or expense waivers on such Janus Henderson Funds.

The Trustees considered the methodology used by the Adviser in determining compensation payable to portfolio managers, the competitive environment for investment management talent, and the competitive market for mutual funds in different distribution channels.

### Additional Information (unaudited)

The Trustees also reviewed management fees charged by the Adviser to comparable institutional/separate account clients and to comparable non-affiliated funds subadvised by the Adviser (for which the Adviser provides only or primarily portfolio management services). Although in most instances subadvisory and institutional/separate account fee rates for various investment strategies were lower than management fee rates for Janus Henderson Funds having a similar strategy, the Trustees considered that the Adviser noted that, under the terms of the management agreements with the Janus Henderson Funds, the Adviser performs significant additional services for the Janus Henderson Funds that it does not provide to those other clients, including administration services, oversight of the Janus Henderson Funds' other service providers, Trustee support, regulatory compliance, and numerous other services, and that, in serving the Janus Henderson Funds, the Adviser assumes many legal risks and other costs that it does not assume in servicing its other clients. Moreover, the Trustees noted that the independent fee consultant referenced its past analyses from 2022, which found that: (1) the management fees the Adviser charges to the Janus Henderson Funds are reasonable in relation to the management fees the Adviser charges to funds subadvised by the Adviser and to the fees the Adviser charges to its institutional separate account clients; (2) these subadvised and institutional separate accounts have different service and infrastructure needs and operate in markets very different from the retail fund market; (3) Janus Henderson mutual fund investors enjoy reasonable fees relative to the fees charged in these other markets; and (4) 9 of 11 Janus Henderson Funds had lower management fees than similar funds subadvised by the Adviser. As part of their review of the 2022 independent consultant findings, the Trustees noted that for the two Janus Henderson Funds that did not have lower management fees than similar funds subadvised by the Adviser, management fees for each were under the average of its 15(c) peer group.

The Trustees considered the fees for each Janus Henderson Fund for its fiscal year ended in 2022 and noted the following with regard to each VIT Portfolio's total expenses, net of applicable fee waivers (the VIT Portfolio's "total expenses") as reflected in the comparative information provided by Broadridge:

- For Janus Henderson Balanced Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group average for one share class, overall the VIT Portfolio's total expenses were reasonable.
- For Janus Henderson Enterprise Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Flexible Bond Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group for one share class, overall the VIT Portfolio's total expenses were reasonable. The Trustees also noted that the Adviser has contractually agreed to limit the VIT Portfolio's expenses, although this limit did not apply because the Fund's total expenses as shown were below the applicable fee limit.
- For Janus Henderson Forty Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Research Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Sustainable Equity Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Global Technology and Innovation Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Mid Cap Value Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.
- For Janus Henderson Overseas Portfolio, the Trustees noted that, although the VIT Portfolio's total expenses exceeded the peer group average for one share class, overall the VIT Portfolio's total expenses were reasonable.
- For Janus Henderson Research Portfolio, the Trustees noted that the VIT Portfolio's total expenses were below the peer group average for both share classes.

The Trustees reviewed information on the overall profitability to the Adviser and its affiliates from their relationships with the Janus Henderson Funds, and considered profitability data of other publicly traded mutual fund advisers. The Trustees recognized that profitability comparisons among fund managers are difficult because of the variation in the type of comparative information that is publicly available, and the profitability of any fund manager is affected by

### Additional Information (unaudited)

numerous factors, including the organizational structure of the particular fund manager, differences in complex size, difference in product mix, difference in types of business (mutual fund, institutional and other), differences in the types of funds and other accounts it manages, possible other lines of business, the methodology for allocating expenses and the fund manager's capital structure and cost of capital.

Additionally, the Trustees considered the estimated profitability to the Adviser from the investment management services it provided to each Janus Henderson Fund. In their review, the Trustees considered whether the Adviser receives adequate incentives and resources to manage the Janus Henderson Funds effectively. In reviewing profitability, the Trustees noted that the estimated profitability for an individual Janus Henderson Fund is necessarily a product of the allocation methodology utilized by the Adviser to allocate its expenses as part of the estimated profitability calculation. In this regard, the Trustees noted that the independent fee consultant found as part of its 2022 review, which assessed 2021 fund-level profitability, that (1) the expense allocation methodology and rationales utilized by the Adviser were reasonable and (2) no clear correlation exists between expense allocations and operating margins. The Trustees noted that the Adviser reported no changes to its allocation methodology for the 2023 15(c) process; however, at the Trustees' request, the independent fee consultant reviewed changes to the allocation methodology that were reflected in the 2021 data for the 2022 15(c) process, but were not separately analyzed by the independent fee consultant as part of its 2022 review. The independent fee consultant found the new allocation methodology and the rationale for the changes to be reasonable. Further, the independent fee consultant's analysis of fund operating margins showed de minimis impact on operating margins as a result of the changes to the allocation methodology. As part of their overall review of fund profitability, the Trustees also considered that the estimated profitability for an individual Janus Henderson Fund was influenced by a number of factors, including not only the allocation methodology selected. but also the presence of fee waivers and expense caps, and whether the Janus Henderson Fund's investment management agreement contained breakpoints or a performance fee component. The Trustees determined, after taking into account these factors, among others, that the Adviser's estimated profitability with respect to each Janus Henderson Fund was not unreasonable in relation to the services provided, and that the variation in the range of such estimated profitability among the Janus Henderson Funds was not a material factor in the Board's approval of the reasonableness of any Janus Henderson Fund's investment management fees.

The Trustees concluded that the management fees payable by each Janus Henderson Fund to the Adviser were reasonable in relation to the nature, extent, and quality of the services provided, taking into account the fees charged by other advisers for managing comparable mutual funds with similar strategies, the fees the Adviser charges to other clients, and, as applicable, the impact of fund performance on management fees payable by the Janus Henderson Funds. The Trustees also concluded that each Janus Henderson Fund's total expenses were reasonable, taking into account the size of the Janus Henderson Fund, the quality of services provided by the Adviser, the investment performance of the Janus Henderson Fund, and any expense limitations agreed to or provided by the Adviser.

### **Economies of Scale**

The Trustees considered information about the potential for the Adviser to realize economies of scale as the assets of the Janus Henderson Funds increase. They noted that their independent fee consultant published a report to the Trustees in 2022, which provided its research and analysis into economies of scale. The Trustees also considered the following from the independent fee consultant's 2023 report: (1) past analyses completed by it cannot confirm or deny the existence of economies of scale in the Janus Henderson complex, but the independent fee consultant provided its belief that Janus Henderson Fund investors are well-served by the fee levels, management fee breakpoints, and performance fee structures in place on the Janus Henderson Funds in light of any economies of scale that may be present at the Adviser; (2) that 28% of Janus Henderson Funds had management fee breakpoints in place whereby investors pay lower management fees as fund AUM increases; (3) that 31% of Janus Henderson Funds have low flatrate fees and performance fees where the Adviser is incentivized to invest in resources which drive Janus Henderson Fund performance; and (4) that 41% of Janus Henderson Funds have low flat-rate fees (the "Low Flat-Rate Fee Funds") versus peers where investors pay low fixed fees when the Janus Henderson Fund is small/midsized and higher fees when the Janus Henderson Fund grows in assets.

With respect to the Low Flat-Rate Fee Funds, the independent fee consultant concluded in its 2023 report that (1) 70% of such funds have contractual management fees (gross of waivers) below their respective Broadridge peer group averages; (2) to the extent there were economies of scale at the Adviser, the Adviser's general strategy of setting fixed management fees below peers appeared to share any such economies with investors even on smaller Janus Henderson Funds, which have not yet achieved those economies; and (3) by setting lower fixed fees from the start on

# Janus Henderson VIT Research Portfolio Additional Information (unaudited)

the Low Flat-Rate Fee Funds, the Adviser appeared to be investing to increase the likelihood that these Janus Henderson Funds will grow to a level to achieve any economies of scale that may exist.

The Trustees also noted that the Janus Henderson Funds share directly in economies of scale through the significant investments made by the Adviser and its affiliates related to services provided to the Funds and the lower charges of third-party service providers that are based in part on the combined scale of all of the Janus Henderson Funds.

Based on all of the information reviewed, including the recent and past research and analysis conducted by the Trustees' independent fee consultant, the Trustees concluded that the current fee structure of each Janus Henderson Fund was reasonable and that the current rates of fees do reflect a sharing between the Adviser and the Janus Henderson Fund of any economies of scale that may be present at the current asset level of the Janus Henderson Fund.

### Other Benefits to the Adviser

The Trustees also considered other benefits that accrue to the Adviser and its affiliates from their relationships with the Janus Henderson Funds. They recognized that two affiliates of the Adviser separately serve the Janus Henderson Funds as transfer agent and distributor, respectively, and the transfer agent receives compensation directly from the non-money market Janus Henderson Funds for services provided, and that such compensation contributes to the overall profitability of the Adviser and its affiliates that results from their relationship with the Janus Henderson Funds. The Trustees also considered the Adviser's past and proposed use of commissions paid by Janus Henderson Funds on portfolio brokerage transactions to obtain proprietary and third-party research products and services benefiting the Janus Henderson Fund and/or other clients of the Adviser and/or the Adviser. The Trustees concluded that the Adviser's use of these types of client commission arrangements to obtain proprietary and third-party research products and services was consistent with regulatory requirements and guidelines and was likely to benefit such Janus Henderson Funds. The Trustees also concluded that, other than the services provided by the Adviser and its affiliates pursuant to the agreements and the fees to be paid by each Janus Henderson Fund therefor the Janus Henderson Funds and the Adviser may potentially benefit from their relationship with each other in other ways. They concluded that the Adviser and its affiliates share directly in economies of scale through the lower charges of third-party service providers that are based in part on the combined scale of the Janus Henderson Funds and other clients serviced by the Adviser and its affiliates. They also concluded that the Adviser benefits from the receipt of research products and services acquired through commissions paid on portfolio transactions of the Janus Henderson Funds and that the Janus Henderson Funds benefit from the Adviser's receipt of those products and services as well as research products and services acquired through commissions paid by other clients of the Adviser. They further concluded that the success of any Janus Henderson Fund could attract other business to the Adviser or other Janus Henderson Funds, and that the success of the Adviser could enhance the Adviser's ability to serve the Janus Henderson Funds.

# Janus Henderson VIT Research Portfolio Useful Information About Your Portfolio Report (unaudited)

### **Management Commentary**

The Management Commentary in this report includes valuable insight as well as statistical information to help you understand how your Portfolio's performance and characteristics stack up against those of comparable indices.

If the Portfolio invests in foreign securities, this report may include information about country exposure. Country exposure is based primarily on the country of risk. A company may be allocated to a country based on other factors such as location of the company's principal office, the location of the principal trading market for the company's securities, or the country where a majority of the company's revenues are derived.

Please keep in mind that the opinions expressed in the Management Commentary are just that: opinions. They are a reflection based on best judgment at the time this report was compiled, which was December 31, 2023. As the investing environment changes, so could opinions. These views are unique and are not necessarily shared by fellow employees or by Janus Henderson in general.

#### **Performance Overviews**

Performance overview graphs compare the performance of a hypothetical \$10,000 investment in the Portfolio with one or more widely used market indices. When comparing the performance of the Portfolio with an index, keep in mind that market indices are not available for investment and do not reflect deduction of expenses.

Average annual total returns are quoted for a Portfolio with more than one year of performance history. Average annual total return is calculated by taking the growth or decline in value of an investment over a period of time, including reinvestment of dividends and distributions, then calculating the annual compounded percentage rate that would have produced the same result had the rate of growth been constant throughout the period. Average annual total return does not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares.

Cumulative total returns are quoted for a Portfolio with less than one year of performance history. Cumulative total return is the growth or decline in value of an investment over time, independent of the period of time involved. Cumulative total return does not reflect the deduction of taxes that a shareholder would pay on Portfolio distributions or redemptions of Portfolio shares.

Pursuant to federal securities rules, expense ratios shown in the performance chart reflect subsidized (if applicable) and unsubsidized ratios. The total annual fund operating expenses ratio is gross of any fee waivers, reflecting the Portfolio's unsubsidized expense ratio. The net annual fund operating expenses ratio (if applicable) includes contractual waivers of the Adviser and reflects the Portfolio's subsidized expense ratio. Ratios may be higher or lower than those shown in the "Financial Highlights" in this report.

#### Schedule of Investments

Following the performance overview section is the Portfolio's Schedule of Investments. This schedule reports the types of securities held in the Portfolio on the last day of the reporting period. Securities are usually listed by type (common stock, corporate bonds, U.S. Government obligations, etc.) and by industry classification (banking, communications, insurance, etc.). Holdings are subject to change without notice.

The value of each security is quoted as of the last day of the reporting period. The value of securities denominated in foreign currencies is converted into U.S. dollars.

If the Portfolio invests in foreign securities, it will also provide a summary of investments by country. This summary reports the Portfolio exposure to different countries by providing the percentage of securities invested in each country. The country of each security represents the country of risk. The Portfolio's Schedule of Investments relies upon the industry group and country classifications published by Bloomberg and/or MSCI Inc.

Tables listing details of individual forward currency contracts, futures, written options, swaptions, and swaps follow the Portfolio's Schedule of Investments (if applicable).

### Statement of Assets and Liabilities

This statement is often referred to as the "balance sheet." It lists the assets and liabilities of the Portfolio on the last day of the reporting period.

# Janus Henderson VIT Research Portfolio **Useful Information About Your Portfolio Report (unaudited)**

The Portfolio's assets are calculated by adding the value of the securities owned, the receivable for securities sold but not yet settled, the receivable for dividends declared but not yet received on securities owned, and the receivable for Portfolio shares sold to investors but not yet settled. The Portfolio's liabilities include payables for securities purchased but not yet settled, Portfolio shares redeemed but not yet paid, and expenses owed but not yet paid. Additionally, there may be other assets and liabilities such as unrealized gain or loss on forward currency contracts.

The section entitled "Net Assets Consist of" breaks down the components of the Portfolio's net assets. Because the Portfolio must distribute substantially all earnings, you will notice that a significant portion of net assets is shareholder

The last section of this statement reports the net asset value ("NAV") per share on the last day of the reporting period. The NAV is calculated by dividing the Portfolio's net assets for each share class (assets minus liabilities) by the number of shares outstanding.

### **Statement of Operations**

This statement details the Portfolio's income, expenses, realized gains and losses on securities and currency transactions, and changes in unrealized appreciation or depreciation of Portfolio holdings.

The first section in this statement, entitled "Investment Income," reports the dividends earned from securities and interest earned from interest-bearing securities in the Portfolio.

The next section reports the expenses incurred by the Portfolio, including the advisory fee paid to the investment adviser, transfer agent fees and expenses, and printing and postage for mailing statements, financial reports and prospectuses. Expense offsets and expense reimbursements, if any, are also shown.

The last section lists the amounts of realized gains or losses from investment and foreign currency transactions, and changes in unrealized appreciation or depreciation of investments and foreign currency-denominated assets and liabilities. The Portfolio will realize a gain (or loss) when it sells its position in a particular security. A change in unrealized gain (or loss) refers to the change in net appreciation or depreciation of the Portfolio during the reporting period. "Net Realized and Unrealized Gain/(Loss) on Investments" is affected both by changes in the market value of Portfolio holdings and by gains (or losses) realized during the reporting period.

#### Statements of Changes in Net Assets

These statements report the increase or decrease in the Portfolio's net assets during the reporting period. Changes in the Portfolio's net assets are attributable to investment operations, dividends and distributions to investors, and capital share transactions. This is important to investors because it shows exactly what caused the Portfolio's net asset size to change during the period.

The first section summarizes the information from the Statement of Operations regarding changes in net assets due to the Portfolio's investment operations. The Portfolio's net assets may also change as a result of dividend and capital gains distributions to investors. If investors receive their dividends and/or distributions in cash, money is taken out of the Portfolio to pay the dividend and/or distribution. If investors reinvest their dividends and/or distributions, the Portfolio's net assets will not be affected.

The reinvestment of dividends and distributions is included under "Capital Share Transactions." "Capital Shares" refers to the money investors contribute to the Portfolio through purchases or withdrawals via redemptions. The Portfolio's net assets will increase and decrease in value as investors purchase and redeem shares from the Portfolio.

#### **Financial Highlights**

This schedule provides a per-share breakdown of the components that affect the Portfolio's NAV for current and past reporting periods as well as total return, asset size, ratios, and portfolio turnover rate.

The first line in the table reflects the NAV per share at the beginning of the reporting period. The next line reports the net investment income/(loss) per share. Following is the per share total of net gains/(losses), realized and unrealized. Per share dividends and distributions to investors are then subtracted to arrive at the NAV per share at the end of the period. The next line reflects the total return for the period. The total return may include adjustments in accordance with generally accepted accounting principles required at the period end for financial reporting purposes. As a result, the total return may differ from the total return reflected for individual shareholder transactions. Also included are ratios of expenses and net investment income to average net assets.

# Janus Henderson VIT Research Portfolio Useful Information About Your Portfolio Report (unaudited)

The Portfolio's expenses may be reduced through expense offsets and expense reimbursements. The ratios shown reflect expenses before and after any such offsets and reimbursements.

The ratio of net investment income/(loss) summarizes the income earned less expenses, divided by the average net assets of the Portfolio during the reporting period. Do not confuse this ratio with the Portfolio's yield. The net investment income ratio is not a true measure of the Portfolio's yield because it does not take into account the dividends distributed to the Portfolio's investors.

The next figure is the portfolio turnover rate, which measures the buying and selling activity in the Portfolio. Portfolio turnover is affected by market conditions, changes in the asset size of the Portfolio, fluctuating volume of shareholder purchase and redemption orders, the nature of the Portfolio's investments, and the investment style and/or outlook of the portfolio manager(s) and/or investment personnel. A 100% rate implies that an amount equal to the value of the entire portfolio was replaced once during the fiscal year; a 50% rate means that an amount equal to the value of half the portfolio is traded in a year; and a 200% rate means that an amount equal to the entire portfolio is traded every six months.

# **Designation Requirements (unaudited)**

For federal income tax purposes, the Portfolio designated the following for the year ended December 31, 2023:

Dividends Received Deduction Percentage

84%

Trustees and Officers (unaudited)

The following are the Trustees and officers of the Trust, together with a brief description of their principal occupations during the last five years (principal occupations for certain Trustees may include periods over five years). The Portfolio's Statement of Additional Information includes additional information about the Trustees and officers and is available, without charge, by calling 1-877-335-2687.

Each Trustee has served in that capacity since he or she was originally elected or appointed. The Trustees do not serve a specified term of office. Each Trustee will hold office until the termination of the Trust or his or her earlier death, resignation, retirement, incapacity, or removal. Under the Portfolio's Governance Procedures and Guidelines, the policy is for Trustees to retire no later than the end of the calendar year in which the Trustee turns 75, unless extended by the Trustees. The Trustees review the Portfolio's Governance Procedures and Guidelines from time to time and may make changes they deem appropriate. The Portfolio's Nominating and Governance Committee will consider nominees for the position of Trustee recommended by shareholders. Shareholders may submit the name of a candidate for consideration by the Committee by submitting their recommendations to the Trust's Secretary. Each Trustee is currently a Trustee of one other registered investment company advised by the Adviser: Janus Investment Fund. Collectively, these two registered investment companies consist of 48 series or funds referred to herein as the Fund Complex.

The Trust's officers are elected annually by the Trustees for a one-year term. Certain officers also serve as officers of Janus Investment Fund. Certain officers of the Portfolio may also be officers and/or directors of the Adviser. Except as otherwise disclosed, Portfolio officers receive no compensation from the Portfolio, except for the Portfolio's Chief Compliance Officer, as authorized by the Trustees.

# **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Alan A. Brown 151 Detroit Street Denver, CO 80206 DOB: 1962	Chairman	5/22- Present 1/13- Present	Principal, Curam Holdings LLC (since 2018). Formerly, Executive Vice President, Institutional Markets, of Black Creek Group (private equity real estate investment management firm) (2012-2018), Executive Vice President and Co-Head, Global Private Client Group (2007-2010), Executive Vice President, Mutual Funds (2005-2007), and Chief Marketing Officer (2001-2005) of Nuveen Investments, Inc. (asset management).	48	Advisory Board Member of AEW Core Property Trust (open-end property fund) (since 2020), and Director of WTTW (PBS affiliate) (since 2003). Formerly, Director of MotiveQuest LLC (strategic social marke research company) (2003-2016), Director of Nuveen Global Investors LLC (2007-2011), Director of Communities in Schools (2004-2010), and Director of Mutual Fund Education Alliance (until 2010).
Cheryl D. Alston 151 Detroit Street Denver, CO 80206 DOB: 1966	Trustee	8/22- Present	Executive Director and Chief Investment Officer, Employees' Retirement Fund of the City of Dallas (since 2004).	48	Director of Blue Cross Blue Shield of Kansas City (a not-for-profit health insurance provider) (since 2016) and Director of Global Life Insurance (life and supplemental health insurance provider) (since 2017). Formerly, Director of Federal Home Loan Bank of Dallas (2017-2021).

# **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste  William D. Cvengros 151 Detroit Street Denver, CO 80206 DOB: 1948	Trustee	1/11- Present	Chief Executive Officer of SJC Capital, LLC (a personal investment company and consulting firm) (since 2002). Formerly, Chief Executive Officer and President of PIMCO Advisors Holdings L.P. (a publicly traded investment management firm) (1994-2000), and Chief Investment Officer (1987- 1994) and Vice Chairman and Director (1990- 1994) of Pacific Life Insurance Company (a mutual life insurance and annuity company) (1987-1994).	48	Board Member, Revitate Capital (alternate asset manager) (since 2023), Member, Limited Partner Advisory Committee, Karmel Capital Fund III (later stage growth fund) (since 2022), Member of the Investment Committee for the Orange County Community Foundation (a grantmaking foundation) (since 2020), Advisory Board Member, RevOZ Fund LP and related funds (real estate investments for opportunity zones) (since 2020), and Advisory Board Member, Innovate Partners Emerging Growth and Equity Fund I (early stage venture capital fund) (since 2014). Formerly, Managing Trustee of National Retirement Partners Liquidating Trust (2013-2016), Chairman, National Retirement Partners, Inc. (formerly a network of advisors to 401(k) plans) (2005-2013), Director of Prospect Acquisition Corp. (a special purpose acquisition corporation) (2007-2009), Director of RemedyTemp, Inc. (temporary help services company) (1996-2006), and Trustee of PIMCO Funds Multi-Manager Series (1990-2000) and Pacific Life Variable Life & Annuity Trusts (1987-1994).

# **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Raudline Etienne 151 Detroit Street Denver, CO 80206 DOB: 1965	Trustee	6/16- Present	Founder, Daraja Capital (advisory and investment firm) (since 2016). Formerly, Senior Vice President and Senior Advisor, Albright Stonebridge Group LLC (global strategy firm) (2011-2021), and Deputy Comptroller and Chief Investment Officer, New York State Common Retirement Fund (public pension fund) (2008- 2011).	48	Member of the Investment Committee for Cooper Union (private college) (since 2021) and Director of Brightwood Capital Advisors, LLC (since 2014). Formerly, Board Member, Van Alen Institute (nonprofit architectural and design organization) (2019-2022).

# **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Darrell B. Jackson 151 Detroit Street Denver, CO 80206 DOB: 1958	Trustee	8/22- Present	President and Chief Executive Officer, The Efficace Group Inc. (since 2018). Formerly, President and Chief Executive Officer, Seaway Bank and Trust Company (community bank) (2014-2015), and Executive Vice President and Co- President, Wealth Management (2009-2014), and several senior positions, including Group Executive, Senior Vice President, and Vice President (1995- 2009) of Northern Trust Company (financial services company) (1995- 2014).	48	Advisory Board Member, Dome Construction (construction) (since 2023), Director of Amalgamated Financial Corp (bank) (since August 2021), Director of YR Media (a not-for-profit production company) (since 2021), and Director of Gray-Bowen-Scott (transportation project consulting firm) (since April 2020). Formerly, Director of Delaware Place Bank (closely held commercial bank) (2016-2018) and Director of Seaway Bank and Trust Company (2014- 2015).

# **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
William F. McCalpin 151 Detroit Street Denver, CO 80206 DOB: 1957	Trustee	6/02- Present	Chief Executive Officer, muun chi LLC (organic food business) (since 2022) and Independent Consultant (since 2019). Formerly, Chief Operating Officer, muun chi LLC (2020-2022), Managing Partner, Impact Investments, Athena Capital Advisors LLC (independent registered investment advisor) (2016- 2019), Managing Director, Holos Consulting LLC (provides consulting services to foundations and other nonprofit organizations) (2009-2016), Chief Executive Officer, Imprint Capital Advisors (impact investment firm) (2013-2015), and Executive Vice President and Chief Operating Officer of The Rockefeller Brothers Fund (a private family foundation) (1998- 2006).	48	Chairman of the Board of The Investment Fund for Foundations Investment Program (TIP) (consisting of 1 fund) (since 2008). Formerly, Trustee, TIP (2008-2023), Director of the F.B. Heron Foundation (a private grantmaking foundation) (2006-2022), and Director of Mutual Fund Directors Forum (a nonprofit organization serving independent directors of U.S. mutual funds) (2016-2021).

# **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Length of Time Served	Principal Occupations During the Past Five Years	Number of Portfolios/Funds in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During the Past Five Years
Independent Truste	es				
Gary A. Poliner 151 Detroit Street Denver, CO 80206 DOB: 1953	Trustee	6/16- Present	Retired. Formerly, President (2010- 2013) of Northwestern Mutual Life Insurance Company.	48	Formerly, Director of MGIC Investment Corporation (private mortgage insurance) (2013-2023), Director, West Bend Mutual Insurance Company (property/casualty insurance) (2013-2021), Trustee of Northwestern Mutual Life Insurance Company (2010-2013) and Director of Frank Russell Company (global asset management firm) (2008-2013).
Diane L. Wallace 151 Detroit Street Denver, CO 80206 DOB: 1958	Trustee	6/17- Present	Retired. Formerly, Chief Operating Officer, Senior Vice President-Operations, and Chief Financial Officer for Driehaus Capital Management, LLC (1988-2006) and Treasurer for Driehaus Mutual Funds (1996-2002).	48	Formerly, Director of Family Service of Lake County (2019-2021), Independent Trustee, Henderson Global Funds (13 portfolios) (2015-2017), Independent Trustee, State Farm Associates' Funds Trust, State Farm Mutual Fund Trust, and State Farm Variable Product Trust (28 portfolios) (2013-2017).

# **Trustees and Officers (unaudited)**

Name, Address, and Age	Positions Held with the Trust	Term of Office* and Length of Time Served	Principal Occupations During the Past Five Years
Matthew Peron 151 Detroit Street Denver, CO 80206 DOB: 1968	Executive Vice President and Co-Portfolio Manager Janus Henderson Research Portfolio	4/20-Present	Director of Research of the Adviser, Global Head of Solutions, and Portfolio Manager for other Janus Henderson accounts. Formerly, Chief Investment Officer for City National Rochdale (2018-2020), Executive Vice President and Managing Director of Global Equity at Northern Trust (2005-2018).
Michelle Rosenberg 151 Detroit Street Denver, CO 80206 DOB: 1973	President and Chief Executive Officer	9/22-Present	General Counsel and Corporate Secretary of Janus Henderson Investors (since 2018). Formerly, Interim President and Chief Executive Officer of the Trust and Janus Investment Fund (2022), Senior Vice President and Head of Legal, North America of Janus Henderson Investors (2017-2018) and Deputy General Counsel of Janus Henderson US (Holdings) Inc. (2015-2018).
Kristin Mariani 151 Detroit Street Denver, CO 80206 DOB: 1966	Vice President and Chief Compliance Officer	7/20-Present	Head of Compliance, North America at Janus Henderson Investors (since September 2020) and Chief Compliance Officer at Janus Henderson Investors US LLC (since September 2017). Formerly, Anti-Money Laundering Officer for the Trust and Janus Investment Fund (July 2020-December 2022), Global Head of Investment Management Compliance at Janus Henderson Investors (February 2019-August 2020), Vice President, Head of Global Distribution Compliance and Chief Compliance Officer at Janus Henderson Distributors US LLC (May 2017-September 2017), Vice President, Compliance at Janus Henderson US (Holdings) Inc., Janus Henderson Investors US LLC, and Janus Henderson Distributors US LLC (2009-2017).

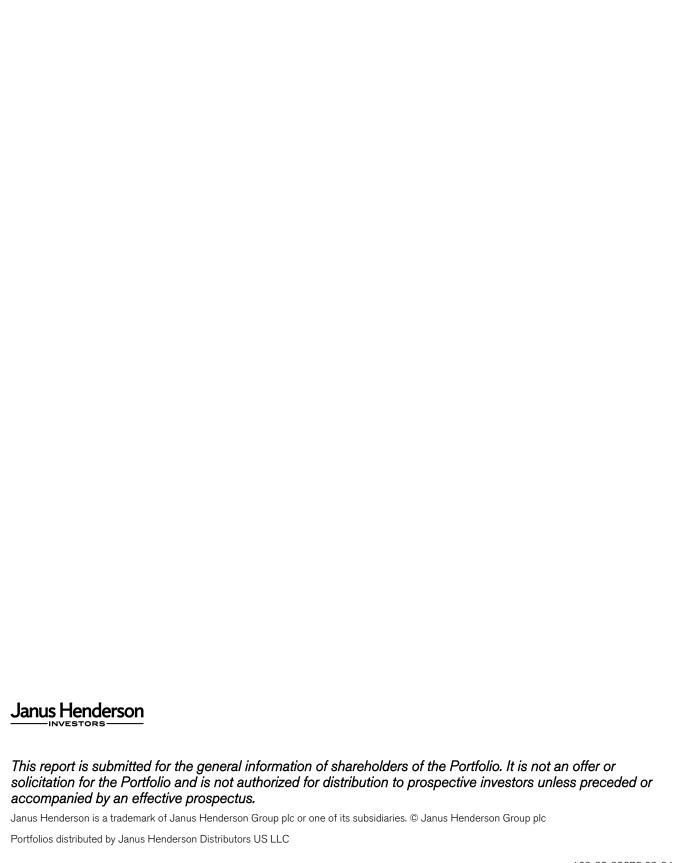
<sup>\*</sup> Officers are elected at least annually by the Trustees for a one-year term and may also be elected from time to time by the Trustees for an interim period.

**Trustees and Officers (unaudited)** 

### **OFFICERS**

Name, Address, and Age	Positions Held with the Trust	Term of Office* and Length of Time Served	Principal Occupations During the Past Five Years
Jesper Nergaard 151 Detroit Street Denver, CO 80206 DOB: 1962	Chief Financial Officer  Vice President, Treasurer, and Principal Accounting Officer	3/05-Present 2/05-Present	Head of U.S. Fund Administration, Janus Henderson Investors and Janus Henderson Services US LLC.
Abigail J. Murray 151 Detroit Street Denver, CO 80206 DOB: 1975	Vice President, Chief Legal Counsel, and Secretary	12/20-Present	Managing Counsel (since 2020). Formerly, Senior Counsel for Invesco Ltd. (2017-2020).
Ciaran Askin 151 Detroit Street Denver, CO 80206 DOB: 1978	Anti-Money Laundering Officer	12/22-Present	Global Head of Financial Crime, Janus Henderson Investors (since 2022). Formerly, Global Head of Financial Crime for Invesco Ltd. (2017-2022).

<sup>\*</sup> Officers are elected at least annually by the Trustees for a one-year term and may also be elected from time to time by the Trustees for an interim period.





### **ANNUAL REPORT**

December 31, 2023

T. ROWE PRICE

# **Equity Income Portfolio**

For more insights from T. Rowe Price investment professionals, go to **troweprice.com**.

#### **HIGHLIGHTS**

- The Equity Income Portfolio underperformed the Russell 1000 Value Index and its Lipper peer group for the 12 months ended December 31, 2023.
- For most of the year, we contended with a narrow market, in which valuation and dividend yield were not in favor. Top relative detractors were focused in the communication services and materials sectors, where some of our holdings underperformed due to idiosyncratic reasons. Strong contributors were found in industrials and energy.
- Changes in sector allocations resulted from bottom-up stock selection. Our focus on valuation and a willingness to invest in names
  under near-term stress benefited the portfolio's returns. More recently, we found opportunities in defensive names given the strength in
  higher-beta stocks.
- Going forward, our aim is to maintain a portfolio that is balanced for a variety of market settings, while also investing in opportunities that have particularly attractive risk/reward characteristics. As always, our focus is on investing in higher-quality companies that offer compelling valuations, attractive long-term fundamentals, and strong dividend yields.

# Go Paperless

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- Timely delivery of important documents
- Convenient access to your documents anytime, anywhere
- Strong security protocols to safeguard sensitive data

# Waive your account service fee by going paperless.\*

#### To Enroll:

If you invest directly with T. Rowe Price, go to troweprice.com/paperless.

If you invest through a financial intermediary such as an investment advisor, a bank, or a brokerage firm, please contact that organization and ask if it can provide electronic documentation.

Log in to your account at **troweprice.com** for more information.

\*An account service fee will be charged annually for each T. Rowe Price mutual fund account unless you meet criteria for a fee waiver. Go to troweprice. com/personal-investing/help/fees-and-minimums.html to learn more about this account service fee, including other ways to waive it.

Market Commentary

## **Dear Investor**

Global stock and bond indexes were broadly positive during 2023 as most economies managed to avoid the recession that was widely predicted at the start of the year. Technology companies benefited from investor enthusiasm for artificial intelligence developments and led the equity rally, while fixed income benchmarks rebounded late in the year amid falling interest rates.

For the 12-month period, the technology-oriented Nasdaq Composite Index rose about 43%, reaching a record high and producing the strongest result of the major benchmarks. Growth stocks outperformed value shares, and developed market stocks generally outpaced their emerging markets counterparts. Currency movements were mixed over the period, although a weaker dollar versus major European currencies was beneficial for U.S. investors in European securities.

Within the S&P 500 Index, which finished the year just short of the record level it reached in early 2022, the information technology, communication services, and consumer discretionary sectors were all lifted by the tech rally and recorded significant gains. A small group of tech-oriented mega-cap companies helped drive much of the market's advance. Conversely, the defensive utilities sector had the weakest returns in the growth-focused environment, and the energy sector also lost ground amid declining oil prices. The financials sector bounced back from the failure of three large regional banks in the spring and was one of the topperforming segments in the second half of the year.

The U.S. economy was the strongest among the major markets during the period, with gross domestic product growth coming in at 4.9% in the third quarter, the highest since the end of 2021. Corporate fundamentals were also broadly supportive. Year-over-year earnings growth contracted in the first and second quarters of 2023, but results were better than expected, and earnings growth turned positive again in the third quarter. Markets remained resilient despite a debt ceiling standoff in the U.S., the outbreak of war in the Middle East, the continuing conflict between Russia and Ukraine, and a sluggish economic recovery in China.

Inflation remained a concern, but investors were encouraged by the slowing pace of price increases as well as the possibility that the Federal Reserve was nearing the end of its rate-hiking cycle. The Fed held rates steady after raising its short-term lending benchmark rate to a target range of 5.25% to 5.50% in July, the highest level since March 2001, and at its final meeting of the year in December, the central bank indicated that there could be three 25-basis-point rate cuts in 2024.

The yield of the benchmark 10-year U.S. Treasury note briefly reached 5.00% in October for the first time since late 2007 before falling back to 3.88% by period-end, the same level where it started the year, amid cooler-than-expected inflation readings and less-hawkish Fed rhetoric. Fixed income benchmarks were lifted late in the year by falling yields. Investment-grade and high yield corporate bonds produced solid returns, supported by the higher coupons that have become available over the past year, as well as increasing hopes that the economy might be able to avoid a recession.

Global economies and markets showed surprising resilience in 2023, but considerable uncertainty remains as we look ahead. Geopolitical events, the path of monetary policy, and the impact of the Fed's rate hikes on the economy all raise the potential for additional volatility. We believe this environment makes skilled active management a critical tool for identifying risks and opportunities, and our investment teams will continue to use fundamental research to help identify securities that can add value to your portfolio over the long term.

Thank you for your continued confidence in T. Rowe Price.

Sincerely,

Robert Sharps
CEO and President

Solut Ju. Shenfre

Management's Discussion of Fund Performance

#### **INVESTMENT OBJECTIVE**

The fund seeks a high level of dividend income and long-term capital growth primarily through investments in stocks.

#### **FUND COMMENTARY**

#### How did the fund perform in the past 12 months?

The Equity Income Portfolio returned 9.54 % for the 12-month period ended December 31, 2023. The portfolio underperformed the Russell 1000 Value Index and its peer group, the Lipper Variable Annuity Underlying Equity Income Funds Average. (Returns for the II Class shares varied slightly, reflecting their different fee structure. *Past performance cannot guarantee future results.*)

Total Return				
6 Months	12 Months			
6.91%	9.54%			
6.84	9.31			
6.03	11.46			
8.04	26.29			
6.01	10.04			
	6 Months 6.91% 6.84 6.03 8.04			

#### What factors influenced the fund's performance?

U.S. equities produced strong gains in 2023, driven by generally favorable corporate earnings, a resilient economy, and increased investor interest in artificial intelligence. Within the portfolio, sector allocation drove relative underperformance, while our favorable stock picks tempered losses.

Our underweight exposure to the communication services sector detracted from relative results, as did select names within the sector. In the interactive media and services space, our underweight to Meta Platforms, which was removed from the Russell 1000 Value Index in June, was a notable headwind over the first half of 2023 as the stock advanced significantly following a shift to a cost focus. The company continued to perform well as it experienced a rebound in digital ad spending and improved monetization trends. Walt Disney shares also hindered relative results as the company struggled with weak Disney+ subscriber growth, a slowdown in park attendance, and a weakening in linear TV profits and revenues. (Please refer to the portfolio of investments for a complete list of holdings and the amount each represents in the portfolio.)

After a strong performance the previous year, CF Industries in the materials sector underperformed amid a volatile backdrop for fertilizer demand and pricing. Early in 2023, weak fertilizer demand pressured shares, although the hydrogen and nitrogen products manufacturer benefited from improved sentiment around the fertilizer cycle midyear. However, weak nitrogen pricing late in the year again weighed on the stock. We continue to own a significant position in CF Industries as we believe that fundamentals for the company will improve in 2024.

Our stock choices in the consumer staples sector was also a hindrance, notably Conagra Brands. The packaged food company's shares declined due to challenges from higher inflation and weaker volume trends caused by as a result supply chain disruptions from its largest frozen food supplier. Increased competition from other food companies and persistent sales growth concerns also negatively impacted shares. More broadly, accelerated demand for weight loss drugs raised concerns about the long-term effect on food and beverage stocks, which also pulled back performance.

On a positive note, our industrials and business services sector holdings added the most to relative results. Specifically, GE recorded a double-digit return as the diversified conglomerate's shares advanced significantly on a better-than-expected recovery in the aviation industry, improvement in its renewables segment, and positive sentiment following the spinoff of its health care business early in 2023.

In energy, TotalEnergies helped relative performance as its shares outpaced the sector with a double-digit return as the French oil and gas major benefited from continued low-cost production growth and shareholder-friendly capital allocation policies. TotalEnergies is a long-term holding, and we continue to value the company's ability to execute in uncertain environments, its focus on returning cash to shareholders, and its attractive dividend yield.

#### How is the fund positioned?

The Equity Income Portfolio seeks to buy well-established, large-cap companies that have a strong record of paying dividends and appear to be undervalued by the market. The portfolio's holdings tend to be solid, higher-quality companies going through a period of controversy or stress, reflecting our dual focus on valuation and dividend yield. Each position is the product of careful stock picking based on the fundamental research generated by T. Rowe Price's equity analyst team, as opposed to broader market or macroeconomic trends.

Top purchases covered varied sectors of the market. In financials, we leaned heavily into wealth platform Charles Schwab over the second half of the year, as we believe the market underappreciates how quickly net interest margins are likely to improve. We also value the company's competitive positioning in fast-growing wealth channels and the strength of its platform and the markets it serves. We also added to our position in U.S. Bancorp, one of the largest U.S. banks, for its defensive credit profile and attractive valuation.

In industrials and business services, we initiated a position in Norfolk Southern, a railroad company that primarily operates in the eastern U.S. and services a diverse set of end markets, including agricultural, metals, and chemicals. In our view, the company should benefit from a strong industry backdrop, margin improvements, optionality around growth, and continued capital return. We also found compelling opportunities in consumer staples. We started positions in (1) Kenvue, a consumer health company that we believe has room for operational improvement, margin expansion, and free cash flow conversion, and (2) in Colgate-Palmolive, a household and consumer products company with leading market share in several key categories whose efforts to stabilize market share through premium product innovation and increased ad spend could positively impact shares.

SECTOR DIVERSIFICATION			
	Percent of Net Assets		
	6/30/23	12/31/23	
Financials	20.7%	23.0%	
Health Care	17.4	15.6	
Industrials and Business Services	11.8	12.8	
Information Technology	8.0	8.7	
Energy	8.1	8.5	
Consumer Staples	7.7	8.2	
Utilities	7.3	6.4	
Communication Services	4.6	4.7	
Real Estate	4.1	4.1	
Consumer Discretionary	5.0	3.9	
Materials	3.5	3.1	
Other and Reserves	1.8	1.0	
Total	100.0%	100.0%	

Historical weightings reflect current industry/sector classifications.

The views expressed reflect the opinions of T. Rowe Price as of the date of this report and are subject to change based on changes in market, economic, or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

Turning to sales, our largest sale was reducing our position in GE, of which we sold shares to manage our position size. We continue to have a significant overweight in the diversified conglomerate and remain confident that the company will continue to benefit from a recovery in the aerospace business and further streamlining of its portfolio of assets. In utilities, we reduced our position in Sempra, although we continue to find value in its Texas and California utilities and the liquefied natural gas projects in its infrastructure business. In financials, we sold shares of investment bank Goldman Sachs to moderate our capital markets industry exposure.

#### What is portfolio management's outlook?

The market was data-point-driven throughout 2023, and the fourth quarter was no exception as the market rallied sharply on favorable inflation and employment news. While all eyes remain on the direction of monetary policy, we believe that the Federal Reserve will also be heavily influenced by new data. We therefore expect the market will continue to be volatile, switching between optimism and pessimism depending on the next data point.

This backdrop creates a wide range of potential outcomes, and the likelihood of a recession versus a "soft landing" is largely unknown. We believe that our portfolio has a careful balance of both offensive holdings, which should do well if the market moves higher, and defensive holdings, which should perform well if the market moves lower. Going forward, our focus will remain on taking advantage of compelling opportunities as they arise. Ultimately, we believe that individual stock picking will be critical and that our understanding of the company fundamentals of portfolio holdings as well as our valuation discipline and long-term investment horizon will help serve shareholders well over time.

#### **RISKS OF INVESTING IN THE FUND**

#### **DIVIDEND-PAYING STOCKS**

The fund's emphasis on dividend-paying stocks could cause the fund to underperform similar funds that invest without consideration of a company's track record of paying dividends. There is no guarantee that the issuers of the stocks held by the fund will declare dividends in the future or that, if dividends are declared, they will remain at their current levels or increase over time. For example, a sharp rise in interest rates or an economic downturn could cause a company to unexpectedly reduce or eliminate its dividend. In addition, stocks of companies with a history of paying dividends may not benefit from a broad market advance to the same degree as the overall stock market.

#### STOCK INVESTING

The fund's share price can fall because of weakness in the overall stock markets, a particular industry, or specific holdings. Stock markets as a whole can be volatile and decline for many reasons, such as adverse local, political, regulatory, or economic developments; changes in investor psychology; or heavy institutional selling at the same time by major institutional investors in the market, such as mutual funds, pension funds, and banks. The prospects for an industry or company may deteriorate because of a variety of factors, including disappointing earnings or changes in the competitive environment. In addition, the adviser's assessment of companies whose stocks are held by the fund may prove incorrect, resulting in losses or poor performance, even in rising markets. In the event an issuer is liquidated or declares bankruptcy, the claims of owners of the issuer's bonds and preferred stock take precedence over the claims of those who own common stock.

For a more thorough discussion of risks, please see the fund's prospectus.

#### **BENCHMARK INFORMATION**

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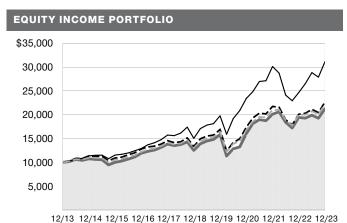
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#### TWENTY-FIVE LARGEST HOLDINGS Percent of **Net Assets** 12/31/23 Wells Fargo 3.0% TotalEnergies 3.0 QUALCOMM 2.9 Southern 2.6 2.6 American International Group General Electric 2.4 Elevance Health 2.3 News 2.2 Chubb 2.2 CF Industries Holdings 1.8 Becton Dickinson & Company 1.8 L3Harris Technologies 1.8 1.7 1.7 Weyerhaeuser Equitable Holdings 1.7 Philip Morris International 1.7 Microsoft 1.7 Charles Schwab 1.6 MetLife 1.5 U.S. Bancorp 1.4 **Equity Residential** 1.3 1.3 **Dominion Energy** Zimmer Biomet Holdings 1.3 Exxon Mobil 1.3 Fifth Third Bancorp 1.3 Total 48.1%

Note: The information shown does not reflect any exchange-traded funds (ETFs), cash reserves, or collateral for securities lending that may be held in the portfolio.

#### **GROWTH OF \$10,000**

This chart shows the value of a hypothetical \$10,000 investment in the portfolio over the past 10 fiscal year periods or since inception (for portfolios lacking 10-year records). The result is compared with benchmarks, which include a broad-based market index and may also include a peer group average or index. Market indexes do not include expenses, which are deducted from portfolio returns as well as mutual fund averages and indexes.



As of 12/31/23

		7.5 0. 12,0 1,20
_	Equity Income Portfolio	\$21,276
	Russell 1000 Value Index	22,399
_	S&P 500 Index	31,149
	Lipper Variable Annuity Underlying	22,012

Note: Performance for the II Class shares will vary due to their differing fee structure. See the Average Annual Compound Total Return table.

#### **AVERAGE ANNUAL COMPOUND TOTAL RETURN**

Equity Income Funds Average

Periods Ended 12/31/23	1 Year	5 Years	10 Years
Equity Income Portfolio	9.54%	11.20%	7.84%
Equity Income Portfolio-II	9.31	10.92	7.57

The fund's performance information represents only past performance and is not necessarily an indication of future results. Current performance may be lower or higher than the performance data cited. Share price, principal value, and return will vary, and you may have a gain or loss when you sell your shares. For the most recent month-end performance, please contact a T. Rowe Price representative at 1-800-469-6587 (financial advisors, or customers who have an advisor, should call 1-800-638-8790). Returns do not reflect taxes that the shareholder may pay on distributions or the redemption of shares. Total returns do not include charges imposed by your insurance company's separate account. If these had been included, performance would have been lower.

This table shows how the portfolio would have performed each year if its actual (or cumulative) returns for the periods shown had been earned at a constant rate. Average annual total return figures include changes in principal value, reinvested dividends, and capital gain distributions. When assessing performance, investors should consider both short- and long-term returns.

#### **FUND EXPENSE EXAMPLE**

As a mutual fund shareholder, you may incur two types of costs: (1) transaction costs, such as redemption fees or sales loads, and (2) ongoing costs, including management fees, distribution and service (12b-1) fees, and other fund expenses. The following example is intended to help you understand your ongoing costs (in dollars) of investing in the fund and to compare these costs with the ongoing costs of investing in other mutual funds. The example is based on an investment of \$1,000 invested at the beginning of the most recent six-month period and held for the entire period.

Shares of the fund are currently offered only through certain insurance companies as an investment medium for both variable annuity contracts and variable life insurance policies. Please note that the fund has two classes of shares: the original share class and the II Class. The II Class shares are sold through financial intermediaries, which are compensated for distribution, shareholder servicing, and/or certain administrative services under a Board-approved Rule 12b-1 plan.

#### **Actual Expenses**

The first line of the following table (Actual) provides information about actual account values and actual expenses. You may use the information on this line, together with your account balance, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number on the first line under the heading "Expenses Paid During Period" to estimate the expenses you paid on your account during this period.

#### **Hypothetical Example for Comparison Purposes**

The information on the second line of the table (Hypothetical) is based on hypothetical account values and expenses derived from the fund's actual expense ratio and an assumed 5% per year rate of return before expenses (not the fund's actual return). You may compare the ongoing costs of investing in the fund with other funds by contrasting this 5% hypothetical example and the 5% hypothetical examples that appear in the shareholder reports of the other funds. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period.

You should also be aware that the expenses shown in the table highlight only your ongoing costs and do not reflect any transaction costs, such as redemption fees or sales loads. Therefore, the second line of the table is useful in comparing ongoing costs only and will not help you determine the relative total costs of owning different funds. To the extent a fund charges transaction costs, however, the total cost of owning that fund is higher.

#### **FUND EXPENSE EXAMPLE (CONTINUED)**

EQUITY INCOME PORTFOLIO						
	Beginning Account Value 7/1/23	Ending Account Value 12/31/23	Expenses Paid During Period* 7/1/23 to 12/31/23			
Equity Income Portfolio						
Actual	\$1,000.00	\$1,069.10	\$3.86			
Hypothetical (assumes 5% return before expenses)	1,000.00	1,021.48	3.77			
Equity Income Portfolio-II						
Actual	1,000.00	1,068.40	5.16			
Hypothetical (assumes 5% return before expenses)	1,000.00	1,020.21	5.04			

<sup>\*</sup> Expenses are equal to the fund's annualized expense ratio for the 6-month period, multiplied by the average account value over the period, multiplied by the number of days in the most recent fiscal half year (184), and divided by the days in the year (365) to reflect the half-year period. The annualized expense ratio of the Equity Income Portfolio was 0.74%, and the Equity Income Portfolio-II was 0.99%.

### FINANCIAL HIGHLIGHTS

For a share outstanding throughout each period

Equity Income Portfolio Class										
		Year								
		Ended								
	1	2/31/23	1	2/31/22	1	12/31/21	1	12/31/20	1	2/31/19
NET ASSET VALUE										
Beginning of period	. \$	27.01	\$	30.07	\$	26.21	\$	27.13	\$	23.36
Investment activities										
Net investment income <sup>(1)(2)</sup>		0.56		0.57		0.48		0.54		0.61
Net realized and unrealized gain/loss		1.94		(1.60)		6.12		(0.34)		5.49
Total from investment activities		2.50		(1.03)		6.60		0.20		6.10
Distributions										
Net investment income		(0.57)		(0.55)		(0.48)		(0.55)		(0.62)
Net realized gain		(1.18)		(1.48)		(2.26)		(0.57)		(1.71)
Total distributions		(1.75)		(2.03)		(2.74)		(1.12)		(2.33)
NET ASSET VALUE										
End of period	\$	27.76	\$	27.01	\$	30.07	\$	26.21	\$	27.13
Ratios/Supplemental Data										
Total return <sup>(2)(3)</sup>		9.54%		(3.34)%		25.55%		1.18%		26.40%
Ratios to average net assets:(2)										
Gross expenses before waivers/payments by Price										
Associates		0.85%		0.85%		0.85%		0.85%		0.85%
Net expenses after waivers/payments by Price										
Associates		0.74%		0.74%		0.74%		0.74%		0.74%
Net investment income		2.05%		1.96%		1.60%		2.30%		2.31%
Portfolio turnover rate		17.5%		18.3%		19.8%		27.7%		19.5%
Net assets, end of period (in millions)	\$	429	\$	434	\$	491	\$	430	\$	477

<sup>(1)</sup> Per share amounts calculated using average shares outstanding method.

<sup>(2)</sup> See Note 6 for details of expense-related arrangements with Price Associates.

<sup>(3)</sup> Total return reflects the rate that an investor would have earned on an investment in the fund during each period, assuming reinvestment of all distributions, and payment of no redemption or account fees, if applicable.

### FINANCIAL HIGHLIGHTS

For a share outstanding throughout each period

Equity Income Portfolio - II Class						
		Year				
		Ended				
		12/31/23	12/31/22	12/31/21	12/31/20	12/31/19
NET ASSET VALUE		22.25	00.04	00.40	07.04	
Beginning of period	. \$	26.85	\$ 29.91	\$ 26.10	\$ 27.01	\$ 23.27
Investment activities						
Net investment income <sup>(1)(2)</sup>		0.49	0.50	0.41	0.48	0.55
Net realized and unrealized gain/loss		1.94	(1.60)	6.08	(0.33)	5.45
Total from investment activities		2.43	 (1.10)	 6.49	 0.15	 6.00
Distributions						
Net investment income		(0.51)	(0.48)	(0.42)	(0.49)	(0.55)
Net realized gain		(1.18)	 (1.48)	 (2.26)	 (0.57)	 (1.71)
Total distributions		(1.69)	 (1.96)	 (2.68)	 (1.06)	 (2.26)
NET ASSET VALUE						
End of period	\$	27.59	\$ 26.85	\$ 29.91	\$ 26.10	\$ 27.01
Ratios/Supplemental Data						
Total return <sup>(2)(3)</sup>		9.31%	 (3.59)%	 25.22%	 0.96%	 26.04%
Ratios to average net assets:(2)						
Gross expenses before waivers/payments by Price						
Associates		1.10%	 1.10%	 1.10%	 1.10%	 1.10%
Net expenses after waivers/payments by Price						
Associates		0.99%	 0.99%	 0.99%	 0.99%	 0.99%
Net investment income		1.81%	 1.73%	 1.36%	 2.05%	 2.07%
Portfolio turnover rate		17.5%	 18.3%	 19.8%	 27.7%	 19.5%
Net assets, end of period (in thousands)	\$	306,457	\$ 283,936	\$ 295,512	\$ 236,856	\$ 238,540

<sup>(1)</sup> Per share amounts calculated using average shares outstanding method.

 $<sup>\</sup>ensuremath{^{(2)}}$  See Note 6 for details of expense-related arrangements with Price Associates.

<sup>(3)</sup> Total return reflects the rate that an investor would have earned on an investment in the fund during each period, assuming reinvestment of all distributions, and payment of no redemption or account fees, if applicable.

December 31, 2023

PORTFOLIO OF INVESTMENTS*	Shares	\$ Value		Shares	\$ Value
Cost and value in \$000s)			(Cost and value in \$000s)		
COMMON STOCKS 97.6%			Kimberly-Clark	61,494	7,47
COMMUNICATION SERVICES 4.7%			Personal Care Products 1.0%		12,27
Diversified Telecommunication			Kenvue	329,472	7,09
Services 0.8%					7,09
AT&T	64,010	1,074	Tobacco 1.7%		
Verizon Communications	126,702	4,777	Philip Morris International	131,371	12,35
		5,851			12,35
Entertainment 1.1%			Total Consumer Staples		59,12
Walt Disney	92,104	8,316	ENERGY 8.5%		
		8,316	Oil, Gas & Consumable Fuels 8.5%		
Interactive Media & Services 0.2%			•	0.470	4 444
Meta Platforms, Class A (1)	3,500	1,239	Chevron ConocoPhillips	9,470 14,600	1,412
		1,239	Enbridge	121,200	4,366
Media 2.6%			EOG Resources	48,796	5,902
Comcast, Class A	56,933	2,496	EQT	75,795	2,930
News, Class A	597,630	14,672	Exxon Mobil	97,520	9,75
News, Class B	61,103	1,572	Hess	42,545	6,13
		18,740	Suncor Energy	110,700	3,54
Total Communication Services		34,146	TC Energy	77,420	3,026
CONSUMER DISCRETIONARY 2.7%			TotalEnergies (EUR)	268,030	18,220
Broadline Retail 0.5%			TotalEnergies, ADR	51,578	3,47
Kohl's	123,593	3,545	Williams	69,300	2,414
		3,545	Total Energy		62,876
Hotels, Restaurants & Leisure 1.0%		0,040	FINANCIALS 23.0%		
Las Vegas Sands	151,469	7,454	Banks 8.9%		
		7,454	Bank of America	112,475	3,787
Leisure Products 0.5%			Citigroup	80,662	4,149
Mattel (1)	203,920	3,850	Fifth Third Bancorp	280,906	9,688
Matter (1)		3,850	Huntington Bancshares	591,011	7,518
Specialty Retail 0.7%		3,030	JPMorgan Chase	49,489 229,716	8,418 9,942
	00.450	0.610	U.S. Bancorp Wells Fargo	446,236	21,964
Best Buy TJX	33,456 24,143	2,619 2,265	weis i aigo		
		4,884	Capital Markets 2.7%		65,466
Total Canaumar Diagratianary			Bank of New York Mellon	29,500	1,535
Total Consumer Discretionary CONSUMER STAPLES 8.2%		19,733	Carlyle Group	15,100	614
			Charles Schwab	171,389	11,792
Beverages 0.3%			Goldman Sachs Group	6,686	2,579
Constellation Brands, Class A	8,200	1,982	Morgan Stanley	33,723	3,145
		1,982			19,665
Consumer Staples Distribution & Retail 1.3%			Financial Services 3.1%		
	40.000	4 = 0.4	Apollo Global Management	20,821	1,940
Dollar General	13,200	1,794	Equitable Holdings	371,231	12,362
Walmart	48,682	7,675	Fiserv (1)	62,424	8,293
Food Bradwate 0.00/		9,469			22,595
Food Products 2.2%			Insurance 8.3%		
Conagra Brands	303,601	8,701	American International Group	280,109	18,977
Mondelez International, Class A	14,969	1,085	Chubb	71,277	16,109
Tyson Foods, Class A	114,626	6,161	Hartford Financial Services Group	95,555	7,68
		15,947	Loews	109,327	7,608
Household Products 1.7%			MetLife	163,685	10,824
Colgate-Palmolive	60,214	4,800			61,199
			Total Financials		168,925
			iotai i irianoiais		100,9

	Shares	\$ Value		Shares	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
HEALTH CARE 15.6%			Machinery 1.7%		
Biotechnology 1.0%			Cummins	9,700	2,324
AbbVie	32,593	5,051	Flowserve	22,166	913
Biogen (1)	9,506	2,460	Stanley Black & Decker	95,463	9,365
		7,511			12,602
Health Care Equipment &			Passenger Airlines 0.9%		
Supplies 4.5%			Southwest Airlines	220,337	6,363
Becton Dickinson & Company	54,450	13,277			6,363
GE HealthCare Technologies	48,636	3,761	Total Industrials & Business Services		94,046
Medtronic	75,095	6,186	<b>INFORMATION TECHNOLOGY 8.7%</b>		
Zimmer Biomet Holdings	80,700	9,821	Communications Equipment 0.2%		
		33,045	Cisco Systems	27,928	1,411
Health Care Providers &			Olaco dystema	27,520	1,411
Services 5.0%			Electronic Equipment, Instruments		
Cardinal Health	11,000	1,109	& Components 0.5%		
Centene (1)	21,580	1,601	TE Connectivity	26,820	3,768
Cigna Group	26,271	7,867	TE Connectivity	20,020	
CVS Health	112,709	8,900	IT Services 0.5%		3,768
Elevance Health	35,726	16,847		44.405	4 000
Humana	1,600	732	Accenture, Class A	11,405	4,002
Disample of 5 40/		37,056			4,002
Pharmaceuticals 5.1%			Semiconductors & Semiconductor		
AstraZeneca, ADR	71,600	4,822	Equipment 5.0%		
Johnson & Johnson	54,238	8,501	Advanced Micro Devices (1)	3,200	472
Merck	60,357	6,580	Applied Materials	53,229	8,627
Pfizer	256,425	7,383	Intel	13,800	693
Sanofi (EUR) Sanofi, ADR	44,804 13,900	4,453 691	QUALCOMM	145,258	21,008
Viatris	476,100	5,156	Texas Instruments	37,098	6,324
VICINI			0-6 170/		37,124
		37,586	Software 1.7%		
Total Health Care		115,198	Microsoft	32,697	12,295
INDUSTRIALS & BUSINESS					12,295
SERVICES 12.8%			Technology Hardware, Storage &		
Aerospace & Defense 3.5%			Peripherals 0.8%		
Boeing (1)	48,976	12,766	Samsung Electronics (KRW)	101,990	6,190
L3Harris Technologies	62,622	13,190			6,190
		25,956	Total Information Technology		64,790
Air Freight & Logistics 1.0%			MATERIALS 3.1%		
United Parcel Service, Class B	46,246	7,271	Chemicals 2.0%		
		7,271	CF Industries Holdings	168,257	13,377
Commercial Services &			International Flavors & Fragrances	20,506	1,660
Supplies 0.5%			international reasons at ragicalises		15,037
Stericycle (1)	71,657	3,551	Containers & Packaging 1.1%		13,037
		3,551	International Paper	229,239	8,287
Ground Transportation 1.2%			iliterilational Fapei	229,239	
Norfolk Southern	22,800	5,389			8,287
Union Pacific	14,834	3,644	Total Materials		23,324
		9,033	REAL ESTATE 4.1%		
Industrial Conglomerates 4.0%			Health Care Real Estate Investment		
3M	14,800	1,618	Trusts 0.2%		
General Electric	135,609	17,308	Welltower, REIT	16,100	1,452
Honeywell International	3,800	797			1,452
	2,200				
Siemens (EUR)	50,887	9,547			

(Cost and value in \$000s)  Office Real Estate Investment Trusts 0.0%	11,600	
	11,600	
	11,600	
Vornado Realty Trust, REIT		328
Residential Real Estate Investment Trusts 1.3%		328
Equity Residential, REIT	161,496	9,877
Specialized Real Estate Investment Trusts 2.6%		9,877
Rayonier, REIT	190,952	6,380
Weyerhaeuser, REIT	365,065	12,693
		19,073
Total Real Estate		30,730
UTILITIES 6.2%		
Electric Utilities 3.5%		
NextEra Energy	85,600	5,199
PG&E Southern	58,100	1,048
Southern	273,579	19,183
Multi-Utilities 2.7%		25,430
Ameren	41,209	2,981
Dominion Energy	209,684	9,855
NiSource	53,951	1,433
Sempra	76,916	5,748
		20,017
Total Utilities		45,447
Total Common Stocks (Cost \$500,001)		718,338
CONVERTIBLE PREFERRED STOCKS	0.2%	
UTILITIES 0.2%		
Electric Utilities 0.2%		
NextEra Energy, 6.926%, 9/1/25	29,299	1,124
Total Utilities		1,124
Total Convertible Preferred Stocks		
(Cost \$1,429)		1,124
PREFERRED STOCKS 1.2%		
CONSUMER DISCRETIONARY 1.2%		
Automobiles 1.2%		
Dr. Ing. h.c. F. Porsche (EUR)	49,185	4,332
Volkswagen (EUR)	37,584	4,633
Total Consumer Discretionary		8,965
Total Preferred Stocks (Cost \$9,797)		8,965

	Shares	\$ Value
(Cost and value in \$000s)		
SHORT-TERM INVESTMENTS 0.8%		
Money Market Funds 0.8%		
T. Rowe Price Government Reserve Fund, 5.42% (2)(3)	6,010,230	6,010
Total Short-Term Investments (Cost \$6,010)		6,010
Total Investments in Securities 99.8% of Net Assets (Cost \$517,237)	\$	734,437

- ‡ Shares are denominated in U.S. dollars unless otherwise noted.
- (1) Non-income producing
- (2) Seven-day yield
- (3) Affiliated Companies
- ADR American Depositary Receipts
- EUR Euro
- KRW South Korean Won
- REIT A domestic Real Estate Investment Trust whose distributions pass-through with original tax character to the shareholder

#### AFFILIATED COMPANIES

(\$000s)

The fund may invest in certain securities that are considered affiliated companies. As defined by the 1940 Act, an affiliated company is one in which the fund owns 5% or more of the outstanding voting securities, or a company that is under common ownership or control. The following securities were considered affiliated companies for all or some portion of the year ended December 31, 2023. Net realized gain (loss), investment income, change in net unrealized gain/loss, and purchase and sales cost reflect all activity for the period then ended.

		С	hange in Net		
		Net Realized	Unrealized	Investment	
Affiliate		Gain (Loss)	Gain/Loss	Income	
T. Rowe Price Government Reserve Fund, 5.42%	\$_	<b>–</b> \$	_ \$	360++	
Totals	\$	<b>-#</b> \$	- \$	360+	
Supplementary Investment Schedule					
	Value	Purchase	Sales	Value	
Affiliate	12/31/22	Cost	Cost	12/31/23	
T. Rowe Price Government Reserve Fund, 5.42%	\$ 8,005	¤	<b>¤</b> \$	6,010	
Total			\$	6,010^	

- # Capital gain distributions from underlying Price funds represented \$0 of the net realized gain (loss).
- ++ Excludes earnings on securities lending collateral, which are subject to rebates and fees as described in Note 3.
- + Investment income comprised \$360 of dividend income and \$0 of interest income.
- Purchase and sale information not shown for cash management funds.
- <sup>^</sup> The cost basis of investments in affiliated companies was \$6,010.

December 31, 2023

## STATEMENT OF ASSETS AND LIABILITIES

(\$000s, except shares and per share amounts)	
Assets Investments in securities, at value (cost \$517,237) Dividends receivable Receivable for shares sold Foreign currency (cost \$31) Receivable for investment securities sold Other assets Total assets	\$ 734,437 1,235 751 31 8 173 736,635
Liabilities Investment management and administrative fees payable Payable for shares redeemed Other liabilities Total liabilities	487 379 81 947
NET ASSETS	\$ 735,688
Net Assets Consist of: Total distributable earnings (loss) Paid-in capital applicable to 26,570,440 shares of \$0.0001 par value capital stock outstanding; 1,000,000,000 shares of the Corporation authorized	\$ 217,247 518,441
NET ASSETS	\$ 735,688
NET ASSET VALUE PER SHARE	
NET ASSET VALUE PER SHARE  Equity Income Portfolio Class (Net assets: \$429,231; Shares outstanding: 15,460,904)  Equity Income Portfolio - II Class	\$ 27.76

The accompanying notes are an integral part of these financial statements.

## STATEMENT OF OPERATIONS

(\$000s)

Investment Income (Loss)		Year Ended 12/31/23
Income	•	40.050
Dividend (net of foreign taxes of \$300) Securities lending	\$	19,653 10
Total income		19,663
Expenses		10,000
Investment management and administrative expense		5,996
Rule 12b-1 fees - Equity Income Portfolio - II Class		705
Waived / paid by Price Associates		(776)
Net expenses Net investment income		5,925 13,738
Net investment income		13,730
Realized and Unrealized Gain / Loss		
Net realized gain (loss)		
Securities		28,938
Foreign currency transactions  Net realized gain		28,962
Net realized gain		20,902
Change in net unrealized gain / loss		
Securities		21,514
Other assets and liabilities denominated in foreign currencies		(5)
Change in net unrealized gain / loss		21,509
Net realized and unrealized gain / loss		50,471
INCREASE IN NET ASSETS FROM OPERATIONS	\$	64,209

The accompanying notes are an integral part of these financial statements.

## STATEMENT OF CHANGES IN NET ASSETS

(\$000s)			
		Year	
		Ended	
		12/31/23	12/31/22
Increase (Decrease) in Net Assets		, 0 ., _0	, 0 .,
Operations			
Net investment income	\$	13,738 \$	13,879
Net investment income  Net realized gain	Ψ	28,962	32,962
Change in net unrealized gain / loss		21,509	(73,949)
Increase (decrease) in net assets from operations		64,209	(27,108)
morease (decrease) in her assets from operations		04,200	(27,100)
Distributions to shareholders			
Net earnings			
Equity Income Portfolio Class		(26,229)	(30,925)
Equity Income Portfolio - II Class		(17,962)	(19,622)
Decrease in net assets from distributions		(44,191)	(50,547)
Capital share transactions*			
Shares sold			
Equity Income Portfolio Class		21,504	36,700
Equity Income Portfolio - II Class		32,017	54,484
Distributions reinvested			
Equity Income Portfolio Class		26,229	30,925
Equity Income Portfolio - II Class		17,962	19,621
Shares redeemed			
Equity Income Portfolio Class		(64,472)	(77,003)
Equity Income Portfolio - II Class		(35,615)	(55,445)
Increase (decrease) in net assets from capital share transactions		(2,375)	9,282
Net Assets			
Increase (decrease) during period		17,643	(68,373)
Beginning of period	· <u>-</u>	718,045	786,418
End of period	<u>\$</u>	735,688 \$	718,045
*Share information (000s)			
Shares sold			
Equity Income Portfolio Class		789	1,267
Equity Income Portfolio - II Class		1,188	1,874
Distributions reinvested		1,100	1,074
Equity Income Portfolio Class		969	1,146
Equity Income Portfolio - II Class		667	732
Shares redeemed		001	102
Equity Income Portfolio Class		(2,371)	(2,664)
Equity Income Portfolio - II Class		(2,371)	(2,664) (1,910)
Increase (decrease) in shares outstanding		(78)	445
morease (acorease) in shares outstanding		(10)	773

The accompanying notes are an integral part of these financial statements.

#### **NOTES TO FINANCIAL STATEMENTS**

T. Rowe Price Equity Series, Inc. (the corporation) is registered under the Investment Company Act of 1940 (the 1940 Act). The Equity Income Portfolio (the fund) is a diversified, open-end management investment company established by the corporation. The fund seeks a high level of dividend income and long-term capital growth primarily through investments in stocks. Shares of the fund currently are offered only to insurance company separate accounts established for the purpose of funding variable annuity contracts and variable life insurance policies. The fund has two classes of shares: the Equity Income Portfolio (Equity Income Portfolio Class) and the Equity Income Portfolio–II (Equity Income Portfolio–II Class shares are sold through financial intermediaries, which it compensates for distribution, shareholder servicing, and/or certain administrative services under a Board-approved Rule 12b-1 plan. Each class has exclusive voting rights on matters related solely to that class; separate voting rights on matters that relate to both classes; and, in all other respects, the same rights and obligations as the other class.

#### **NOTE 1 - SIGNIFICANT ACCOUNTING POLICIES**

Basis of Preparation The fund is an investment company and follows accounting and reporting guidance in the Financial Accounting Standards Board (FASB) *Accounting Standards Codification* Topic 946 (ASC 946). The accompanying financial statements were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP), including, but not limited to, ASC 946. GAAP requires the use of estimates made by management. Management believes that estimates and valuations are appropriate; however, actual results may differ from those estimates, and the valuations reflected in the accompanying financial statements may differ from the value ultimately realized upon sale or maturity.

Investment Transactions, Investment Income, and Distributions Investment transactions are accounted for on the trade date basis. Income and expenses are recorded on the accrual basis. Realized gains and losses are reported on the identified cost basis. Income tax-related interest and penalties, if incurred, are recorded as income tax expense. Dividends received from other investment companies are reflected as dividend income; capital gain distributions are reflected as realized gain/loss. Dividend income and capital gain distributions are recorded on the ex-dividend date. Distributions from REITs are initially recorded as dividend income and, to the extent such represent a return of capital or capital gain for tax purposes, are reclassified when such information becomes available. Non-cash dividends, if any, are recorded at the fair market value of the asset received. Proceeds from litigation payments, if any, are included in either net realized gain (loss) or change in net unrealized gain/loss from securities. Distributions to shareholders are recorded on the ex-dividend date. Income distributions, if any, are declared and paid by each class quarterly. A capital gain distribution, if any, may also be declared and paid by the fund annually.

**Currency Translation** Assets, including investments, and liabilities denominated in foreign currencies are translated into U.S. dollar values each day at the prevailing exchange rate, using the mean of the bid and asked prices of such currencies against U.S. dollars as provided by an outside pricing service. Purchases and sales of securities, income, and expenses are translated into U.S. dollars at the prevailing exchange rate on the respective date of such transaction. The effect of changes in foreign currency exchange rates on realized and unrealized security gains and losses is not bifurcated from the portion attributable to changes in market prices.

Class Accounting Investment income, investment management and administrative expense, and realized and unrealized gains and losses are allocated to the classes based upon the relative daily net assets of each class. Equity Income Portfolio–II Class pays Rule 12b-1 fees, in an amount not exceeding 0.25% of the class's average daily net assets.

Capital Transactions Each investor's interest in the net assets of the fund is represented by fund shares. The fund's net asset value (NAV) per share is computed at the close of the New York Stock Exchange (NYSE), normally 4 p.m. ET, each day the NYSE is open for business. However, the NAV per share may be calculated at a time other than the normal close of the NYSE if trading on the NYSE is restricted, if the NYSE closes earlier, or as may be permitted by the SEC. Purchases and redemptions of fund shares are transacted at the next-computed NAV per share, after receipt of the transaction order by T. Rowe Price Associates, Inc., or its agents.

New Accounting Guidance In June 2022, the FASB issued Accounting Standards Update (ASU), ASU 2022-03, Fair Value Measurement (Topic 820) – Fair Value Measurement of Equity Securities Subject to Contractual Sale Restrictions, which clarifies that a contractual restriction on the sale of an equity security is not considered part of the unit of account of the equity security and, therefore, is not considered in measuring fair value. The amendments under this ASU are effective for fiscal years beginning after December 15, 2023; however, the fund opted to early adopt, as permitted, effective December 1, 2022. Adoption of the guidance did not have a material impact on the fund's financial statements.

**Indemnification** In the normal course of business, the fund may provide indemnification in connection with its officers and directors, service providers, and/or private company investments. The fund's maximum exposure under these arrangements is unknown; however, the risk of material loss is currently considered to be remote.

#### **NOTE 2 - VALUATION**

Fair Value The fund's financial instruments are valued at the close of the NYSE and are reported at fair value, which GAAP defines as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fund's Board of Directors (the Board) has designated T. Rowe Price Associates, Inc. as the fund's valuation designee (Valuation Designee). Subject to oversight by the Board, the Valuation Designee performs the following functions in performing fair value determinations: assesses and manages valuation risks; establishes and applies fair value methodologies; tests fair value methodologies; and evaluates pricing vendors and pricing agents. The duties and responsibilities of the Valuation Designee are performed by its Valuation Committee. The Valuation Designee provides periodic reporting to the Board on valuation matters.

Various valuation techniques and inputs are used to determine the fair value of financial instruments. GAAP establishes the following fair value hierarchy that categorizes the inputs used to measure fair value:

Level 1 - quoted prices (unadjusted) in active markets for identical financial instruments that the fund can access at the reporting date

Level 2 – inputs other than Level 1 quoted prices that are observable, either directly or indirectly (including, but not limited to, quoted prices for similar financial instruments in active markets, quoted prices for identical or similar financial instruments in inactive markets, interest rates and yield curves, implied volatilities, and credit spreads)

Level 3 - unobservable inputs (including the Valuation Designee's assumptions in determining fair value)

Observable inputs are developed using market data, such as publicly available information about actual events or transactions, and reflect the assumptions that market participants would use to price the financial instrument. Unobservable inputs are those for which market data are not available and are developed using the best information available about the assumptions that market participants would use to price the financial instrument. GAAP requires valuation techniques to maximize the use of relevant observable inputs and minimize the use of unobservable inputs. When multiple inputs are used to derive fair value, the financial instrument is assigned to the level within the fair value hierarchy based on the lowest-level input that is significant to the fair value of the financial instrument. Input levels are not necessarily an indication of the risk or liquidity associated with financial instruments at that level but rather the degree of judgment used in determining those values.

Valuation Techniques Equity securities, including exchange-traded funds, listed or regularly traded on a securities exchange or in the over-the-counter (OTC) market are valued at the last quoted sale price or, for certain markets, the official closing price at the time the valuations are made. OTC Bulletin Board securities are valued at the mean of the closing bid and asked prices. A security that is listed or traded on more than one exchange is valued at the quotation on the exchange determined to be the primary market for such security. Listed securities not traded on a particular day are valued at the mean of the closing bid and asked prices for domestic securities and the last quoted sale or closing price for international securities.

The last quoted prices of non-U.S. equity securities may be adjusted to reflect the fair value of such securities at the close of the NYSE, if the Valuation Designee determines that developments between the close of a foreign market and the close of the NYSE will affect the value of some or all of the fund's portfolio securities. Each business day, the Valuation Designee uses information from outside pricing services to evaluate the quoted prices of portfolio securities and, if appropriate, decide whether it is necessary to adjust quoted prices to reflect fair value by reviewing a variety of factors, including developments in foreign markets, the performance of U.S. securities markets, and the performance of instruments trading in U.S. markets that represent foreign securities and baskets of foreign securities. The Valuation Designee uses outside pricing services to provide it with quoted prices and information to evaluate or adjust those prices. The Valuation Designee cannot predict how often it will use quoted prices and how often it will determine it necessary to adjust those prices to reflect fair value.

Investments in mutual funds are valued at the mutual fund's closing NAV per share on the day of valuation. Assets and liabilities other than financial instruments, including short-term receivables and payables, are carried at cost, or estimated realizable value, if less, which approximates fair value.

Investments for which market quotations are not readily available or deemed unreliable are valued at fair value as determined in good faith by the Valuation Designee. The Valuation Designee has adopted methodologies for determining the fair value of investments for which market quotations are not readily available or deemed unreliable, including the use of other pricing sources. Factors used in determining fair value vary by type of investment and may include market or investment specific considerations. The Valuation Designee typically will afford greatest weight to actual prices in arm's length transactions, to the extent they represent orderly transactions between market participants, transaction information can be reliably obtained, and prices are deemed representative of fair value. However, the Valuation Designee may also consider other valuation methods such as market-based valuation multiples; a discount or premium from market value of a similar, freely traded security of the same issuer; discounted cash flows; yield to maturity; or some combination. Fair value determinations are reviewed on a regular basis. Because any fair value determination involves a significant amount of judgment, there is a degree of subjectivity inherent in such pricing decisions. Fair value prices determined by the Valuation Designee could differ from those of other market participants, and it is possible that the fair value determined for a security may be materially different from the value that could be realized upon the sale of that security.

**Valuation Inputs** The following table summarizes the fund's financial instruments, based on the inputs used to determine their fair values on December 31, 2023 (for further detail by category, please refer to the accompanying Portfolio of Investments):

(\$000s)	Level 1	Level 2	Level 3	Total Value
Assets				
Common Stocks	\$ 679,922 \$	38,416 \$	- \$	718,338
Convertible Preferred Stocks	_	1,124	_	1,124
Preferred Stocks	_	8,965	_	8,965
Short-Term Investments	6,010	_	_	6,010
Total	\$ 685,932 \$	48,505 \$	- \$	734,437

#### **NOTE 3 - OTHER INVESTMENT TRANSACTIONS**

Consistent with its investment objective, the fund engages in the following practices to manage exposure to certain risks and/or to enhance performance. The investment objective, policies, program, and risk factors of the fund are described more fully in the fund's prospectus and Statement of Additional Information.

Securities Lending The fund may lend its securities to approved borrowers to earn additional income. Its securities lending activities are administered by a lending agent in accordance with a securities lending agreement. Security loans generally do not have stated maturity dates, and the fund may recall a security at any time. The fund receives collateral in the form of cash or U.S. government securities. Collateral is maintained over the life of the loan in an amount not less than the value of loaned securities; any additional collateral required due to changes in security values is delivered to the fund the next business day. Cash collateral is invested in accordance with investment guidelines approved by fund management. Additionally, the lending agent indemnifies the fund against losses resulting from borrower default. Although risk is mitigated by the collateral and indemnification, the fund could experience a delay in recovering its securities and a possible loss of income or value if the borrower fails to return the securities, collateral investments decline in value, and the lending agent fails to perform. Securities lending revenue consists of earnings on invested collateral and borrowing fees, net of any rebates to the borrower, compensation to the lending agent, and other administrative costs. In accordance with GAAP, investments made with cash collateral are reflected in the accompanying financial statements, but collateral received in the form of securities is not. At December 31, 2023, there were no securities on loan.

**Other** Purchases and sales of portfolio securities other than in-kind transactions, if any, and short-term securities aggregated \$122,289,000 and \$151,464,000, respectively, for the year ended December 31, 2023.

#### **NOTE 4 - FEDERAL INCOME TAXES**

Generally, no provision for federal income taxes is required since the fund intends to continue to qualify as a regulated investment company under Subchapter M of the Internal Revenue Code and distribute to shareholders all of its taxable income and gains. Distributions determined in accordance with federal income tax regulations may differ in amount or character from net investment income and realized gains for financial reporting purposes.

The fund files U.S. federal, state, and local tax returns as required. The fund's tax returns are subject to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return but which can be extended to six years in certain circumstances. Tax returns for open years have incorporated no uncertain tax positions that require a provision for income taxes.

Capital accounts within the financial reporting records are adjusted for permanent book/tax differences to reflect tax character but are not adjusted for temporary differences. The permanent book/tax adjustments, if any, have no impact on results of operations or net assets.

The tax character of distributions paid for the periods presented was as follows:

(\$000s)				
	Dec	ember 31, 2023	Dec	ember 31, 2022
Ordinary income (including short-term capital gains, if any)	\$	16,725	\$	15,024
Long-term capital gain		27,466		35,523
Total distributions	\$	44,191	\$	50,547
At December 31, 2023, the tax-basis cost of investments (including derivatives, if any) and gro depreciation were as follows:	ss unrealiz	ed appreciat	ion and	l
(\$000s) Cost of investments			\$	519,153
Unrealized appreciation			\$	230,645
Unrealized depreciation				(15,359)
Net unrealized appreciation (depreciation)			\$	215,286
At December 31, 2023, the tax-basis components of accumulated net earnings (loss) were as for	llows:			
(\$000s) Undistributed ordinary income			\$	595
Undistributed long-term capital gain			Ψ	1,366
Net unrealized appreciation (depreciation)				215,286
Total distributable earnings (loss)			\$	217,247

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement purposes versus for tax purposes; these differences will reverse in a subsequent reporting period. The temporary differences relate primarily to the deferral of losses from wash sales.

#### **NOTE 5 - FOREIGN TAXES**

The fund is subject to foreign income taxes imposed by certain countries in which it invests. Additionally, capital gains realized upon disposition of securities issued in or by certain foreign countries are subject to capital gains tax imposed by those countries. All taxes are computed in accordance with the applicable foreign tax law, and, to the extent permitted, capital losses are used to offset capital gains. Taxes attributable to income are accrued by the fund as a reduction of income. Current and deferred tax expense attributable to capital

gains is reflected as a component of realized or change in unrealized gain/loss on securities in the accompanying financial statements. To the extent that the fund has country specific capital loss carryforwards, such carryforwards are applied against net unrealized gains when determining the deferred tax liability. Any deferred tax liability incurred by the fund is included in either Other liabilities or Deferred tax liability on the accompanying Statement of Assets and Liabilities.

#### **NOTE 6 - RELATED PARTY TRANSACTIONS**

The fund is managed by T. Rowe Price Associates, Inc. (Price Associates), a wholly owned subsidiary of T. Rowe Price Group, Inc. (Price Group). The investment management and administrative agreement between the fund and Price Associates provides for an all-inclusive annual fee equal to 0.85% of the fund's average daily net assets. The fee is computed daily and paid monthly. The all-inclusive fee covers investment management services and ordinary, recurring operating expenses but does not cover interest expense; expenses related to borrowing, taxes, and brokerage; or nonrecurring, extraordinary expenses. Effective July 1, 2018, Price Associates has contractually agreed, at least through April 30, 2024 to waive a portion of its management fee in order to limit the fund's management fee to 0.74% of the fund's average daily net assets. Thereafter, this agreement automatically renews for one-year terms unless terminated or modified by the fund's Board. Fees waived and expenses paid under this agreement are not subject to reimbursement to Price Associates by the fund. The total management fees waived were \$776,000 and allocated ratably in the amounts of \$461,000 and \$315,000 for the Equity Income Portfolio Class and Equity Income Portfolio-II Class, respectively, for the year ended December 31, 2023.

In addition, the fund has entered into service agreements with Price Associates and a wholly owned subsidiary of Price Associates, each an affiliate of the fund. Price Associates provides certain accounting and administrative services to the funds. T. Rowe Price Services, Inc. provides shareholder and administrative services in its capacity as the fund's transfer and dividend-disbursing agent. Pursuant to the all-inclusive fee arrangement under the investment management and administrative agreement, expenses incurred by the funds pursuant to these service agreements are paid by Price Associates.

T. Rowe Price Investment Services, Inc. (Investment Services) serves as distributor to the fund. Pursuant to an underwriting agreement, no compensation for any distribution services provided is paid to Investment Services by the fund (except for 12b-1 fees under a Boardapproved Rule 12b-1 plan).

The fund may invest its cash reserves in certain open-end management investment companies managed by Price Associates and considered affiliates of the fund: the T. Rowe Price Government Reserve Fund or the T. Rowe Price Treasury Reserve Fund, organized as money market funds (together, the Price Reserve Funds). The Price Reserve Funds are offered as short-term investment options to mutual funds, trusts, and other accounts managed by Price Associates or its affiliates and are not available for direct purchase by members of the public. Cash collateral from securities lending, if any, is invested in the T. Rowe Price Government Reserve Fund. The Price Reserve Funds pay no investment management fees.

The fund may participate in securities purchase and sale transactions with other funds or accounts advised by Price Associates (cross trades), in accordance with procedures adopted by the fund's Board and Securities and Exchange Commission rules, which require, among other things, that such purchase and sale cross trades be effected at the independent current market price of the security. During the year ended December 31, 2023, the fund had no purchases or sales cross trades with other funds or accounts advised by Price Associates.

Price Associates has voluntarily agreed to reimburse the fund from its own resources on a monthly basis for the cost of investment research embedded in the cost of the fund's securities trades. This agreement may be rescinded at any time. For the year ended December 31, 2023, this reimbursement amounted to \$13,000, which is included in Net realized gain (loss) on Securities in the Statement of Operations.

#### **NOTE 7 - OTHER MATTERS**

Unpredictable events such as environmental or natural disasters, war and conflict, terrorism, geopolitical events, and public health epidemics and similar public health threats may significantly affect the economy and the markets and issuers in which the fund invests. Certain events may cause instability across global markets, including reduced liquidity and disruptions in trading markets, while some events may affect certain geographic regions, countries, sectors, and industries more significantly than others, and exacerbate other pre-existing political, social, and economic risks.

The global outbreak of COVID-19 and the related governmental and public responses have led and may continue to lead to increased market volatility and the potential for illiquidity in certain classes of securities and sectors of the market either in specific countries or worldwide.

In February 2022, Russian forces entered Ukraine and commenced an armed conflict, leading to economic sanctions imposed on Russia that target certain of its citizens and issuers and sectors of the Russian economy, creating impacts on Russian-related stocks and debt and greater volatility in global markets.

In March 2023, the banking industry experienced heightened volatility, which sparked concerns of potential broader adverse market conditions. The extent of impact of these events on the US and global markets is highly uncertain.

These are recent examples of global events which may have a negative impact on the values of certain portfolio holdings or the fund's overall performance. Management is actively monitoring the risks and financial impacts arising from these events.

#### **NOTE 8 - SUBSEQUENT EVENT**

At a meeting held on October 23, 2023, the Board approved an amendment to the fund's investment management agreement to change the fund's all-inclusive fee structure to one where the management fee covers only investment management and other specified services, but operating expenses (including payments for administrative services) are borne by the fund, effective May 1, 2024.

In addition, effective May 1, 2024, the Board approved implementing an indefinite contractual total expense limitation at the level of the fund's current all-inclusive fee rate (including any management fee waivers), excluding interest, taxes, brokerage and other transaction costs, and nonrecurring and extraordinary expenses (expenses currently excluded from the fund's all-inclusive fee rate).

#### Report of Independent Registered Public Accounting Firm

To the Board of Directors of T. Rowe Price Equity Series, Inc. and Shareholders of T. Rowe Price Equity Income Portfolio

#### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the portfolio of investments, of T. Rowe Price Equity Income Portfolio (one of the portfolios constituting T. Rowe Price Equity Series, Inc., referred to hereafter as the "Fund") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Fund as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

#### **Basis for Opinion**

These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on the Fund's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Fund in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodians and transfer agent. We believe that our audits provide a reasonable basis for our opinion.

/s/ PricewaterhouseCoopers LLP

Baltimore, Maryland February 12, 2024

We have served as the auditor of one or more investment companies in the T. Rowe Price group of investment companies since 1973.

#### TAX INFORMATION (UNAUDITED) FOR THE TAX YEAR ENDED 12/31/23

We are providing this information as required by the Internal Revenue Code. The amounts shown may differ from those elsewhere in this report because of differences between tax and financial reporting requirements.

The fund's distributions to shareholders included:

- \$2,578,000 from short-term capital gains
- \$27,466,000 from long-term capital gains, subject to a long-term capital gains tax rate of not greater than 20%

For taxable non-corporate shareholders, \$19,038,000 of the fund's income represents qualified dividend income subject to a long-term capital gains tax rate of not greater than 20%.

For corporate shareholders, \$15,600,000 of the fund's income qualifies for the dividends-received deduction.

#### INFORMATION ON PROXY VOTING POLICIES, PROCEDURES, AND RECORDS

A description of the policies and procedures used by T. Rowe Price funds to determine how to vote proxies relating to portfolio securities is available in each fund's Statement of Additional Information. You may request this document by calling 1-800-225-5132 or by accessing the SEC's website, sec.gov.

The description of our proxy voting policies and procedures is also available on our corporate website. To access it, please visit the following Web page:

https://www.troweprice.com/corporate/us/en/utility/policies.html

Scroll down to the section near the bottom of the page that says, "Proxy Voting Guidelines." Click on the links in the shaded box.

Each fund's most recent annual proxy voting record is available on our website and through the SEC's website. To access it through T. Rowe Price, visit the website location shown above, and scroll down to the section near the bottom of the page that says, "Proxy Voting Records." Click on the Proxy Voting Records link in the shaded box.

#### **HOW TO OBTAIN QUARTERLY PORTFOLIO HOLDINGS**

The fund files a complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's reports on Form N-PORT are available electronically on the SEC's website (sec.gov). In addition, most T. Rowe Price funds disclose their first and third fiscal quarter-end holdings on **troweprice.com**.

#### TAILORED SHAREHOLDER REPORTS FOR MUTUAL FUNDS AND EXCHANGE TRADED FUNDS

In October 2022, the Securities and Exchange Commission (SEC) adopted rule and form amendments requiring Mutual Funds and Exchange-Traded Funds to transmit concise and visually engaging streamlined annual and semiannual reports that highlight key information to shareholders. Other information, including financial statements, will no longer appear in the funds' shareholder reports but will be available online, delivered free of charge upon request, and filed on a semiannual basis on Form N-CSR. The rule and form amendments have a compliance date of July 24, 2024.

#### LIQUIDITY RISK MANAGEMENT PROGRAM

In accordance with Rule 22e-4 (Liquidity Rule) under the Investment Company Act of 1940, as amended, the fund has established a liquidity risk management program (Liquidity Program) reasonably designed to assess and manage the fund's liquidity risk, which generally represents the risk that the fund would not be able to meet redemption requests without significant dilution of remaining investors' interests in the fund. The fund's Board of Directors (Board) has appointed the fund's investment adviser, T. Rowe Price Associates, Inc. (Adviser), as the administrator of the Liquidity Program. As administrator, the Adviser is responsible for overseeing the day-to-day operations of the Liquidity Program and, among other things, is responsible for assessing, managing, and reviewing with the Board at least annually the liquidity risk of each T. Rowe Price fund. The Adviser has delegated oversight of the Liquidity Program to a Liquidity Risk Committee (LRC), which is a crossfunctional committee composed of personnel from multiple departments within the Adviser.

The Liquidity Program's principal objectives include supporting the T. Rowe Price funds' compliance with limits on investments in illiquid assets and mitigating the risk that the fund will be unable to timely meet its redemption obligations. The Liquidity Program also includes a number of elements that support the management and assessment of liquidity risk, including an annual assessment of factors that influence the fund's liquidity and the periodic classification and reclassification of a fund's investments into categories that reflect the LRC's assessment of their relative liquidity under current market conditions. Under the Liquidity Program, every investment held by the fund is classified at least monthly into one of four liquidity categories based on estimations of the investment's ability to be sold during designated time frames in current market conditions without significantly changing the investment's market value.

As required by the Liquidity Rule, at a meeting held on July 24, 2023, the Board was presented with an annual assessment that was prepared by the LRC on behalf of the Adviser and addressed the operation of the Liquidity Program and assessed its adequacy and effectiveness of implementation, including any material changes to the Liquidity Program and the determination of each fund's Highly Liquid Investment Minimum (HLIM). The annual assessment included consideration of the following factors, as applicable: the fund's investment strategy and liquidity of portfolio investments during normal and reasonably foreseeable stressed conditions, including whether the investment strategy is appropriate for an open-end fund, the extent to which the strategy involves a relatively concentrated portfolio or large positions in particular issuers, and the use of borrowings for investment purposes and derivatives; short-term and long-term cash flow projections covering both normal and reasonably foreseeable stressed conditions; and holdings of cash and cash equivalents, as well as available borrowing arrangements.

For the fund and other T. Rowe Price funds, the annual assessment incorporated a report related to a fund's holdings, shareholder and portfolio concentration, any borrowings during the period, cash flow projections, and other relevant data for the period of April 1, 2022, through March 31, 2023. The report described the methodology for classifying a fund's investments (including any derivative transactions) into one of four liquidity categories, as well as the percentage of a fund's investments assigned to each category. It also explained the methodology for establishing a fund's HLIM and noted that the LRC reviews the HLIM assigned to each fund no less frequently than annually.

During the period covered by the annual assessment, the LRC has concluded, and reported to the Board, that the Liquidity Program continues to operate adequately and effectively and is reasonably designed to assess and manage the fund's liquidity risk.

#### **ABOUT THE PORTFOLIO'S DIRECTORS AND OFFICERS**

Your fund is overseen by a Board of Directors (Board) that meets regularly to review a wide variety of matters affecting or potentially affecting the fund, including performance, investment programs, compliance matters, advisory fees and expenses, service providers, and business and regulatory affairs. The Board elects the fund's officers, who are listed in the final table. The directors who are also employees or officers of T. Rowe Price are considered to be "interested" directors as defined in Section 2(a)(19) of the 1940 Act because of their relationships with T. Rowe Price Associates, Inc. (T. Rowe Price), and its affiliates. The business address of each director and officer is 100 East Pratt Street, Baltimore, Maryland 21202. The Statement of Additional Information includes additional information about the fund directors and is available without charge by calling a T. Rowe Price representative at 1-800-638-5660.

#### INDEPENDENT DIRECTORS(a)

Name (Year of Birth) Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
Teresa Bryce Bazemore (1959) 2018 [209]	President and Chief Executive Officer, Federal Home Loan Bank of San Francisco (2021 to present); Chief Executive Officer, Bazemore Consulting LLC (2018 to 2021); Director, Chimera Investment Corporation (2017 to 2021); Director, First Industrial Realty Trust (2020 to present); Director, Federal Home Loan Bank of Pittsburgh (2017 to 2019)
Melody Bianchetto (1966) 2023 [209]	Vice President for Finance, University of Virginia (2015 to 2023)
Bruce W. Duncan (1951) 2013 [209]	President, Chief Executive Officer, and Director, CyrusOne, Inc. (2020 to 2021); Chair of the Board (2016 to 2020) and President (2009 to 2016), First Industrial Realty Trust, owner and operator of industrial properties; Member, Investment Company Institute Board of Governors (2017 to 2019); Member, Independent Directors Council Governing Board (2017 to 2019); Senior Advisor, KKR (2018 to 2022); Director, Boston Properties (2016 to present); Director, Marriott International, Inc. (2016 to 2020)
Robert J. Gerrard, Jr. (1952) 2012 [209]	Chair of the Board, all funds (July 2018 to present)
Paul F. McBride (1956) 2013 [209]	Advisory Board Member, Vizzia Technologies (2015 to present); Board Member, Dunbar Armored (2012 to 2018)
Mark J. Parrell (1966) 2023 [209]	Board of Trustees Member and Chief Executive Officer (2019 to present), President (2018 to present), Executive Vice President and Chief Financial Officer (2007 to 2018), and Senior Vice President and Treasurer (2005 to 2007), EQR; Member, Nareit Dividends Through Diversity, Equity & Inclusion CEO Council and Chair, Nareit 2021 Audit and Investment Committee (2021); Advisory Board, Ross Business School at University of Michigan (2015 to 2016); Member, National Multifamily Housing Council and served as Chair of the Finance Committee (2015 to 2016); Member, Economic Club of Chicago; Director, Brookdale Senior Living, Inc. (2015 to 2017); Director, Aviv REIT, Inc. (2013 to 2015); Director, Real Estate Roundtable and the 2022 Executive Board Nareit; Board of Directors and Chair of the Finance Committee, Greater Chicago Food Depository
Kellye L. Walker (1966) 2021 [209]	Executive Vice President and Chief Legal Officer, Eastman Chemical Company (April 2020 to present); Executive Vice President and Chief Legal Officer, Huntington Ingalls Industries, Inc. (January 2015 to March 2020); Director, Lincoln Electric Company (October 2020 to present)

<sup>(</sup>a) All information about the independent directors was current as of December 31, 2022, unless otherwise indicated, except for the number of portfolios overseen, which is current as of the date of this report.

#### INTERESTED DIRECTORS(a)

Name (Year of Birth) Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
David Oestreicher (1967) 2018 [209]	Director, Vice President, and Secretary, T. Rowe Price, T. Rowe Price Investment Services, Inc., T. Rowe Price Retirement Plan Services, Inc., and T. Rowe Price Services, Inc.; Director and Secretary, T. Rowe Price Investment Management, Inc. (Price Investment Management); Vice President and Secretary, T. Rowe Price International (Price International); Vice President, T. Rowe Price Hong Kong (Price Hong Kong), T. Rowe Price Japan (Price Japan), and T. Rowe Price Singapore (Price Singapore); General Counsel, Vice President, and Secretary, T. Rowe Price Group, Inc.; Chair of the Board, Chief Executive Officer, President, and Secretary, T. Rowe Price Trust Company; Principal Executive Officer and Executive Vice President, all funds
Eric L. Veiel, CFA (1972) 2022 [209]	Director and Vice President, T. Rowe Price; Vice President, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company; Vice President, Global Funds

<sup>(</sup>a) All information about the interested directors was current as of December 31, 2022, unless otherwise indicated, except for the number of portfolios overseen, which is current as of the date of this report.

#### **OFFICERS**

Name (Year of Birth) Position Held With Equity Series	Principal Occupation(s)
Ziad Bakri, M.D., CFA (1980) Executive Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Brian W.H. Berghuis, CFA (1958) Executive Vice President	Vice President, Price Investment Management, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Armando (Dino) Capasso (1974) Chief Compliance Officer and Vice President	Chief Compliance Officer and Vice President, T. Rowe Price and Price Investment Management; Vice President, T. Rowe Price Group, Inc.; formerly, Chief Compliance Officer, PGIM Investments LLC and AST Investment Services, Inc. (ASTIS) (to 2022); Chief Compliance Officer, PGIM Retail Funds complex and Prudential Insurance Funds (to 2022); Vice President and Deputy Chief Compliance Officer, PGIM Investments LLC and ASTIS (to 2019)
Jean-Marc Corredor (1976) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, Price Investment Management, T. Rowe Price Services, Inc., and T. Rowe Price Trust Company
Alan S. Dupski, CPA (1982) Principal Financial Officer, Vice President, and Treasurer	Vice President, Price Investment Management, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Cheryl Emory (1963) Assistant Secretary	Assistant Vice President and Assistant Secretary, T. Rowe Price; Assistant Secretary, T. Rowe Price Group, Inc., Price Investment Management, Price International, Price Hong Kong, Price Singapore, T. Rowe Price Investment Services, Inc., T. Rowe Price Retirement Plan Services, Inc., and T. Rowe Price Trust Company
Paul D. Greene II (1978) Executive Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Cheryl Hampton, CPA (1969) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company; formerly, Tax Director, Invesco Ltd. (to 2021); Vice President, Oppenheimer Funds, Inc. (to 2019)
Stephon Jackson, CFA (1962) Co-president	Director and President, Price Investment Management; Vice President, T. Rowe Price Group, Inc.
Benjamin Kersse, CPA (1989) Vice President	Vice President, T. Rowe Price and T. Rowe Price Trust Company
Paul J. Krug, CPA (1964) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
John D. Linehan, CFA (1965) Executive Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company

Unless otherwise noted, officers have been employees of T. Rowe Price or Price International for at least 5 years.

### **OFFICERS (CONTINUED)**

Name (Year of Birth) Position Held With Equity Series	Principal Occupation(s)
Robert P. McDavid (1972) Vice President	Vice President, T. Rowe Price, Price Investment Management, T. Rowe Price Investment Services, Inc., and T. Rowe Price Trust Company
Joshua Nelson (1977) Co-president	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, and T. Rowe Price Trust Company
Fran M. Pollack-Matz (1961) Vice President and Secretary	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., T. Rowe Price Investment Services, Inc., T. Rowe Price Services, Inc., and T. Rowe Price Trust Company
Richard Sennett, CPA (1970) Assistant Treasurer	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Charles M. Shriver, CFA (1967) Executive Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, and T. Rowe Price Trust Company
Neil Smith (1972) Executive Vice President	Vice President, Price Hong Kong, Price Japan, Price Singapore, T. Rowe Price Group, Inc., and Price International
Toby M. Thompson, CAIA, CFA (1971) Executive Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, and T. Rowe Price Trust Company
John F. Wakeman (1962) Vice President	Vice President, Price Investment Management and T. Rowe Price Group, Inc.
Justin P. White (1981) Executive Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Ellen York (1988) Vice President	Vice President, Price Investment Management and T. Rowe Price

Unless otherwise noted, officers have been employees of T. Rowe Price or Price International for at least 5 years.

## T.RowePrice

100 East Pratt Street Baltimore, MD 21202

Call 1-800-225-5132 to request a prospectus or summary prospectus; each includes investment objectives, risks, fees, expenses, and other information that you should read and consider carefully before investing.



#### **ANNUAL REPORT**

December 31, 2023

T. ROWE PRICE

# International Stock Portfolio

For more insights from T. Rowe Price investment professionals, go to **troweprice.com**.

#### **HIGHLIGHTS**

- International stocks rose in 2023 as signs of easing inflation in many markets raised hopes that global central banks were nearing an
  end to their tightening cycles.
- The International Stock Portfolio outperformed the MSCI All Country World Index ex USA Net and its Lipper peer group average over its fiscal year.
- We leaned into bouts of elevated market volatility throughout the period to add to quality, defensive growth companies and select cyclical names at attractive valuations.
- Various crosscurrents in international stock markets have made it difficult to determine what may be driving growth stocks at any given moment. We believe that the upside and downside risks for markets appear relatively balanced.

## Go Paperless

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## Waive your account service fee by going paperless.\*

#### To Enroll:

If you invest directly with T. Rowe Price, go to troweprice.com/paperless.

If you invest through a financial intermediary such as an investment advisor, a bank, or a brokerage firm, please contact that organization and ask if it can provide electronic documentation.

Log in to your account at **troweprice.com** for more information.

\*An account service fee will be charged annually for each T. Rowe Price mutual fund account unless you meet criteria for a fee waiver. Go to troweprice. com/personal-investing/help/fees-and-minimums.html to learn more about this account service fee, including other ways to waive it.

Market Commentary

## **Dear Investor**

Global stock and bond indexes were broadly positive during 2023 as most economies managed to avoid the recession that was widely predicted at the start of the year. Technology companies benefited from investor enthusiasm for artificial intelligence developments and led the equity rally, while fixed income benchmarks rebounded late in the year amid falling interest rates.

For the 12-month period, the technology-oriented Nasdaq Composite Index rose about 43%, reaching a record high and producing the strongest result of the major benchmarks. Growth stocks outperformed value shares, and developed market stocks generally outpaced their emerging markets counterparts. Currency movements were mixed over the period, although a weaker dollar versus major European currencies was beneficial for U.S. investors in European securities.

Within the S&P 500 Index, which finished the year just short of the record level it reached in early 2022, the information technology, communication services, and consumer discretionary sectors were all lifted by the tech rally and recorded significant gains. A small group of tech-oriented mega-cap companies helped drive much of the market's advance. Conversely, the defensive utilities sector had the weakest returns in the growth-focused environment, and the energy sector also lost ground amid declining oil prices. The financials sector bounced back from the failure of three large regional banks in the spring and was one of the topperforming segments in the second half of the year.

The U.S. economy was the strongest among the major markets during the period, with gross domestic product growth coming in at 4.9% in the third quarter, the highest since the end of 2021. Corporate fundamentals were also broadly supportive. Year-over-year earnings growth contracted in the first and second quarters of 2023, but results were better than expected, and earnings growth turned positive again in the third quarter. Markets remained resilient despite a debt ceiling standoff in the U.S., the outbreak of war in the Middle East, the continuing conflict between Russia and Ukraine, and a sluggish economic recovery in China.

Inflation remained a concern, but investors were encouraged by the slowing pace of price increases as well as the possibility that the Federal Reserve was nearing the end of its rate-hiking cycle. The Fed held rates steady after raising its short-term lending benchmark rate to a target range of 5.25% to 5.50% in July, the highest level since March 2001, and at its final meeting of the year in December, the central bank indicated that there could be three 25-basis-point rate cuts in 2024.

The yield of the benchmark 10-year U.S. Treasury note briefly reached 5.00% in October for the first time since late 2007 before falling back to 3.88% by period-end, the same level where it started the year, amid cooler-than-expected inflation readings and less-hawkish Fed rhetoric. Fixed income benchmarks were lifted late in the year by falling yields. Investment-grade and high yield corporate bonds produced solid returns, supported by the higher coupons that have become available over the past year, as well as increasing hopes that the economy might be able to avoid a recession.

Global economies and markets showed surprising resilience in 2023, but considerable uncertainty remains as we look ahead. Geopolitical events, the path of monetary policy, and the impact of the Fed's rate hikes on the economy all raise the potential for additional volatility. We believe this environment makes skilled active management a critical tool for identifying risks and opportunities, and our investment teams will continue to use fundamental research to help identify securities that can add value to your portfolio over the long term.

Thank you for your continued confidence in T. Rowe Price.

Sincerely,

Robert Sharps
CEO and President

Solut Sh. Shenfu

Management's Discussion of Fund Performance

#### **INVESTMENT OBJECTIVE**

The fund seeks long-term growth of capital through investments primarily in the common stocks of established, non-U.S. companies.

#### **FUND COMMENTARY**

#### How did the fund perform in the past 12 months?

The International Stock Portfolio returned 16.24% in the 12 months ended December 31, 2023. The portfolio outperformed the MSCI All Country World Index ex USA Net, which returned 15.62%, and the Lipper Variable Annuity Underlying International Multi-Cap Growth Funds Average, which returned 15.90%. (*Past performance cannot guarantee future results.*)

PERFORMANCE COMPARISON		
	Total Return	
Periods Ended 12/31/23	6 Months	12 Months
International Stock Portfolio	4.46%	16.24%
MSCI All Country World Index ex USA Net	5.61	15.62
Lipper Variable Annuity Underlying International Multi-Cap Growth		
Funds Average	3.46	15.90

#### What factors influenced the fund's performance?

Information technology (IT) added the most to relative performance due to favorable stock selection and an overweight allocation to the sector, the best performer in the benchmark in 2023. Taiwan Semiconductor Manufacturing Company (TSMC), the world's leading dedicated chip foundry, was a significant performance contributor and the portfolio's top holding at year-end. We believe that TSMC's engineering expertise gives it an edge in producing the next generation of artificial intelligence (AI) and cloud computing chips and that the company remains attractively valued as it enters a period of renewed profitability. Disco, a Japanese manufacturer of precision cutting, grinding, and polishing machines for the semiconductor industry, was a sizable contributor as it, too, benefited from investor excitement over companies exposed to AI. Utilities represented a modest allocation of the portfolio in absolute terms but added value thanks to positive stock selection. Our holding in NTPC, India's largest power utility, was a key performance contributor as the company drew closer to monetizing its renewable energy investments and its earnings growth accelerated. NTPC is a beneficiary of rising power sector investment in India, where rapid economic growth has driven up electricity demand and highlighted the need to add capacity in the country. (Please refer to the portfolio of investments for a complete list of holdings and the amount each represents in the portfolio.)

Turning to detractors, consumer staples weighed the most on relative returns owing to adverse stock selection and an overweight to the sector, which lagged the benchmark. JD Health International, an online health care platform and drugstore operator in China, led detractors in the staples sector as its business slowed from a pandemic-driven boom and pessimism grew over the country's uneven post-lockdown recovery, leading investors to retreat from Chinese stocks for most of 2023. Industrials and business services stocks significantly hurt relative performance due to unfavorable selection. Teleperformance, a French business process outsourcing company, was a large detractor. Shares of Teleperformance, which provides content moderation and customer service to tech companies such as TikTok and Apple, fell as its revenue slowed after the pandemic and concerns rose that the rise of AI would erode demand for some of its services.

#### How is the fund positioned?

The International Stock Portfolio seeks to own companies in non-U.S. developed and emerging markets that we believe can achieve and sustain above-average earnings growth over the long term. Sector and country positioning is primarily driven by bottom-up stock selection based on in-depth fundamental research performed by T. Rowe Price's global equity analyst team. We leaned into bouts of elevated market volatility throughout our fiscal year to add to quality, defensive growth companies and select cyclical names at attractive valuations. We believe that our positioning offers protection against a possible economic downturn while maintaining some exposure to an extension of the cycle if inflation falls more quickly than expected.

At the end of December, IT was the most overweight sector largely due to our sizable positions in semiconductor-related names. Taiwanese chip foundry TSMC and Dutch semiconductor manufacturing equipment maker ASML were the largest IT positions and the portfolio's top two holdings. One of the largest trades in the second half of our fiscal year was starting a position in Hexagon, a Swedish industrial technology company that specializes in advanced measurement technologies, software, and sensors. Hexagon has a strong management team, serves a wide range of industries, and commands a leading position in most of its end markets. We also added to our core holding in German enterprise software vendor SAP, which has stepped up efforts to simplify its portfolio of acquired software assets and shift its business toward a cloud-based, recurring revenue model.

Health care was the second-largest overweight sector against the benchmark at year-end. Our health care holdings were focused on the health care equipment and supplies industry mainly through our investments in Alcon, a Swiss company that makes contact lenses and eye care products, and UK medical device maker Smith & Nephew. We also maintained significant exposure to pharmaceuticals companies, anchored

by positions in Novo Nordisk, AstraZeneca, and Chugai Pharmaceutical. Our allocation to health care declined in our fiscal year's second half as we eliminated several pharma names, including Swiss drugmaker Roche. Though we regard Roche as one of the highest-quality names in the sector, the company is grappling with disappointing results from several pivotal trials, unfavorable currency trends weighing on earnings, and few promising drugs under development that can drive near-term growth.

Industrials and business services represented a sizable sector in absolute terms and a modest overweight against the benchmark. Our industrial holdings were concentrated in European aerospace and defense companies, such as French aircraft equipment manufacturer Safran and aerospace company Dassault Aviation, as well as in the ground transportation industry through positions including Canadian National Railway and Canadian Pacific Kansas City. Our industrials allocation edged up in the past six months following several key trades. We initiated a position in credit data and analytics company Experian and added to our core holding in Canadian National Railway, which is benefiting from a rising price environment and well positioned to generate durable and consistent earnings growth over time. As for sales, we eliminated Teleperformance and reduced our position in Fluidra, a Spanish manufacturer of swimming pools and related products. Fluidra is the leading global player in an attractive, fast-growing market that experienced outsized growth during the pandemic. However, its management recently flagged an uncertain environment in 2024 as the prospect of higher-for-longer interest rates in many markets has deterred homeowners from installing a new pool. We used sale proceeds to buy names that we think have clearer nearterm growth potential.

SECTOR DIVERSIFICATION		
	Percent of Net Asset	
	6/30/23	12/31/23
Information Technology	16.4%	17.7%
Financials	16.1	16.9
Industrials and Business Services	15.2	16.2
Health Care	15.4	14.2
Consumer Discretionary	10.8	10.1
Consumer Staples	10.7	9.3
Communication Services	6.1	5.9
Materials	3.7	2.9
Energy	1.8	2.1
Utilities	1.4	1.6
Real Estate	0.2	0.7
Other and Reserves	2.2	2.4
Total	100.0%	100.0%

Historical weightings reflect current industry/sector classifications.

#### What is portfolio management's outlook?

Various crosscurrents in international stock markets have made it difficult to determine what may be driving growth stocks at any given moment. On the one hand, we see sticky inflation (especially in the UK and Europe) that will likely keep interest rates higher for longer and elevated earnings estimates despite declining backlogs, rising wages, and deteriorating excess savings. Recent earnings show that some companies have responded to inflation by passing on higher costs to their customers. We think that this development is temporary, however, and that earnings in the coming quarters may disappoint. On the other hand, labor markets remain resilient, particularly in the U.S. Nevertheless, higher-forlonger interest rates increase the risk of something breaking in financial markets. Moreover, the impact from pandemic-era stimulus is subsiding just as governments have begun to worry about fiscal deficits against a backdrop of rising debt servicing costs and middling growth. These risks reinforce our view that we are in the late innings of the current cycle—even if the optimism surrounding the artificial intelligence boom has bought us a few extra outs. Weighing these factors, we believe that the upside and downside risks for markets appear relatively balanced from here.

Bottom-up stock selection based on rigorous company research is the cornerstone of our investment philosophy and process. We are confident that our fundamentals-based, valuation-sensitive approach to growth investing, combined with the substantial resources of T. Rowe Price's global research platform, will allow us to navigate the current market uncertainty and generate solid returns for shareholders over the long term.

The views expressed reflect the opinions of T. Rowe Price as of the date of this report and are subject to change based on changes in market, economic, or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

#### **PRINCIPAL RISKS**

International investing. Investing in the securities of non-U.S. issuers involves special risks not typically associated with investing in U.S. issuers. Non-U.S. securities tend to be more volatile and have lower overall liquidity than investments in U.S. securities and may lose value because of adverse local, political, social, or economic developments overseas, or due to changes in the exchange rates between foreign currencies and the U.S. dollar. In addition, investments outside the U.S. are subject to settlement practices and regulatory and financial reporting standards that differ from those of the U.S. The risks of investing outside the U.S. are heightened for any investments in emerging markets, which are susceptible to greater volatility than investments in developed markets.

Market conditions. The value of the fund's investments may decrease, sometimes rapidly or unexpectedly, due to factors affecting an issuer held by the fund, particular industries, or the overall securities markets. A variety of factors can increase the volatility of the fund's holdings and markets generally, including political or regulatory developments, recessions, inflation, rapid interest rate changes, war, military conflict, or acts of terrorism, natural disasters, and outbreaks of infectious illnesses or other widespread public health issues such as the coronavirus pandemic and related governmental and public responses (including sanctions). Certain events may cause instability across global markets, including reduced liquidity and disruptions in trading markets, while some events may affect certain geographic regions, countries, sectors, and industries more significantly than others. Government intervention in markets may impact interest rates, market volatility, and security pricing. These adverse developments may cause broad declines in market value due to short-term market movements or for significantly longer periods during more prolonged market downturns.

## **BENCHMARK INFORMATION**

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TWENTY-FIVE LARGEST H	HOLDINGS	
Company	Country	Percent of Net Assets 12/31/23
Taiwan Semiconductor	Taliana	0.00/
Manufacturing	Taiwan	3.8%
ASML Holding	Netherlands	2.7
Samsung Electronics	South Korea	2.0
Prosus	Netherlands	1.8
Nestle	Switzerland	1.8
Novo Nordisk	Denmark	1.6
NTPC	India	1.6
Deutsche Telekom	Germany	1.6
HDFC Bank	India	1.5
AIA Group	Hong Kong	1.4
Alcon	Switzerland	1.4
TMX Group	Canada	1.4
Axis Bank	India	1.4
Suncor Energy	Canada	1.4
Constellation Software	Canada	1.3
Canadian National Railway	Canada	1.2
AstraZeneca	United Kingdom	1.2
LVMH Moet Hennessy Louis Vuitton	France	1.2
Chugai Pharmaceutical	Japan	1.2
SAP	Germany	1.2
Essity	Sweden	1.2
Alibaba Group Holding	China	1.2
Smith & Nephew	United Kingdom	1.2
Safran	France	1.1
Heineken	Netherlands	1.1
Total		38.5%

Note: The information shown does not reflect any exchange-traded funds (ETFs), cash reserves, or collateral for securities lending that may be held in the portfolio.

#### **GROWTH OF \$10,000**

This chart shows the value of a hypothetical \$10,000 investment in the portfolio over the past 10 fiscal year periods or since inception (for portfolios lacking 10-year records). The result is compared with benchmarks, which include a broad-based market index and may also include a peer group average or index. Market indexes do not include expenses, which are deducted from portfolio returns as well as mutual fund averages and indexes.



12/13 12/14 12/15 12/16 12/17 12/18 12/19 12/20 12/21 12/22 12/23

#### As of 12/31/23

_	International Stock Portfolio	\$15,901
	MSCI All Country World Index ex USA Net	14,561
_	Lipper Variable Annuity Underlying International Multi-Cap Growth Funds Average	15,182

#### **AVERAGE ANNUAL COMPOUND TOTAL RETURN**

Periods Ended 12/31/23	1 Year	5 Years	10 Years
International Stock Portfolio	16.24%	7.71%	4.75%

The fund's performance information represents only past performance and is not necessarily an indication of future results. Current performance may be lower or higher than the performance data cited. Share price, principal value, and return will vary, and you may have a gain or loss when you sell your shares. For the most recent month-end performance, please contact a T. Rowe Price representative at 1-800-469-6587 (financial advisors, or customers who have an advisor, should call 1-800-638-8790). Total returns do not include charges imposed by your insurance company's separate account. If these had been included, performance would have been lower.

This table shows how the portfolio would have performed each year if its actual (or cumulative) returns for the periods shown had been earned at a constant rate. Average annual total return figures include changes in principal value, reinvested dividends, and capital gain distributions. When assessing performance, investors should consider both short- and long-term returns.

#### **FUND EXPENSE EXAMPLE**

As a mutual fund shareholder, you may incur two types of costs: (1) transaction costs, such as redemption fees or sales loads, and (2) ongoing costs, including management fees, distribution and service (12b-1) fees, and other fund expenses. The following example is intended to help you understand your ongoing costs (in dollars) of investing in the fund and to compare these costs with the ongoing costs of investing in other mutual funds. The example is based on an investment of \$1,000 invested at the beginning of the most recent six-month period and held for the entire period.

#### **Actual Expenses**

The first line of the following table (Actual) provides information about actual account values and actual expenses. You may use the information on this line, together with your account balance, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number on the first line under the heading "Expenses Paid During Period" to estimate the expenses you paid on your account during this period.

#### **Hypothetical Example for Comparison Purposes**

The information on the second line of the table (Hypothetical) is based on hypothetical account values and expenses derived from the fund's actual expense ratio and an assumed 5% per year rate of return before expenses (not the fund's actual return). You may compare the ongoing costs of investing in the fund with other funds by contrasting this 5% hypothetical example and the 5% hypothetical examples that appear in the shareholder reports of the other funds. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period.

You should also be aware that the expenses shown in the table highlight only your ongoing costs and do not reflect any transaction costs, such as redemption fees or sales loads. Therefore, the second line of the table is useful in comparing ongoing costs only and will not help you determine the relative total costs of owning different funds. To the extent a fund charges transaction costs, however, the total cost of owning that fund is higher.

# INTERNATIONAL STOCK PORTFOLIO

	Beginning Account Value 7/1/23	Ending Account Value 12/31/23	Expenses Paid During Period* 7/1/23 to 12/31/23
Actual	\$1,000.00	\$1,044.60	\$4.90
Hypothetical (assumes 5% return before expenses)	1,000.00	1,020.42	4.84

<sup>\*</sup> Expenses are equal to the fund's annualized expense ratio for the 6-month period (0.95%), multiplied by the average account value over the period, multiplied by the number of days in the most recent fiscal half year (184), and divided by the days in the year (365) to reflect the half-year period.

# FINANCIAL HIGHLIGHTS

For a share outstanding throughout each period

		Year Ended 12/31/23		12/31/22		12/31/21		12/31/20		12/31/19
NET ASSET VALUE Beginning of period	\$	13.04	\$	16.01	\$	17.08	\$	15.62	\$	13.04
	'		'		'		'		'	
Investment activities		0.40		0.44		0.44		0.00		0.04(3)
Net investment income <sup>(1)(2)</sup>		0.13		0.11		0.11		0.08		0.34(3)
Net realized and unrealized gain/loss		1.98		(2.64)		0.09		2.17		3.27
Total from investment activities		2.11		(2.53)		0.20		2.25		3.61
Distributions										
Net investment income		(0.14)		(0.11)		(0.11)		(0.09)		(0.37)
Net realized gain		` _		(0.33)		(1.16)		(0.70)		(0.66)
Total distributions		(0.14)		(0.44)		(1.27)		(0.79)		(1.03)
NET ASSET VALUE										
End of period	\$	15.01	\$	13.04	\$	16.01	\$	17.08	\$	15.62
Ratios/Supplemental Data										
Total return <sup>(2)(4)</sup>		16.24%		(15.81)%		1.32%		14.45%		27.77%
Ratios to average net assets:(2)										
Gross expenses before waivers/payments by Price										
Associates		1.05%		1.05%		1.05%		1.05%		1.05%
Net expenses after waivers/payments by Price										
Associates		0.95%		0.95%		0.95%		0.95%		0.95%
Net investment income		0.89%		0.79%		0.59%		0.56%		2.31%(3)
Portfolio turnover rate		32.9%		31.1%		29.1%		30.6%		33.8%
Net assets, end of period (in thousands)	\$	247,785	\$	223,011	\$	291,749	\$	300,544	\$	295,743

<sup>(1)</sup> Per share amounts calculated using average shares outstanding method.

<sup>(2)</sup> See Note 7 for details of expense-related arrangements with Price Associates.

<sup>(3)</sup> Reflects special dividends which amounted to \$0.16 per share and 1.07% of average net assets.

<sup>(4)</sup> Total return reflects the rate that an investor would have earned on an investment in the fund during each period, assuming reinvestment of all distributions, and payment of no redemption or account fees, if applicable.

December 31, 2023

INVESTMENTS <sup>‡</sup>	Shares	\$ Value		Shares	\$ Value
Cost and value in \$000s)			(Cost and value in \$000s)		
ARGENTINA 0.9%			Yum China Holdings (USD)	30,324	1,287
ANGLITINA 0.3 /0			Common Stocks - China A		11,320
Common Stocks 0.9%			Shares 2.1%		
MercadoLibre (USD) (1)	1,369	2,151	Kweichow Moutai, A Shares (CNH)	5,870	1,428
Total Argentina (Cost \$1,478)		2,151	NARI Technology, A Shares (CNH) Shandong Pharmaceutical Glass, A	521,996	1,64 <sup>-</sup>
BRAZIL 1.5%			Shares (CNH) Shenzhen Inovance Technology, A	204,900	739
Common Stocks 1.5%			Shares (CNH)	159,500	1,42
33	152,500	456			5,22
_ocaliza Rent a Car	55,151	722	Tatal Ohio - (Oa at 044 070)		
Localiza Rent a Car, Rights,	33,131	122	Total China (Cost \$14,279)		16,54
2/6/24 (1)	198	1	CYPRIES O ON		
Raia Drogasil	211,595	1,281	CYPRUS 0.0%		
Suzano	116,746	1,330	Common Stocks 0.00/		
	110,740		Common Stocks 0.0%		
Total Brazil (Cost \$2,832)		3,790	TCS Group Holding, GDR (USD) (1) (3)	7,243	_
CANADA 9.6%			Total Cyprus (Cost \$434)		
Common Stocks 9.6%			DENMARK 2.5%		
Canadian National Railway (USD)	24,314	3,055			
Canadian Pacific Kansas City			Common Stocks 2.5%		
USD) (2)	33,214	2,626	Coloplast, Class B	5,842	66
Constellation Software	1,266	3,139	Genmab (1)	4,946	1,57
Constellation Software, Warrants,			Novo Nordisk, ADR (USD)	38,656	3,99
3/31/40 (1)(3)	1,253	_			
Definity Financial	27,097	768	Total Denmark (Cost \$5,038)		6,24
Descartes Systems Group (USD) (1)	13,939	1,172	-D 1110- 5 00/		
Element Fleet Management	125,898	2,048	FRANCE 5.9%		
National Bank of Canada	25,101	1,913			
Shopify, Class A (USD) (1)	28,030	2,183	Common Stocks 5.9%		
Suncor Energy	105,562	3,382	Capgemini (5)	10,954	2,28
ГМХ Group	144,134	3,486	Dassault Aviation	11,559	2,29
Fotal Canada (Cost \$19,976)		23,772	Eurofins Scientific	2,982	19
			Kering	795	35
CAYMAN ISLANDS 0.5%			LVMH Moet Hennessy Louis Vuitton	3,621	2,94
			Safran	15,995	2,82
Convertible Preferred			Sartorius Stedim Biotech	5,844	1,55
Stocks 0.5%			Thales	14,960	2,21
ByteDance, Series E, Acquisition Date: 7/8/19, Cost \$273 (USD) (1)			Total France (Cost \$9,355)		14,65
(3)(4)	5,545	1,324	GERMANY 7.2%		
Total Cayman Islands (Cost			O O to - I O 50'		
\$273)		1,324	Common Stocks 6.5%		
			Daimler Truck Holding (5)	31,686	1,19
CHINA 6.7%			Deutsche Boerse	8,353	1,72
			Deutsche Telekom	164,288	3,95
Common Stocks 4.6%			Evotec (1)	89,413	2,09
58.com (USD) (1)(3)	65,164	_	Infineon Technologies	18,696	78
Alibaba Group Holding, ADR (USD)	36,961	2,865	Merck	5,520	87
BeiGene, ADR (USD) (1)(2)	7,763	1,400	Puma	29,284	1,62
ID Health International (HKD) (1)	173,150	869	SAP	18,860	2,90
KE Holdings, ADR (USD)	59,000	956	Schott Pharma (1)	25,086	93
PDD Holdings, ADR (USD) (1)	8,300	1,214			16,08
Silergy (TWD)	66,000	1,071			
/マ. g , \ ' <b>・・レ</b> /		1,658			

	Shares	\$ Value		Shares	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Preferred Stocks 0.7%			Persol Holdings	800,500	1,370
Sartorius (2)	4,984	1,830	Recruit Holdings	50,800	2,124
Sartorius (2)	4,904		Seven & i Holdings	64,900	2,567
		1,830	Shimadzu	27,000	753
Total Germany (Cost \$15,049)		17,913	SMC	1,100	588
HONG KONG C OX			Sony Group	22,700	2,148
HONG KONG 2.0%			Stanley Electric	48,300	906
0			Sumitomo Metal Mining	34,700	1,030
Common Stocks 2.0%			Total Japan (Cost \$29,474)		35,690
AIA Group	406,200	3,535			
Hong Kong Exchanges & Clearing	42,900	1,472	<b>NETHERLANDS 7.1%</b>		
Total Hong Kong (Cost \$2,499)		5,007			
			Common Stocks 7.1%		
INDIA 6.7%			Adyen (1)(5)	1,127	1,455
			Akzo Nobel (5)	26,998	2,235
Common Stocks 6.7%			ASML Holding	8,748	6,604
Axis Bank	260,002	3,434	Heineken	27,680	2,812
HDFC Bank	186,581	3,819	Prosus	151,041	4,496
HDFC Life Insurance	197,072	1,530	Total Netherlands (Cost \$11,168)		17,602
Larsen & Toubro	65,132	2,754	(		
NTPC	1,063,485	3,965	PHILIPPINES 0.6%		
Varun Beverages	76,057	1,130			
Total India (Cost \$10,161)		16,632	Common Stocks 0.6%		
			SM Investments	101,105	1,591
INDONESIA 1.3%			Total Philippines (Cost \$1,584)		1,591
Common Stocks 1.3%					
	2 960 600	0.262	PORTUGAL 1.4%		
Bank Central Asia Sarana Menara Nusantara	3,869,600 14,294,900	2,363 918			
	14,294,900		Common Stocks 1.4%		
Total Indonesia (Cost \$1,057)		3,281	Galp Energia	126,289	1,858
ITALY 4 00/			Jeronimo Martins	66,726	1,698
ITALY 1.8%			Total Portugal (Cost \$2,381)		3,556
Common Stocks 1.8%					
Amplifon	7,342	255	SAUDI ARABIA 0.7%		
Banca Mediolanum	165,165	1,560			
DiaSorin	16,992	1,751	Common Stocks 0.7%		
Ermenegildo Zegna (USD) (2)	77,802	900	Saudi National Bank	155,339	1,602
	11,002	4,466	Total Saudi Arabia (Cost \$1,447)		1,602
Total Italy (Cost \$4,235)		4,400			
JAPAN 14.4%			SINGAPORE 0.5%		
			Common Stocks 0.5%		
Common Stocks 14.4%			Sea, ADR (USD) (1)	29,113	1,179
Calbee	67,800	1,363		29,113	
Chugai Pharmaceutical	77,500	2,928	Total Singapore (Cost \$1,403)		1,179
Daiichi Sankyo	70,000	1,916			
Daikin Industries	8,200	1,330	SOUTH AFRICA 0.4%		
Disco	9,700	2,396	0 0 1 0 40/		
Hikari Tsushin	5,800	959	Common Stocks 0.4%		
Keyence	5,300	2,329	Capitec Bank Holdings	9,860	1,100
LY	524,900	1,856	Total South Africa (Cost \$586)		1,100
Mitsui Fudosan	30,900	755			
Murata Manufacturing	95,700	2,022	<b>SOUTH KOREA 3.0%</b>		
Nextage	59,500	1,090			
Nippon Telegraph & Telephone	1,913,000	2,336	Common Stocks 3.0%		
Olympus	161,300	2,328	LG Chem	2,500	962
Outsourcing (1)	48,500	596			

	Shares	\$ Value		Shares	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
NAVER (1)	7,728	1,337	Unilever (EUR)	36,411	1,765
Samsung Electronics	83,687	5,079			14,615
Total South Korea (Cost \$3,956)		7,378	Convertible Preferred Stocks 0.1%		
<b>SPAIN 1.4%</b>			Yulife Holdings, Series C,		
Common Stocks 1.4%			Acquisition Date: 10/11/22, Cost \$103 (1)(3)(4)	5,222	119
Amadeus IT Group, Class A	33,863	2,432	0031 \$100 (1)(0)(4)		
Fluidra	47.121	982			119
Total Spain (Cost \$2,724)		3,414	Total United Kingdom (Cost \$12,128)		14,734
SWEDEN 2.9%			UNITED STATES 2.6%		
Common Stocks 2.9%			Common Stocks 2.6%		
Assa Abloy, Class B	74,138	2,137	Canva, Acquisition Date: 8/16/21 -		
Essity, Class B	115,806	2,137	11/4/21, Cost \$471 (1)(3)(4)	276	295
Hexagon, Class B	124,868	1,500	Linde	4,258	1.749
Swedbank, Class A	37,224	752	Mastercard, Class A	4,481	1,911
Total Sweden (Cost \$5,542)		7,259	Waste Connections	15,958	2,382
iotai Sweden (Oost \$5,542)		1,259			6,337
SWITZERLAND 5.8%			Convertible Preferred Stocks 0.0%		
Common Stocks 5.8%					
			Canva, Series A, Acquisition Date:	10	4-
Alcon	45,119	3,530	11/4/21, Cost \$27 (1)(3)(4)	16	17
Cie Financiere Richemont	4,606	636			17
Julius Baer Group	47,045	2,639	Total United States (Cost \$3,767)		6,354
Nestle	38,685	4,484			
Partners Group Holding (5) Sonova Holding	1,776 1,164	2,568 381	SHORT-TERM INVESTMENTS 2.4%		
Total Switzerland (Cost \$9,070)	1,104	14,238	Money Market Funds 2.4%		
Total Gwitzerland (Gost \$5,570)		14,200	T. Rowe Price Government Reserve		
TAIWAN 3.8%			Fund, 5.42% (6)(7)	5,971,513	5,972
0 0 1 000			Total Short-Term Investments		
Common Stocks 3.8%			(Cost \$5,972)		5,972
Taiwan Semiconductor					
Manufacturing	487,000	9,337	<b>SECURITIES LENDING COLLATERAL 1.</b>	9%	
Total Taiwan (Cost \$1,372)		9,337			
THAILAND 0.5%			INVESTMENTS IN A POOLED ACCOUNT		
THAILAND 0.370			SECURITIES LENDING PROGRAM WITH	1 JPMORGAN	
Common Stocks 0.5%			CHASE BANK 1.9%		
	26.000	040	Money Market Funds 1.9%		
Bumrungrad Hospital CP ALL	36,900 547,600	240 897	T. Rowe Price Government Reserve	4	4.70
Total Thailand (Cost \$823)		1,137	Fund, 5.42% (6)(7)  Total Investments in a Pooled Account t	4,730,672	4,731
UNITED KINGDOM 6.0%			Securities Lending Program with JPMor	-	
ONITED KINGDOM 0.0%			Bank Total Securities Landing Colletons		4,731
Common Stocks 5.9%			Total Securities Lending Collateral (Cost \$4,731)		4,731
Ashtead Group	24,605	1,710	Total Investments in Securities		
AstraZeneca, ADR (USD)	44,757	3,014			
Bridgepoint Group	244,157	865	102.0% of Net Assets (Cost \$184,794)	\$	252,655
Experian	37,254	1,520	(3331 \$ 104,134)	<u>\$</u>	202,000
Hiscox	34,207	460			
London Stock Exchange Group	20,509	2,424			
Smith & Nephew	208,015	2,857			

- ‡ Country classifications are generally based on MSCI categories or another unaffiliated third party data provider; Shares and Notional Amount are denominated in the currency of the country presented unless otherwise noted.
- (1) Non-income producing
- (2) See Note 4. All or a portion of this security is on loan at December 31, 2023.
- (3) See Note 2. Level 3 in fair value hierarchy.
- (4) Security cannot be offered for public resale without first being registered under the Securities Act of 1933 and related rules ("restricted security"). Acquisition date represents the day on which an enforceable right to acquire such security is obtained and is presented along with related cost in the security description. The fund may have registration rights for certain restricted securities. Any costs related to such registration are generally borne by the issuer. The aggregate value of restricted securities (excluding 144A holdings) at period end amounts to \$1,755 and represents 0.7% of net assets.
- (5) All or a portion of this security is pledged to cover or as collateral for written call options at December 31, 2023.
- (6) Seven-day yield
- (7) Affiliated Companies
- ADR American Depositary Receipts
- CHF Swiss Franc
- CNH Offshore China Renminbi
- EUR Euro
- GDR Global Depositary Receipts
- HKD Hong Kong Dollar
- OTC Over-the-counter
- TWD Taiwan Dollar
- USD U.S. Dollar

(Amounts in 000s, except for contracts)

# **OPTIONS WRITTEN (0.0)%**

# OTC Options Written (0.0)%

		Notional	
Description	Contracts	Amount	\$ Value
Adyen, Call, 1/19/24 @ 1,200.00 (EUR)	10	117	(2)
Adyen, Call, 1/19/24 @ 1,300.00 (EUR)	10	117	<del>-</del>
Akzo Nobel, Call, 1/19/24 @ 74.00 (EUR)	16	120	(3)
Akzo Nobel, Call, 2/16/24 @ 76.00 (EUR)	16	120	(4)
Capgemini, Call, 1/19/24 @ 200.00 (EUR)	6	113	_
Capgemini, Call, 1/19/24 @ 205.00 (EUR)	5	94	<del>-</del>
Daimler Truck Holding, Call, 1/19/24 @ 34.00 (EUR)	35	119	(3)
Daimler Truck Holding, Call, 2/16/24 @ 35.00 (EUR)	33	112	(2)
Partners Group Holding, Call, 1/19/24 @ 1,200.00 (CHF)	10	121	(5)
niums \$(18))		\$	(19)
	Adyen, Call, 1/19/24 @ 1,200.00 (EUR) Adyen, Call, 1/19/24 @ 1,300.00 (EUR) Akzo Nobel, Call, 1/19/24 @ 74.00 (EUR) Akzo Nobel, Call, 2/16/24 @ 76.00 (EUR) Capgemini, Call, 1/19/24 @ 200.00 (EUR) Capgemini, Call, 1/19/24 @ 205.00 (EUR) Daimler Truck Holding, Call, 1/19/24 @ 34.00 (EUR) Daimler Truck Holding, Call, 2/16/24 @ 35.00 (EUR) Partners Group Holding, Call, 1/19/24 @ 1,200.00 (CHF)	Adyen, Call, 1/19/24 @ 1,200.00 (EUR) 10 Adyen, Call, 1/19/24 @ 1,300.00 (EUR) 10 Akzo Nobel, Call, 1/19/24 @ 74.00 (EUR) 16 Akzo Nobel, Call, 2/16/24 @ 76.00 (EUR) 16 Capgemini, Call, 1/19/24 @ 200.00 (EUR) 6 Capgemini, Call, 1/19/24 @ 205.00 (EUR) 5 Daimler Truck Holding, Call, 1/19/24 @ 34.00 (EUR) 35 Daimler Truck Holding, Call, 1/19/24 @ 35.00 (EUR) 33 Partners Group Holding, Call, 1/19/24 @ 1,200.00 (CHF) 10	Description         Contracts         Amount           Adyen, Call, 1/19/24 @ 1,200.00 (EUR)         10         117           Adyen, Call, 1/19/24 @ 1,300.00 (EUR)         10         117           Akzo Nobel, Call, 1/19/24 @ 74.00 (EUR)         16         120           Akzo Nobel, Call, 2/16/24 @ 76.00 (EUR)         16         120           Capgemini, Call, 1/19/24 @ 200.00 (EUR)         6         113           Capgemini, Call, 1/19/24 @ 205.00 (EUR)         5         94           Daimler Truck Holding, Call, 1/19/24 @ 34.00 (EUR)         35         119           Daimler Truck Holding, Call, 2/16/24 @ 35.00 (EUR)         33         112           Partners Group Holding, Call, 1/19/24 @ 1,200.00 (CHF)         10         121

# AFFILIATED COMPANIES

(\$000s)

The fund may invest in certain securities that are considered affiliated companies. As defined by the 1940 Act, an affiliated company is one in which the fund owns 5% or more of the outstanding voting securities, or a company that is under common ownership or control. The following securities were considered affiliated companies for all or some portion of the year ended December 31, 2023. Net realized gain (loss), investment income, change in net unrealized gain/loss, and purchase and sales cost reflect all activity for the period then ended.

Change in Net

Affiliate			Net Realized Gain (Loss)	Unrealized Gain/Loss	Investment Income
T. Rowe Price Government Reserve Fund, 5.42%		\$	<b>–</b> \$	- \$	271++
Totals		\$	<u>-</u> # \$	- \$	271+
Supplementary Investment Schedule					
		Value	Purchase	Sales	
					Value
Affiliate		12/31/22	Cost	Cost	Value 12/31/23
Affiliate T. Rowe Price Government Reserve Fund, 5.42%	<u> </u>		Cost		

- # Capital gain distributions from underlying Price funds represented \$0 of the net realized gain (loss).
- ++ Excludes earnings on securities lending collateral, which are subject to rebates and fees as described in Note 4.
- + Investment income comprised \$271 of dividend income and \$0 of interest income.
- purchase and sale information not shown for cash management funds.
- ^ The cost basis of investments in affiliated companies was \$10,703.

December 31, 2023

# STATEMENT OF ASSETS AND LIABILITIES

**NET ASSETS** 

**NET ASSET VALUE PER SHARE** 

(\$000s, except shares and per share amounts)	
Assets Investments in securities, at value (cost \$184,794) Foreign currency (cost \$215) Dividends receivable Receivable for investment securities sold Receivable for shares sold Other assets Total assets	\$ 252,655 215 209 171 4 503 253,757
Liabilities Obligation to return securities lending collateral Investment management and administrative fees payable Payable for shares redeemed Payable for investment securities purchased Options written (premiums \$18) Other liabilities Total liabilities	 4,731 217 134 56 19 815 5,972
NET ASSETS	\$ 247,785
Net Assets Consist of: Total distributable earnings (loss) Paid-in capital applicable to 16,503,995 shares of \$0.0001 par value capital stock outstanding; 1,000,000,000 shares of the Corporation authorized	\$ 64,648 183,137

247,785

15.01

The accompanying notes are an integral part of these financial statements.

# STATEMENT OF OPERATIONS

(\$000s)

	Year Ended 12/31/23
Investment Income (Loss)	
Income	
Dividend (net of foreign taxes of \$324)	\$ 4,334
Securities lending	20
Total income	4,354
Expenses	
Investment management and administrative expense	2,487
Waived / paid by Price Associates	(237)
Net expenses	2,250
Net investment income	2,104
Realized and Unrealized Gain / Loss	
Net realized gain (loss)	
Securities (net of foreign taxes of \$49)	7,203
Options written	25
Foreign currency transactions	(49)
Net realized gain	7,179
Change in net unrealized gain / loss	
Securities (net of increase in deferred foreign taxes of \$503)	26,275
Options written	(11)
Other assets and liabilities denominated in foreign currencies	18
Change in net unrealized gain / loss	26,282
Net realized and unrealized gain / loss	33,461
INCREASE IN NET ASSETS FROM OPERATIONS	\$ 35,565

The accompanying notes are an integral part of these financial statements.

# STATEMENT OF CHANGES IN NET ASSETS

(\$000s)

(\$000s)		
	Year Ended 12/31/23	12/31/22
Increase (Decrease) in Net Assets		
Operations		
Net investment income	\$ 2,104 \$	1,873
Net realized gain (loss)	7,179	(3,672)
Change in net unrealized gain / loss	 26,282	(43,229)
Increase (decrease) in net assets from operations	 35,565	(45,028)
Distributions to shareholders		
Net earnings	 (2,359)	(7,240)
Capital share transactions*	10.700	44.044
Shares sold Distributions reinvested	13,703	11,944
Shares redeemed	2,359	7,240
	 (24,494) (8,432)	(35,654)
Decrease in net assets from capital share transactions	 (0,432)	(16,470)
Net Assets		
Increase (decrease) during period	24,774	(68,738)
Beginning of period	223,011	291,749
End of period	\$ 247,785 \$	223,011
*Share information (000s)		
Shares sold	969	871
Distributions reinvested	161	556
Shares redeemed	 (1,729)	(2,552)
Decrease in shares outstanding	 (599)	(1,125)

The accompanying notes are an integral part of these financial statements.

#### **NOTES TO FINANCIAL STATEMENTS**

T. Rowe Price International Series, Inc. (the corporation) is registered under the Investment Company Act of 1940 (the 1940 Act). The International Stock Portfolio (the fund) is a diversified, open-end management investment company established by the corporation. The fund seeks long-term growth of capital through investments primarily in the common stocks of established, non-U.S. companies. Shares of the fund are currently offered only to insurance company separate accounts established for the purpose of funding variable annuity contracts and variable life insurance policies.

#### **NOTE 1 - SIGNIFICANT ACCOUNTING POLICIES**

Basis of Preparation The fund is an investment company and follows accounting and reporting guidance in the Financial Accounting Standards Board (FASB) Accounting Standards Codification Topic 946 (ASC 946). The accompanying financial statements were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP), including, but not limited to, ASC 946. GAAP requires the use of estimates made by management. Management believes that estimates and valuations are appropriate; however, actual results may differ from those estimates, and the valuations reflected in the accompanying financial statements may differ from the value ultimately realized upon sale or maturity.

Investment Transactions, Investment Income, and Distributions Investment transactions are accounted for on the trade date basis. Income and expenses are recorded on the accrual basis. Realized gains and losses are reported on the identified cost basis. Income tax-related interest and penalties, if incurred, are recorded as income tax expense. Dividends received from other investment companies are reflected as income; capital gain distributions are reflected as realized gain/loss. Dividend income and capital gain distributions are recorded on the ex-dividend date. Non-cash dividends, if any, are recorded at the fair market value of the asset received. Proceeds from litigation payments, if any, are included in either net realized gain (loss) or change in net unrealized gain/loss from securities. Distributions to shareholders are recorded on the ex-dividend date. Income distributions, if any, are declared and paid annually. A capital gain distribution, if any, may also be declared and paid by the fund annually.

**Currency Translation** Assets, including investments, and liabilities denominated in foreign currencies are translated into U.S. dollar values each day at the prevailing exchange rate, using the mean of the bid and asked prices of such currencies against U.S. dollars as provided by an outside pricing service. Purchases and sales of securities, income, and expenses are translated into U.S. dollars at the prevailing exchange rate on the respective date of such transaction. The effect of changes in foreign currency exchange rates on realized and unrealized security gains and losses is not bifurcated from the portion attributable to changes in market prices.

Capital Transactions Each investor's interest in the net assets of the fund is represented by fund shares. The fund's net asset value (NAV) per share is computed at the close of the New York Stock Exchange (NYSE), normally 4 p.m. ET, each day the NYSE is open for business. However, the NAV per share may be calculated at a time other than the normal close of the NYSE if trading on the NYSE is restricted, if the NYSE closes earlier, or as may be permitted by the SEC. Purchases and redemptions of fund shares are transacted at the next-computed NAV per share, after receipt of the transaction order by T. Rowe Price Associates, Inc., or its agents.

New Accounting Guidance In June 2022, the FASB issued Accounting Standards Update (ASU), ASU 2022-03, Fair Value Measurement (Topic 820) – Fair Value Measurement of Equity Securities Subject to Contractual Sale Restrictions, which clarifies that a contractual restriction on the sale of an equity security is not considered part of the unit of account of the equity security and, therefore, is not considered in measuring fair value. The amendments under this ASU are effective for fiscal years beginning after December 15, 2023; however, the fund opted to early adopt, as permitted, effective December 1, 2022. Adoption of the guidance did not have a material impact on the fund's financial statements.

**Indemnification** In the normal course of business, the fund may provide indemnification in connection with its officers and directors, service providers, and/or private company investments. The fund's maximum exposure under these arrangements is unknown; however, the risk of material loss is currently considered to be remote.

#### **NOTE 2 - VALUATION**

Fair Value The fund's financial instruments are valued at the close of the NYSE and are reported at fair value, which GAAP defines as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fund's Board of Directors (the Board) has designated T. Rowe Price Associates, Inc. as the fund's valuation designee (Valuation Designee). Subject to oversight by the Board, the Valuation Designee performs the following functions in performing fair value determinations: assesses and manages valuation risks; establishes and applies fair value methodologies; tests fair value methodologies; and evaluates pricing vendors and pricing agents. The duties and responsibilities of the Valuation Designee are performed by its Valuation Committee. The Valuation Designee provides periodic reporting to the Board on valuation matters.

Various valuation techniques and inputs are used to determine the fair value of financial instruments. GAAP establishes the following fair value hierarchy that categorizes the inputs used to measure fair value:

Level 1 - quoted prices (unadjusted) in active markets for identical financial instruments that the fund can access at the reporting date

Level 2 – inputs other than Level 1 quoted prices that are observable, either directly or indirectly (including, but not limited to, quoted prices for similar financial instruments in active markets, quoted prices for identical or similar financial instruments in inactive markets, interest rates and yield curves, implied volatilities, and credit spreads)

Level 3 – unobservable inputs (including the Valuation Designee's assumptions in determining fair value)

Observable inputs are developed using market data, such as publicly available information about actual events or transactions, and reflect the assumptions that market participants would use to price the financial instrument. Unobservable inputs are those for which market data are not available and are developed using the best information available about the assumptions that market participants would use to price the financial instrument. GAAP requires valuation techniques to maximize the use of relevant observable inputs and minimize the use of unobservable inputs. When multiple inputs are used to derive fair value, the financial instrument is assigned to the level within the fair value hierarchy based on the lowest-level input that is significant to the fair value of the financial instrument. Input levels are not necessarily an indication of the risk or liquidity associated with financial instruments at that level but rather the degree of judgment used in determining those values.

Valuation Techniques Equity securities, including exchange-traded funds, listed or regularly traded on a securities exchange or in the over-the-counter (OTC) market are valued at the last quoted sale price or, for certain markets, the official closing price at the time the valuations are made. OTC Bulletin Board securities are valued at the mean of the closing bid and asked prices. A security that is listed or traded on more than one exchange is valued at the quotation on the exchange determined to be the primary market for such security. Listed securities not traded on a particular day are valued at the mean of the closing bid and asked prices for domestic securities and the last quoted sale or closing price for international securities.

The last quoted prices of non-U.S. equity securities may be adjusted to reflect the fair value of such securities at the close of the NYSE, if the Valuation Designee determines that developments between the close of a foreign market and the close of the NYSE will affect the value of some or all of the fund's portfolio securities. Each business day, the Valuation Designee uses information from outside pricing services to evaluate the quoted prices of portfolio securities and, if appropriate, decide whether it is necessary to adjust quoted prices to reflect fair value by reviewing a variety of factors, including developments in foreign markets, the performance of U.S. securities markets, and the performance of instruments trading in U.S. markets that represent foreign securities and baskets of foreign securities. The Valuation Designee uses outside pricing services to provide it with quoted prices and information to evaluate or adjust those prices. The Valuation Designee cannot predict how often it will use quoted prices and how often it will determine it necessary to adjust those prices to reflect fair value.

Investments in mutual funds are valued at the mutual fund's closing NAV per share on the day of valuation. Listed options, and OTC options with a listed equivalent, are valued at the mean of the closing bid and asked prices and exchange-traded options on futures contracts are valued at closing settlement prices. Assets and liabilities other than financial instruments, including short-term receivables and payables, are carried at cost, or estimated realizable value, if less, which approximates fair value.

Investments for which market quotations are not readily available or deemed unreliable are valued at fair value as determined in good faith by the Valuation Designee. The Valuation Designee has adopted methodologies for determining the fair value of investments for which market quotations are not readily available or deemed unreliable, including the use of other pricing sources. Factors used in determining fair value vary by type of investment and may include market or investment specific considerations. The Valuation

Designee typically will afford greatest weight to actual prices in arm's length transactions, to the extent they represent orderly transactions between market participants, transaction information can be reliably obtained, and prices are deemed representative of fair value. However, the Valuation Designee may also consider other valuation methods such as market-based valuation multiples; a discount or premium from market value of a similar, freely traded security of the same issuer; discounted cash flows; yield to maturity; or some combination. Fair value determinations are reviewed on a regular basis. Because any fair value determination involves a significant amount of judgment, there is a degree of subjectivity inherent in such pricing decisions. Fair value prices determined by the Valuation Designee could differ from those of other market participants, and it is possible that the fair value determined for a security may be materially different from the value that could be realized upon the sale of that security.

**Valuation Inputs** The following table summarizes the fund's financial instruments, based on the inputs used to determine their fair values on December 31, 2023 (for further detail by category, please refer to the accompanying Portfolio of Investments):

(\$000s)		Level 1	Level 2	Level 3	Total Value
Assets					
Common Stocks	\$	34,043 \$	204,324 \$	295 \$	238,662
Convertible Preferred Stocks		_	_	1,460	1,460
Preferred Stocks		_	1,830	_	1,830
Short-Term Investments		5,972	_	_	5,972
Securities Lending Collateral	<u></u>	4,731	_	_	4,731
Total	\$	44,746 \$	206,154 \$	1,755 \$	252,655
Liabilities					
Options Written	\$	- \$	19 \$	- \$	19

#### **NOTE 3 - DERIVATIVE INSTRUMENTS**

During the year ended December 31, 2023, the fund invested in derivative instruments. As defined by GAAP, a derivative is a financial instrument whose value is derived from an underlying security price, foreign exchange rate, interest rate, index of prices or rates, or other variable; it requires little or no initial investment and permits or requires net settlement. The fund invests in derivatives only if the expected risks and rewards are consistent with its investment objectives, policies, and overall risk profile, as described in its prospectus and Statement of Additional Information. The fund may use derivatives for a variety of purposes and may use them to establish both long and short positions within the fund's portfolio. Potential uses include to hedge against declines in principal value, increase yield, invest in an asset with greater efficiency and at a lower cost than is possible through direct investment, to enhance return, or to adjust credit exposure. The risks associated with the use of derivatives are different from, and potentially much greater than, the risks associated with investing directly in the instruments on which the derivatives are based.

The fund values its derivatives at fair value and recognizes changes in fair value currently in its results of operations. Accordingly, the fund does not follow hedge accounting, even for derivatives employed as economic hedges. Generally, the fund accounts for its derivatives on a gross basis. It does not offset the fair value of derivative liabilities against the fair value of derivative assets on its financial statements, nor does it offset the fair value of derivative instruments against the right to reclaim or obligation to return collateral. The following table summarizes the fair value of the fund's derivative instruments held as of December 31, 2023, and the related location on the accompanying Statement of Assets and Liabilities, presented by primary underlying risk exposure:

Location on Statement of Assets and Liabilities	Fair Value
Options Written	\$ 19
	\$ 19

Additionally, the amount of gains and losses on derivative instruments recognized in fund earnings during the year ended December 31, 2023, and the related location on the accompanying Statement of Operations is summarized in the following table by primary underlying risk exposure:

(\$000s)	Location of Gain (Loss) on Statement of Operations	
		Options Written
Realized Gain (Loss)		
Equity derivatives		\$ 25
Total		\$ 25
Change in Unrealized Gain (Loss)		
Equity derivatives		\$ (11)
Total		\$ (11)

Counterparty Risk and Collateral The fund invests in derivatives, such as non-cleared bilateral swaps, forward currency exchange contracts, and/or OTC options, that are transacted and settle directly with a counterparty (bilateral derivatives), and thereby may expose the fund to counterparty risk. To mitigate this risk, the fund has entered into master netting arrangements (MNAs) with certain counterparties that permit net settlement under specified conditions and, for certain counterparties, also require the exchange of collateral to cover mark-to-market exposure. MNAs may be in the form of International Swaps and Derivatives Association master agreements (ISDAs) or foreign exchange letter agreements (FX letters).

MNAs govern the ability to offset amounts the fund owes a counterparty against amounts the counterparty owes the fund (net settlement). Both ISDAs and FX letters generally allow termination of transactions and net settlement upon the occurrence of contractually specified events, such as failure to pay or bankruptcy. In addition, ISDAs specify other events, the occurrence of which would allow one of the parties to terminate. For example, a downgrade in credit rating of a counterparty below a specified rating would allow the fund to terminate, while a decline in the fund's net assets of more than a specified percentage would allow the counterparty to terminate. Upon termination, all transactions with that counterparty would be liquidated and a net termination amount determined. ISDAs typically include collateral agreements whereas FX letters do not. Collateral requirements are determined daily based on the net aggregate unrealized gain or loss on all bilateral derivatives with each counterparty, subject to minimum transfer amounts that typically range from \$100,000 to \$250,000. Any additional collateral required due to changes in security values is typically transferred the next business day.

Collateral may be in the form of cash or debt securities issued by the U.S. government or related agencies, although other securities may be used depending on the terms outlined in the applicable MNA. Cash posted by the fund is reflected as cash deposits in the accompanying financial statements and generally is restricted from withdrawal by the fund; securities posted by the fund are so noted in the accompanying Portfolio of Investments; both remain in the fund's assets. Collateral pledged by counterparties is not included in the fund's assets because the fund does not obtain effective control over those assets. For bilateral derivatives, collateral posted or received by the fund is held in a segregated account at the fund's custodian. While typically not sold in the same manner as equity or fixed income securities, OTC and bilateral derivatives may be unwound with counterparties or transactions assigned to other counterparties

to allow the fund to exit the transaction. This ability is subject to the liquidity of underlying positions. As of December 31, 2023, no collateral was pledged by either the fund or counterparties for bilateral derivatives.

Options The fund is subject to equity price risk in the normal course of pursuing its investment objectives and uses options to help manage such risk. The fund may use options to manage exposure to security prices, interest rates, foreign currencies, and credit quality; as an efficient means of adjusting exposure to all or a part of a target market; to enhance income; as a cash management tool; or to adjust credit exposure. The fund may buy or sell options that can be settled either directly with the counterparty (OTC option) or through a central clearinghouse (exchange-traded option). Options are included in net assets at fair value, options purchased are included in Investments in Securities, and options written are separately reflected as a liability on the accompanying Statement of Assets and Liabilities. Premiums on unexercised, expired options are recorded as realized gains or losses on the accompanying Statement of Operations; premiums on exercised options are recorded as an adjustment to the proceeds from the sale or cost of the purchase. The difference between the premium and the amount received or paid in a closing transaction is also treated as realized gain or loss on the accompanying Statement of Operations. In return for a premium paid, call and put options give the holder the right, but not the obligation, to purchase or sell, respectively, a security at a specified exercise price. Risks related to the use of options include possible illiquidity of the options markets; trading restrictions imposed by an exchange or counterparty; possible failure of counterparties to meet the terms of the agreements; movements in the underlying asset values and, for options written, the potential for losses to exceed any premium received by the fund. During the year ended December 31, 2023, the volume of the fund's activity in options, based on underlying notional amounts, was generally less than 1% of net assets.

#### **NOTE 4 - OTHER INVESTMENT TRANSACTIONS**

Consistent with its investment objective, the fund engages in the following practices to manage exposure to certain risks and/or to enhance performance. The investment objective, policies, program, and risk factors of the fund are described more fully in the fund's prospectus and Statement of Additional Information.

Emerging and Frontier Markets The fund invests, either directly or through investments in other T. Rowe Price funds, in securities of companies located in, issued by governments of, or denominated in or linked to the currencies of emerging and frontier market countries. Emerging markets, and to a greater extent frontier markets, tend to have economic structures that are less diverse and mature, less developed legal and regulatory regimes, and political systems that are less stable, than those of developed countries. These markets may be subject to greater political, economic, and social uncertainty and differing accounting standards and regulatory environments that may potentially impact the fund's ability to buy or sell certain securities or repatriate proceeds to U.S. dollars. Emerging markets securities exchanges are more likely to experience delays with the clearing and settling of trades, as well as the custody of holdings by local banks, agents, and depositories. Such securities are often subject to greater price volatility, less liquidity, and higher rates of inflation than U.S. securities. Investing in frontier markets is typically significantly riskier than investing in other countries, including emerging markets.

**Restricted Securities** The fund invests in securities that are subject to legal or contractual restrictions on resale. Prompt sale of such securities at an acceptable price may be difficult and may involve substantial delays and additional costs.

Securities Lending The fund may lend its securities to approved borrowers to earn additional income. Its securities lending activities are administered by a lending agent in accordance with a securities lending agreement. Security loans generally do not have stated maturity dates, and the fund may recall a security at any time. The fund receives collateral in the form of cash or U.S. government securities. Collateral is maintained over the life of the loan in an amount not less than the value of loaned securities; any additional collateral required due to changes in security values is delivered to the fund the next business day. Cash collateral is invested in accordance with investment guidelines approved by fund management. Additionally, the lending agent indemnifies the fund against losses resulting from borrower default. Although risk is mitigated by the collateral and indemnification, the fund could experience a delay in recovering its securities and a possible loss of income or value if the borrower fails to return the securities, collateral investments decline in value, and the lending agent fails to perform. Securities lending revenue consists of earnings on invested collateral and borrowing fees, net of any rebates to the borrower, compensation to the lending agent, and other administrative costs. In accordance with GAAP, investments made with cash collateral are reflected in the accompanying financial statements, but collateral received in the form of securities is not. At December 31, 2023, the value of loaned securities was \$4,592,000; the value of cash collateral and related investments was \$4,731,000.

**Other** Purchases and sales of portfolio securities other than in-kind transactions, if any, and short-term securities aggregated \$75,824,000 and \$85,156,000, respectively, for the year ended December 31, 2023.

#### **NOTE 5 - FEDERAL INCOME TAXES**

Generally, no provision for federal income taxes is required since the fund intends to continue to qualify as a regulated investment company under Subchapter M of the Internal Revenue Code and distribute to shareholders all of its taxable income and gains. Distributions determined in accordance with federal income tax regulations may differ in amount or character from net investment income and realized gains for financial reporting purposes.

The fund files U.S. federal, state, and local tax returns as required. The fund's tax returns are subject to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return but which can be extended to six years in certain circumstances. Tax returns for open years have incorporated no uncertain tax positions that require a provision for income taxes.

Capital accounts within the financial reporting records are adjusted for permanent book/tax differences to reflect tax character but are not adjusted for temporary differences. The permanent book/tax adjustments, if any, have no impact on results of operations or net assets. The permanent book/tax adjustments relate primarily to the character of income on passive foreign investment companies.

The tax character of distributions paid for the periods presented was as follows:

(\$000s)				
		ember 31, 2023	Dec	cember 31, 2022
Ordinary income (including short-term capital gains, if any)	\$	2,359	\$	3,492
Long-term capital gain		_	***************************************	3,748
Total distributions	\$	2,359	\$	7,240
At December 31, 2023, the tax-basis cost of investments (including derivatives, if any) and gross depreciation were as follows:	unrealiz	ed appreciat	ion an	d
(\$000s) Cost of investments			\$	186,102
Unrealized appreciation			\$	78,138
Unrealized depreciation				(12,438)
Net unrealized appreciation (depreciation)			\$	65,700
At December 31, 2023, the tax-basis components of accumulated net earnings (loss) were as follows:	ws:			
(\$000s)			Φ.	455
Undistributed ordinary income			\$	455
Net unrealized appreciation (depreciation)				65,700
Loss carryforwards and deferrals				(1,507)
Total distributable earnings (loss)			\$	64,648

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement purposes versus for tax purposes; these differences will reverse in a subsequent reporting period. The temporary differences relate primarily to the deferral of losses from wash sales and the realization of gains/losses on passive foreign investment companies. The loss carryforwards and deferrals primarily relate to capital loss carryforwards. Capital loss carryforwards are available indefinitely to offset future realized capital gains. During the year ended December 31, 2023, the fund utilized \$3,603,000 of capital loss carryforwards.

#### **NOTE 6 - FOREIGN TAXES**

The fund is subject to foreign income taxes imposed by certain countries in which it invests. Additionally, capital gains realized upon disposition of securities issued in or by certain foreign countries are subject to capital gains tax imposed by those countries. All taxes are computed in accordance with the applicable foreign tax law, and, to the extent permitted, capital losses are used to offset capital gains. Taxes attributable to income are accrued by the fund as a reduction of income. Current and deferred tax expense attributable to capital gains is reflected as a component of realized or change in unrealized gain/loss on securities in the accompanying financial statements. To the extent that the fund has country specific capital loss carryforwards, such carryforwards are applied against net unrealized gains when determining the deferred tax liability. Any deferred tax liability incurred by the fund is included in either Other liabilities or Deferred tax liability on the accompanying Statement of Assets and Liabilities.

#### **NOTE 7 - RELATED PARTY TRANSACTIONS**

The fund is managed by T. Rowe Price Associates, Inc. (Price Associates), a wholly owned subsidiary of T. Rowe Price Group, Inc. (Price Group). The investment management and administrative agreement between the fund and Price Associates provides for an all-inclusive annual fee equal to 1.05% of the fund's average daily net assets. The fee is computed daily and paid monthly. The all-inclusive fee covers investment management services and ordinary, recurring operating expenses but does not cover interest expense; expenses related to borrowing, taxes, and brokerage; or nonrecurring, extraordinary expenses. Effective July 1, 2018, Price Associates has contractually agreed, at least through April 30, 2024 to waive a portion of its management fee in order to limit the fund's management fee to 0.95% of the fund's average daily net assets. Thereafter, this agreement automatically renews for one-year terms unless terminated or modified by the fund's Board. Fees waived and expenses paid under this agreement are not subject to reimbursement to Price Associates by the fund. The total management fees waived were \$237,000 for the year ended December 31, 2023.

In addition, the fund has entered into service agreements with Price Associates and a wholly owned subsidiary of Price Associates, each an affiliate of the fund. Price Associates provides certain accounting and administrative services to the funds. T. Rowe Price Services, Inc. provides shareholder and administrative services in its capacity as the fund's transfer and dividend-disbursing agent. Pursuant to the all-inclusive fee arrangement under the investment management and administrative agreement, expenses incurred by the funds pursuant to these service agreements are paid by Price Associates.

T. Rowe Price Investment Services, Inc. (Investment Services) serves as distributor to the fund. Pursuant to an underwriting agreement, no compensation for any distribution services provided is paid to Investment Services by the fund (except for 12b-1 fees under a Boardapproved Rule 12b-1 plan).

The fund may invest its cash reserves in certain open-end management investment companies managed by Price Associates and considered affiliates of the fund: the T. Rowe Price Government Reserve Fund or the T. Rowe Price Treasury Reserve Fund, organized as money market funds (together, the Price Reserve Funds). The Price Reserve Funds are offered as short-term investment options to mutual funds, trusts, and other accounts managed by Price Associates or its affiliates and are not available for direct purchase by members of the public. Cash collateral from securities lending, if any, is invested in the T. Rowe Price Government Reserve Fund. The Price Reserve Funds pay no investment management fees.

The fund may participate in securities purchase and sale transactions with other funds or accounts advised by Price Associates (cross trades), in accordance with procedures adopted by the fund's Board and Securities and Exchange Commission rules, which require, among other things, that such purchase and sale cross trades be effected at the independent current market price of the security. During the year ended December 31, 2023, the fund had no purchases or sales cross trades with other funds or accounts advised by Price Associates.

Price Associates has voluntarily agreed to reimburse the fund from its own resources on a monthly basis for the cost of investment research embedded in the cost of the fund's securities trades. This agreement may be rescinded at any time. For the year ended December 31, 2023, this reimbursement amounted to \$4,000, which is included in Net realized gain (loss) on Securities in the Statement of Operations.

#### **NOTE 8 - OTHER MATTERS**

Unpredictable events such as environmental or natural disasters, war and conflict, terrorism, geopolitical events, and public health epidemics and similar public health threats may significantly affect the economy and the markets and issuers in which the fund invests. Certain events may cause instability across global markets, including reduced liquidity and disruptions in trading markets, while some events may affect certain geographic regions, countries, sectors, and industries more significantly than others, and exacerbate other pre-existing political, social, and economic risks.

The global outbreak of COVID-19 and the related governmental and public responses have led and may continue to lead to increased market volatility and the potential for illiquidity in certain classes of securities and sectors of the market either in specific countries or worldwide.

In February 2022, Russian forces entered Ukraine and commenced an armed conflict, leading to economic sanctions imposed on Russia that target certain of its citizens and issuers and sectors of the Russian economy, creating impacts on Russian-related stocks and debt and greater volatility in global markets.

In March 2023, the banking industry experienced heightened volatility, which sparked concerns of potential broader adverse market conditions. The extent of impact of these events on the US and global markets is highly uncertain.

These are recent examples of global events which may have a negative impact on the values of certain portfolio holdings or the fund's overall performance. Management is actively monitoring the risks and financial impacts arising from these events.

#### **NOTE 9 - SUBSEQUENT EVENT**

At a meeting held on October 23, 2023, the Board approved an amendment to the fund's investment management agreement to change the fund's all-inclusive fee structure to one where the management fee covers only investment management and other specified services, but operating expenses (including payments for administrative services) are borne by the fund, effective May 1, 2024.

In addition, effective May 1, 2024, the Board approved implementing an indefinite contractual total expense limitation at the level of the fund's current all-inclusive fee rate (including any management fee waivers), excluding interest, taxes, brokerage and other transaction costs, and nonrecurring and extraordinary expenses (expenses currently excluded from the fund's all-inclusive fee rate).

#### Report of Independent Registered Public Accounting Firm

To the Board of Directors of T. Rowe Price International Series, Inc. and Shareholders of T. Rowe Price International Stock Portfolio

#### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the portfolio of investments, of T. Rowe Price International Stock Portfolio (constituting T. Rowe Price International Series, Inc., referred to hereafter as the "Fund") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Fund as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

#### **Basis for Opinion**

These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on the Fund's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Fund in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/ PricewaterhouseCoopers LLP

Baltimore, Maryland February 12, 2024

We have served as the auditor of one or more investment companies in the T. Rowe Price group of investment companies since 1973.

# TAX INFORMATION (UNAUDITED) FOR THE TAX YEAR ENDED 12/31/23

We are providing this information as required by the Internal Revenue Code. The amounts shown may differ from those elsewhere in this report because of differences between tax and financial reporting requirements.

For taxable non-corporate shareholders, \$3,524,000 of the fund's income represents qualified dividend income subject to a long-term capital gains tax rate of not greater than 20%.

For corporate shareholders, \$26,000 of the fund's income qualifies for the dividends-received deduction.

The fund will pass through foreign source income of \$2,286,000 and foreign taxes paid of \$326,000.

#### INFORMATION ON PROXY VOTING POLICIES, PROCEDURES, AND RECORDS

A description of the policies and procedures used by T. Rowe Price funds to determine how to vote proxies relating to portfolio securities is available in each fund's Statement of Additional Information. You may request this document by calling 1-800-225-5132 or by accessing the SEC's website, sec.gov.

The description of our proxy voting policies and procedures is also available on our corporate website. To access it, please visit the following Web page:

https://www.troweprice.com/corporate/us/en/utility/policies.html

Scroll down to the section near the bottom of the page that says, "Proxy Voting Guidelines." Click on the links in the shaded box.

Each fund's most recent annual proxy voting record is available on our website and through the SEC's website. To access it through T. Rowe Price, visit the website location shown above, and scroll down to the section near the bottom of the page that says, "Proxy Voting Records." Click on the Proxy Voting Records link in the shaded box.

#### **HOW TO OBTAIN QUARTERLY PORTFOLIO HOLDINGS**

The fund files a complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's reports on Form N-PORT are available electronically on the SEC's website (sec.gov). In addition, most T. Rowe Price funds disclose their first and third fiscal quarter-end holdings on **troweprice.com**.

#### TAILORED SHAREHOLDER REPORTS FOR MUTUAL FUNDS AND EXCHANGE TRADED FUNDS

In October 2022, the Securities and Exchange Commission (SEC) adopted rule and form amendments requiring Mutual Funds and Exchange-Traded Funds to transmit concise and visually engaging streamlined annual and semiannual reports that highlight key information to shareholders. Other information, including financial statements, will no longer appear in the funds' shareholder reports but will be available online, delivered free of charge upon request, and filed on a semiannual basis on Form N-CSR. The rule and form amendments have a compliance date of July 24, 2024.

#### LIQUIDITY RISK MANAGEMENT PROGRAM

In accordance with Rule 22e-4 (Liquidity Rule) under the Investment Company Act of 1940, as amended, the fund has established a liquidity risk management program (Liquidity Program) reasonably designed to assess and manage the fund's liquidity risk, which generally represents the risk that the fund would not be able to meet redemption requests without significant dilution of remaining investors' interests in the fund. The fund's Board of Directors (Board) has appointed the fund's investment adviser, T. Rowe Price Associates, Inc. (Adviser), as the administrator of the Liquidity Program. As administrator, the Adviser is responsible for overseeing the day-to-day operations of the Liquidity Program and, among other things, is responsible for assessing, managing, and reviewing with the Board at least annually the liquidity risk of each T. Rowe Price fund. The Adviser has delegated oversight of the Liquidity Program to a Liquidity Risk Committee (LRC), which is a crossfunctional committee composed of personnel from multiple departments within the Adviser.

The Liquidity Program's principal objectives include supporting the T. Rowe Price funds' compliance with limits on investments in illiquid assets and mitigating the risk that the fund will be unable to timely meet its redemption obligations. The Liquidity Program also includes a number of elements that support the management and assessment of liquidity risk, including an annual assessment of factors that influence the fund's liquidity and the periodic classification and reclassification of a fund's investments into categories that reflect the LRC's assessment of their relative liquidity under current market conditions. Under the Liquidity Program, every investment held by the fund is classified at least monthly into one of four liquidity categories based on estimations of the investment's ability to be sold during designated time frames in current market conditions without significantly changing the investment's market value.

As required by the Liquidity Rule, at a meeting held on July 24, 2023, the Board was presented with an annual assessment that was prepared by the LRC on behalf of the Adviser and addressed the operation of the Liquidity Program and assessed its adequacy and effectiveness of implementation, including any material changes to the Liquidity Program and the determination of each fund's Highly Liquid Investment Minimum (HLIM). The annual assessment included consideration of the following factors, as applicable: the fund's investment strategy and liquidity of portfolio investments during normal and reasonably foreseeable stressed conditions, including whether the investment strategy is appropriate for an open-end fund, the extent to which the strategy involves a relatively concentrated portfolio or large positions in particular issuers, and the use of borrowings for investment purposes and derivatives; short-term and long-term cash flow projections covering both normal and reasonably foreseeable stressed conditions; and holdings of cash and cash equivalents, as well as available borrowing arrangements.

For the fund and other T. Rowe Price funds, the annual assessment incorporated a report related to a fund's holdings, shareholder and portfolio concentration, any borrowings during the period, cash flow projections, and other relevant data for the period of April 1, 2022, through March 31, 2023. The report described the methodology for classifying a fund's investments (including any derivative transactions) into one of four liquidity categories, as well as the percentage of a fund's investments assigned to each category. It also explained the methodology for establishing a fund's HLIM and noted that the LRC reviews the HLIM assigned to each fund no less frequently than annually.

During the period covered by the annual assessment, the LRC has concluded, and reported to the Board, that the Liquidity Program continues to operate adequately and effectively and is reasonably designed to assess and manage the fund's liquidity risk.

#### **ABOUT THE FUND'S DIRECTORS AND OFFICERS**

Your fund is overseen by a Board of Directors (Board) that meets regularly to review a wide variety of matters affecting or potentially affecting the fund, including performance, investment programs, compliance matters, advisory fees and expenses, service providers, and business and regulatory affairs. The Board elects the fund's officers, who are listed in the final table. The directors who are also employees or officers of T. Rowe Price are considered to be "interested" directors as defined in Section 2(a)(19) of the 1940 Act because of their relationships with T. Rowe Price Associates, Inc. (T. Rowe Price), and its affiliates. The business address of each director and officer is 100 East Pratt Street, Baltimore, Maryland 21202. The Statement of Additional Information includes additional information about the fund directors and is available without charge by calling a T. Rowe Price representative at 1-800-638-5660.

#### INDEPENDENT DIRECTORS(a)

Name (Year of Birth) Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
Teresa Bryce Bazemore (1959) 2018 [209]	President and Chief Executive Officer, Federal Home Loan Bank of San Francisco (2021 to present); Chief Executive Officer, Bazemore Consulting LLC (2018 to 2021); Director, Chimera Investment Corporation (2017 to 2021); Director, First Industrial Realty Trust (2020 to present); Director, Federal Home Loan Bank of Pittsburgh (2017 to 2019)
Melody Bianchetto (1966) 2023 [209]	Vice President for Finance, University of Virginia (2015 to 2023)
Bruce W. Duncan (1951) 2013 [209]	President, Chief Executive Officer, and Director, CyrusOne, Inc. (2020 to 2021); Chair of the Board (2016 to 2020) and President (2009 to 2016), First Industrial Realty Trust, owner and operator of industrial properties; Member, Investment Company Institute Board of Governors (2017 to 2019); Member, Independent Directors Council Governing Board (2017 to 2019); Senior Advisor, KKR (2018 to 2022); Director, Boston Properties (2016 to present); Director, Marriott International, Inc. (2016 to 2020)
Robert J. Gerrard, Jr. (1952) 2012 [209]	Chair of the Board, all funds (July 2018 to present)
Paul F. McBride (1956) 2013 [209]	Advisory Board Member, Vizzia Technologies (2015 to present); Board Member, Dunbar Armored (2012 to 2018)
Mark J. Parrell (1966) 2023 [209]	Board of Trustees Member and Chief Executive Officer (2019 to present), President (2018 to present), Executive Vice President and Chief Financial Officer (2007 to 2018), and Senior Vice President and Treasurer (2005 to 2007), EQR; Member, Nareit Dividends Through Diversity, Equity & Inclusion CEO Council and Chair, Nareit 2021 Audit and Investment Committee (2021); Advisory Board, Ross Business School at University of Michigan (2015 to 2016); Member, National Multifamily Housing Council and served as Chair of the Finance Committee (2015 to 2016); Member, Economic Club of Chicago; Director, Brookdale Senior Living, Inc. (2015 to 2017); Director, Aviv REIT, Inc. (2013 to 2015); Director, Real Estate Roundtable and the 2022 Executive Board Nareit; Board of Directors and Chair of the Finance Committee, Greater Chicago Food Depository
Kellye L. Walker (1966) 2021 [209]	Executive Vice President and Chief Legal Officer, Eastman Chemical Company (April 2020 to present); Executive Vice President and Chief Legal Officer, Huntington Ingalls Industries, Inc. (January 2015 to March 2020); Director, Lincoln Electric Company (October 2020 to present)

<sup>(</sup>a) All information about the independent directors was current as of December 31, 2022, unless otherwise indicated, except for the number of portfolios overseen, which is current as of the date of this report.

## INTERESTED DIRECTORS(a)

Name (Year of Birth) Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
David Oestreicher (1967) 2018 [209]	Director, Vice President, and Secretary, T. Rowe Price, T. Rowe Price Investment Services, Inc., T. Rowe Price Retirement Plan Services, Inc., and T. Rowe Price Services, Inc.; Director and Secretary, T. Rowe Price Investment Management, Inc. (Price Investment Management); Vice President and Secretary, T. Rowe Price International (Price International); Vice President, T. Rowe Price Hong Kong (Price Hong Kong), T. Rowe Price Japan (Price Japan), and T. Rowe Price Singapore (Price Singapore); General Counsel, Vice President, and Secretary, T. Rowe Price Group, Inc.; Chair of the Board, Chief Executive Officer, President, and Secretary, T. Rowe Price Trust Company; Principal Executive Officer and Executive Vice President, all funds
Eric L. Veiel, CFA (1972) 2022 [209]	Director and Vice President, T. Rowe Price; Vice President, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company; Vice President, Global Funds

<sup>(</sup>a) All information about the interested directors was current as of December 31, 2022, unless otherwise indicated, except for the number of portfolios overseen, which is current as of the date of this report.

## **OFFICERS**

Name (Year of Birth) Position Held With International Series	Principal Occupation(s)
Malik Sarmad Asif (1981) Vice President	Vice President, T. Rowe Price Group, Inc., and Price International
Harishankar Balkrishna (1983) Vice President	Vice President, T. Rowe Price Group, Inc., and Price International
Sheena L. Barbosa (1983) Vice President	Vice President, Price Hong Kong and T. Rowe Price Group, Inc.
Armando (Dino) Capasso (1974) Chief Compliance Officer and Vice President	Chief Compliance Officer and Vice President, T. Rowe Price and Price Investment Management; Vice President, T. Rowe Price Group, Inc.; formerly, Chief Compliance Officer, PGIM Investments LLC and AST Investment Services, Inc. (ASTIS) (to 2022); Chief Compliance Officer, PGIM Retail Funds complex and Prudential Insurance Funds (to 2022); Vice President and Deputy Chief Compliance Officer, PGIM Investments LLC and ASTIS (to 2019)
Richard N. Clattenburg, CFA (1979) Executive Vice President	Vice President, Price Singapore, T. Rowe Price, T. Rowe Price Group, Inc., Price International, and T. Rowe Price Trust Company
Jean-Marc Corredor (1976) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, Price Investment Management, T. Rowe Price Services, Inc., and T. Rowe Price Trust Company
Alan S. Dupski, CPA (1982) Principal Financial Officer, Vice President, and Treasurer	Vice President, Price Investment Management, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Cheryl Emory (1963) Assistant Secretary	Assistant Vice President and Assistant Secretary, T. Rowe Price; Assistant Secretary, T. Rowe Price Group, Inc., Price Investment Management, Price International, Price Hong Kong, Price Singapore, T. Rowe Price Investment Services, Inc., T. Rowe Price Retirement Plan Services, Inc., and T. Rowe Price Trust Company
Cheryl Hampton, CPA (1969) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company; formerly, Tax Director, Invesco Ltd. (to 2021); Vice President, Oppenheimer Funds, Inc. (to 2019)
Jai Kapadia (1982) Vice President	Vice President, Price Hong Kong and T. Rowe Price Group, Inc.
Benjamin Kersse, CPA (1989) Vice President	Vice President, T. Rowe Price and T. Rowe Price Trust Company
Paul J. Krug, CPA (1964) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company

Unless otherwise noted, officers have been employees of T. Rowe Price or Price International for at least 5 years.

# **OFFICERS (CONTINUED)**

Name (Year of Birth) Position Held With International Series	Principal Occupation(s)
Robert P. McDavid (1972) Vice President	Vice President, T. Rowe Price, Price Investment Management, T. Rowe Price Investment Services, Inc., and T. Rowe Price Trust Company
Tobias F. Mueller, CFA (1980) Vice President	Vice President, T. Rowe Price Group, Inc., and Price International
Oluwaseun Oyegunle, CFA (1984) Vice President	Vice President, T. Rowe Price Group, Inc., and Price International
Fran M. Pollack-Matz (1961) Vice President and Secretary	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., T. Rowe Price Investment Services, Inc., T. Rowe Price Services, Inc., and T. Rowe Price Trust Company
John Rowles (1990) Vice President	Vice President, T. Rowe Price Group, Inc., and Price International
Sebastian Schrott (1977) Vice President	Vice President, T. Rowe Price Group, Inc., and Price International
Richard Sennett, CPA (1970) Assistant Treasurer	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Justin Thomson (1968) President	Director, Price Hong Kong; Vice President, T. Rowe Price Group, Inc.; Director and Vice President, Price International
Ernest C. Yeung, CFA (1979) Vice President	Director and Vice President, Price Hong Kong; Vice President, T. Rowe Price Group, Inc.
Ellen York (1988) Vice President	Vice President, Price Investment Management and T. Rowe Price

Unless otherwise noted, officers have been employees of T. Rowe Price or Price International for at least 5 years.













# T.RowePrice

100 East Pratt Street Baltimore, MD 21202

Call 1-800-225-5132 to request a prospectus or summary prospectus; each includes investment objectives, risks, fees, expenses, and other information that you should read and consider carefully before investing.



## **ANNUAL REPORT**

December 31, 2023

T. ROWE PRICE

# Limited-Term Bond Portfolio

For more insights from T. Rowe Price investment professionals, go to **troweprice.com**.

#### **HIGHLIGHTS**

- The Limited-Term Bond Portfolio outperformed its benchmark and lagged its Lipper peer group average over the 12-month period ended December 31, 2023.
- Yields on investment-grade corporate bonds and securitized credits followed Treasury yields lower late in the period, bringing total returns across spread sectors into positive territory.
- Our allocation to corporate bonds ended the period modestly higher after credit spreads widened from the intra-period tight levels seen
  in the summer, opening opportunities to add to high-conviction names at what we viewed as attractive valuations.
- While rate and spread volatility could oscillate and persist as additional economic data adjust the forecast and timing for cuts, we agree that cuts are the most logical next step should macroeconomic data continue to cool.

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#### To Enroll:

If you invest directly with T. Rowe Price, go to troweprice.com/paperless.

If you invest through a financial intermediary such as an investment advisor, a bank, or a brokerage firm, please contact that organization and ask if it can provide electronic documentation.

Log in to your account at **troweprice.com** for more information.

\*An account service fee will be charged annually for each T. Rowe Price mutual fund account unless you meet criteria for a fee waiver. Go to troweprice. com/personal-investing/help/fees-and-minimums.html to learn more about this account service fee, including other ways to waive it.

Market Commentary

# **Dear Investor**

Global stock and bond indexes were broadly positive during 2023 as most economies managed to avoid the recession that was widely predicted at the start of the year. Technology companies benefited from investor enthusiasm for artificial intelligence developments and led the equity rally, while fixed income benchmarks rebounded late in the year amid falling interest rates.

For the 12-month period, the technology-oriented Nasdaq Composite Index rose about 43%, reaching a record high and producing the strongest result of the major benchmarks. Growth stocks outperformed value shares, and developed market stocks generally outpaced their emerging markets counterparts. Currency movements were mixed over the period, although a weaker dollar versus major European currencies was beneficial for U.S. investors in European securities.

Within the S&P 500 Index, which finished the year just short of the record level it reached in early 2022, the information technology, communication services, and consumer discretionary sectors were all lifted by the tech rally and recorded significant gains. A small group of tech-oriented mega-cap companies helped drive much of the market's advance. Conversely, the defensive utilities sector had the weakest returns in the growth-focused environment, and the energy sector also lost ground amid declining oil prices. The financials sector bounced back from the failure of three large regional banks in the spring and was one of the topperforming segments in the second half of the year.

The U.S. economy was the strongest among the major markets during the period, with gross domestic product growth coming in at 4.9% in the third quarter, the highest since the end of 2021. Corporate fundamentals were also broadly supportive. Year-over-year earnings growth contracted in the first and second quarters of 2023, but results were better than expected, and earnings growth turned positive again in the third quarter. Markets remained resilient despite a debt ceiling standoff in the U.S., the outbreak of war in the Middle East, the continuing conflict between Russia and Ukraine, and a sluggish economic recovery in China.

Inflation remained a concern, but investors were encouraged by the slowing pace of price increases as well as the possibility that the Federal Reserve was nearing the end of its rate-hiking cycle. The Fed held rates steady after raising its short-term lending benchmark rate to a target range of 5.25% to 5.50% in July, the highest level since March 2001, and at its final meeting of the year in December, the central bank indicated that there could be three 25-basis-point rate cuts in 2024.

The yield of the benchmark 10-year U.S. Treasury note briefly reached 5.00% in October for the first time since late 2007 before falling back to 3.88% by period-end, the same level where it started the year, amid cooler-than-expected inflation readings and less-hawkish Fed rhetoric. Fixed income benchmarks were lifted late in the year by falling yields. Investment-grade and high yield corporate bonds produced solid returns, supported by the higher coupons that have become available over the past year, as well as increasing hopes that the economy might be able to avoid a recession.

Global economies and markets showed surprising resilience in 2023, but considerable uncertainty remains as we look ahead. Geopolitical events, the path of monetary policy, and the impact of the Fed's rate hikes on the economy all raise the potential for additional volatility. We believe this environment makes skilled active management a critical tool for identifying risks and opportunities, and our investment teams will continue to use fundamental research to help identify securities that can add value to your portfolio over the long term.

Thank you for your continued confidence in T. Rowe Price.

Sincerely,

Robert Sharps
CEO and President

Solut Sh. Shenfa

Management's Discussion of Fund Performance

### **INVESTMENT OBJECTIVE**

The fund seeks a high level of income consistent with moderate fluctuations in principal value.

### **FUND COMMENTARY**

### How did the fund perform in the past 12 months?

The Limited-Term Bond Portfolio returned 4.94% in the 12-month period ended December 31, 2023, outperforming its benchmark, the Bloomberg 1–3 Year U.S. Government/Credit Bond Index, and underperforming its Lipper peer group average. (Returns for the II Class will vary, reflecting its different fee structure. *Past performance cannot guarantee future results.*)

PERFORMANCE COMPARISON					
	Total Return				
Periods Ended 12/31/23	6 Months	12 Months			
Limited-Term Bond Portfolio	3.59%	4.94%			
Limited-Term Bond Portfolio-II	3.47	4.69			
Bloomberg 1–3 Year U.S. Government/Credit Bond Index	3.44	4.61			
Lipper Variable Annuity Underlying Short Investment Grade Debt Funds					
Average	3.67	5.20			

### What factors influenced the fund's performance?

Shifts in market expectations for monetary policy contributed to notable volatility in Treasury yields over the reporting period. The two-year Treasury note yield began the period at 4.41% and reached 5.19% by October before ending the period at 4.23% as the Fed signaled the end of its most aggressive rate hike campaign since the 1980s.

Treasury yields fell sharply in the final two months of 2023 and ended the period lower across most key rates. During the rally, Treasury bill yields decreased even though the Federal Open Market Committee (FOMC) elected to keep the fed funds target rate unchanged at its November and December meetings. Intermediate- and long-term U.S. Treasury yields fell more significantly as inflation continued to show signs of waning.

Yields on investment-grade corporate bonds and securitized credits followed Treasury yields lower late in the period, bringing total returns across spread sectors into positive territory. Risk sentiment improved during the rally, and corporate bonds and securitized sectors outpaced Treasuries on a total return basis for the year. Among spread sectors, corporate bonds were notable outperformers in terms of total and excess return, as yields fell and credit spreads tightened. Securitized sectors—asset-backed securities (ABS),

commercial mortgage-backed securities (CMBS), and residential mortgage-backed securities (RMBS)—also generated positive total and excess returns. (Credit spreads are a measure of the additional yield offered by bonds that have credit risk compared with U.S. Treasuries with similar maturities.)

Sector allocation aided relative performance. An out-of-benchmark allocation to RMBS contributed, as the interest rate-sensitive sector benefited from the rally in Treasury yields seen late in the year. An out-of-benchmark allocation to ABS was also constructive, as the shorter-duration sector performed well during periods of rising Treasury yields.

An overweight to investment-grade corporate bonds and a corresponding underweight to U.S. Treasuries helped relative performance amid periods of limited new supply, some encouraging corporate earnings reports, and improved risk sentiment late in the period. Security selection within investment-grade corporate bonds was also beneficial.

Interest rate management detracted in aggregate, dragged lower by average duration positioning. While the portfolio's duration ended the period slightly lower than where it began, duration ticked upward through the first half of the period. As a result of this upward trend, the portfolio's profile was slightly long relative to the benchmark, which hindered relative performance as Treasury yields rose during much of the trailing one-year period. However, specific positioning across the curve aided relative performance as our preference to hold longer maturities was beneficial in a period that realized greater volatility in front-end rates.

In addition, while we are primarily a cash bond manager, we occasionally employ the limited use of derivatives in our strategy for hedging purposes. Derivatives may include futures and options, as well as credit default and interest rate swaps. During the reporting period, our use of Treasury futures detracted from absolute performance.

#### How is the fund positioned?

Relative to the benchmark, we continued to underweight U.S. Treasuries, while aiming to add high-quality yield by overweighting spread sectors and selectively taking out-of-benchmark positions in higher-yielding securitized debt. For a short-term bond portfolio, our research shows yield plays a greater role than price appreciation in generating excess returns. By utilizing an expanded toolkit that includes corporate bonds and securitized issues, we believe the portfolio can provide diversified sources of yield and income over a market cycle.

Investment-grade corporate debt continued to represent our largest absolute and relative position. BBB rated bonds remained a significant allocation and continued to be concentrated in shorter maturities. Our research analysts believe these bonds are often mispriced and represent attractive relative value. Our allocation to corporate bonds ended the period modestly higher after credit spreads widened from the intra-period tight levels seen in the summer, opening opportunities to add to high-conviction names at what we viewed as attractive valuations.

Our allocation to Treasuries declined slightly as we added corporate bonds. However, liquidity remained elevated relative to history, and we are positioned to be liquidity providers should future bouts of spread volatility create opportunities.

We continued to hold out-of-benchmark positions in ABS, CMBS, and RMBS to provide diversified sources of what we believe to be high-quality yield. However, our allocations to RMBS and CMBS declined, and the portfolio's risk level, as measured by option-adjusted spread duration, decreased modestly as a result. During the year, we sold a portion of our RMBS allocation after a period of strength. We also allowed our CMBS allocation to come down organically as securities matured, partly in response to mounting commercial real estate pressures. Conversely, our allocation to the ABS sector ended the period slightly higher. As corporate credit spreads reached intra-period tight levels over the summer, we focused additions in ABS.

### **CREDIT QUALITY DIVERSIFICATION**

	Percent of	f Net Assets
	6/30/23	12/31/23
Quality Rating		
U.S. Government Agency Securities*	5%	6%
U.S. Treasury**	21	19
AAA	12	13
AA	11	11
Α	24	23
BBB	26	27
BB and Below	0	0
Reserves	1	1
Total	100%	100%

Sources: Credit ratings for the securities held in the fund are provided by Moody's, Standard & Poor's, and Fitch and are converted to the Standard & Poor's nomenclature. A rating of AAA represents the highest-rated securities, and a rating of D represents the lowest-rated securities. If the rating agencies differ, the highest rating is applied to the security. If a rating is not available, the security is classified as Not Rated. T. Rowe Price uses the rating of the underlying investment vehicle to determine the creditworthiness of credit default swaps. The fund is not rated by any agency. Securities that have not been rated by any rating agency totaled 0.23% of the portfolio at the end of the reporting period.

- \* U.S. government agency securities include GNMA securities and conventional pass-throughs, collateralized mortgage obligations, and project loans. U.S. government agency securities, unlike Treasuries, are not issued directly by the U.S. government and are generally unrated but have credit support from the U.S. Treasury (in the case of Freddie Mac and Fannie Mae issues) or a direct government guarantee (in the case of Ginnie Mae issues).
- \*\* U.S. Treasury securities are issued by the U.S. Treasury and are backed by the full faith and credit of the U.S. government. The ratings of U.S. Treasury securities are derived from the ratings on the U.S. government.

### What is portfolio management's outlook?

As the FOMC's preferred measure of inflation continued to decelerate with U.S. growth simultaneously remaining resilient, market sentiment began to price in a Goldilocks scenario with a possibility that the Fed could be able to orchestrate a soft landing. With this backdrop in mind, front-end rates have likely seen a peak for this cycle, but we are well positioned to capitalize on elevated yield opportunities with rate inversion still persistent across the curve, in our view.

While rate and spread volatility could oscillate and persist as additional economic data adjust the forecast and timing for cuts, we agree that cuts are the most logical next step should macroeconomic data continue to cool. However, we acknowledge that the path to sustainable lower inflation could get bumpier if the trend of economic data deviates from current market expectations.

In the current environment, active management can play an even more instrumental role in achieving investor objectives. Our continued goal is to provide high-quality, consistent yield and income appropriate for a short-term bond strategy with modest credit and duration risk. Using the breadth and depth of our global research platform, we will look to selectively add to high-conviction positions as volatility creates attractive entry points.

The views expressed reflect the opinions of T. Rowe Price as of the date of this report and are subject to change based on changes in market, economic, or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

### **RISKS OF INVESTING IN FIXED INCOME SECURITIES**

The value of the fund's investments may decrease, sometimes rapidly or unexpectedly, due to factors affecting an issuer held by the fund, particular industries, or the overall securities markets. The prices of, and the income generated by, debt instruments held by the fund may be affected by changes in interest rates. The fund is subject to prepayment risks because the principal on mortgage-backed securities, asset-backed securities, or any debt instrument with an embedded call option may be prepaid at any time, which could reduce the security's yield and market value. An issuer of a debt instrument could suffer an adverse change in financial condition that results in a payment default (failure to make scheduled interest or principal payments), rating downgrade, or inability to meet a financial obligation.

#### **BENCHMARK INFORMATION**

Note: Bloomberg® and Bloomberg 1–3 Year U.S. Government/ Credit Bond Index are service marks of Bloomberg Finance L.P. and its affiliates, including Bloomberg Index Services Limited ("BISL"), the administrator of the index (collectively, "Bloomberg") and have been licensed for use for certain purposes by T. Rowe Price. Bloomberg is not affiliated with T. Rowe Price, and Bloomberg does not approve, endorse, review, or recommend its products. Bloomberg does not guarantee the timeliness, accurateness, or completeness of any data or information relating to its products.

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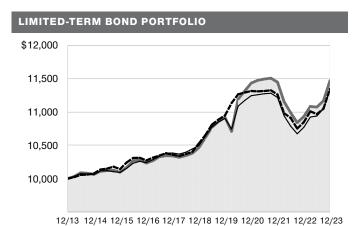
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### **GROWTH OF \$10,000**

This chart shows the value of a hypothetical \$10,000 investment in the portfolio over the past 10 fiscal year periods or since inception (for portfolios lacking 10-year records). The result is compared with benchmarks, which include a broad-based market index and may also include a peer group average or index. Market indexes do not include expenses, which are deducted from portfolio returns as well as mutual fund averages and indexes.



		As of 12/31/23
_	Limited-Term Bond Portfolio	\$11,470
	Bloomberg 1-3 Year U.S. Government/Credit Bond Index	11,346
_	Lipper Variable Annuity Underlying Short Investment Grade Debt Funds Average	11,338

Note: Performance for the II Class shares will vary due to their differing fee structure. See the Average Annual Compound Total Return table.

### **AVERAGE ANNUAL COMPOUND TOTAL RETURN**

Periods Ended 12/31/23	1 Year	5 Years	10 Years
Limited-Term Bond Portfolio	4.94%	1.86%	1.38%
Limited-Term Bond Portfolio-II	4.69	1.60	1.13

The fund's performance information represents only past performance and is not necessarily an indication of future results. Current performance may be lower or higher than the performance data cited. Share price, principal value, and return will vary, and you may have a gain or loss when you sell your shares. For the most recent month-end performance, please contact a T. Rowe Price representative at 1-800-469-6587 (financial advisors, or customers who have an advisor, should call 1-800-638-8790). Total returns do not include charges imposed by your insurance company's separate account. If these had been included, performance would have been lower.

This table shows how the portfolio would have performed each year if its actual (or cumulative) returns for the periods shown had been earned at a constant rate. Average annual total return figures include changes in principal value, reinvested dividends, and capital gain distributions. When assessing performance, investors should consider both short- and long-term returns.

#### **FUND EXPENSE EXAMPLE**

As a mutual fund shareholder, you may incur two types of costs: (1) transaction costs, such as redemption fees or sales loads, and (2) ongoing costs, including management fees, distribution and service (12b-1) fees, and other fund expenses. The following example is intended to help you understand your ongoing costs (in dollars) of investing in the fund and to compare these costs with the ongoing costs of investing in other mutual funds. The example is based on an investment of \$1,000 invested at the beginning of the most recent six-month period and held for the entire period.

Shares of the fund are currently offered only through certain insurance companies as an investment medium for both variable annuity contracts and variable life insurance policies. Please note that the fund has two classes of shares: the original share class and the II Class. The II Class shares are sold through financial intermediaries, which are compensated for distribution, shareholder servicing, and/or certain administrative services under a Board-approved Rule 12b-1 plan.

#### **Actual Expenses**

The first line of the following table (Actual) provides information about actual account values and actual expenses. You may use the information on this line, together with your account balance, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number on the first line under the heading "Expenses Paid During Period" to estimate the expenses you paid on your account during this period.

### **Hypothetical Example for Comparison Purposes**

The information on the second line of the table (Hypothetical) is based on hypothetical account values and expenses derived from the fund's actual expense ratio and an assumed 5% per year rate of return before expenses (not the fund's actual return). You may compare the ongoing costs of investing in the fund with other funds by contrasting this 5% hypothetical example and the 5% hypothetical examples that appear in the shareholder reports of the other funds. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period.

You should also be aware that the expenses shown in the table highlight only your ongoing costs and do not reflect any transaction costs, such as redemption fees or sales loads. Therefore, the second line of the table is useful in comparing ongoing costs only and will not help you determine the relative total costs of owning different funds. To the extent a fund charges transaction costs, however, the total cost of owning that fund is higher.

## **FUND EXPENSE EXAMPLE (CONTINUED)**

LIMITED-TERM BOND PORTFOLIO								
	Beginning Account Value 7/1/23	Ending Account Value 12/31/23	Expenses Paid During Period* 7/1/23 to 12/31/23					
Limited-Term Bond Portf	olio							
Actual	\$1,000.00	\$1,035.90	\$2.57					
Hypothetical (assumes 5% return before expenses)	1,000.00	1,022.68	2.55					
Limited-Term Bond Portf	olio-II							
Actual	1,000.00	1,034.70	3.85					
Hypothetical (assumes 5% return before expenses)	1,000.00	1,021.42	3.82					

<sup>\*</sup> Expenses are equal to the fund's annualized expense ratio for the 6-month period, multiplied by the average account value over the period, multiplied by the number of days in the most recent fiscal half year (184), and divided by the days in the year (365) to reflect the half-year period. The annualized expense ratio of the Limited-Term Bond Portfolio was 0.50% and the Limited-Term Bond Portfolio-II was 0.75%.

# FINANCIAL HIGHLIGHTS

For a share outstanding throughout each period

Limited-Term Bond Portfolio Class										
		Year								
		Ended								
		12/31/23		12/31/22		12/31/21		12/31/20		12/31/19
NET ASSET VALUE	_		_		_		_		_	
Beginning of period	\$	4.59	\$	4.91	\$	5.00	\$	4.87	\$	4.78
Investment activities										
Net investment income <sup>(1)(2)</sup>		0.15		0.09		0.07		0.10		0.11
Net realized and unrealized gain/loss		0.07		(0.31)		(0.06)		0.13		0.10
Total from investment activities		0.22		(0.22)		0.01		0.23		0.21
Distributions										
Net investment income		(0.15)		(0.09)		(0.07)		(0.10)		(0.12)
Net realized gain		<del>.</del>		(0.01)		(0.03)		<del>-</del>		<del>-</del>
Total distributions		(0.15)		(0.10)		(0.10)		(0.10)		(0.12)
NET ASSET VALUE										
End of period	\$	4.66	\$	4.59	\$	4.91	\$	5.00	\$	4.87
Ratios/Supplemental Data										
Total return <sup>(2)(3)</sup>		4.94%		(4.52)%		0.13%		4.71%		4.35%
Ratios to average net assets:(2)										
Gross expenses before waivers/payments by Price										
Associates		0.70%		0.70%		0.70%		0.70%		0.70%
Net expenses after waivers/payments by Price										
Associates		0.50%		0.50%		0.50%		0.50%		0.50%
Net investment income		3.32%		1.93%		1.31%		2.04%		2.37%
Portfolio turnover rate		72.5%		86.3%		64.3%		70.4%		61.1%
Net assets, end of period (in thousands)	\$	168,464	\$	161,043	\$	171,166	\$	139,173	\$	455,521

<sup>(1)</sup> Per share amounts calculated using average shares outstanding method.

<sup>(2)</sup> See Note 6 for details of expense-related arrangements with Price Associates.

<sup>(3)</sup> Total return reflects the rate that an investor would have earned on an investment in the fund during each period, assuming reinvestment of all distributions, and payment of no redemption or account fees, if applicable.

# FINANCIAL HIGHLIGHTS

For a share outstanding throughout each period

Limited-Term Bond Portfolio-II Class									
		Year							
		Ended							
	1	2/31/23	1	2/31/22	1	12/31/21	12/31/20	1	2/31/19
NET ASSET VALUE									
Beginning of period	. \$	4.57	\$	4.89	\$	4.98	\$ 4.85	\$	4.76
Investment activities									
Net investment income <sup>(1)(2)</sup>		0.14		0.08		0.05	0.08		0.10
Net realized and unrealized gain/loss		0.07		(0.31)		(0.06)	0.13		0.09
Total from investment activities		0.21		(0.23)		(0.01)	 0.21		0.19
Distributions									
Net investment income		(0.14)		(80.0)		(0.05)	(0.08)		(0.10)
Net realized gain		<del>_</del>		(0.01)		(0.03)	 		<del>_</del>
Total distributions		(0.14)		(0.09)		(80.0)	 (0.08)		(0.10)
NET ASSET VALUE									
End of period	\$	4.64	\$	4.57	\$	4.89	\$ 4.98	\$	4.85
Ratios/Supplemental Data									
Total return <sup>(2)(3)</sup>		4.69%		(4.78)%		(0.13)%	 4.46%		4.10%
Ratios to average net assets:(2)									
Gross expenses before waivers/payments by Price									
Associates		0.95%		0.95%		0.95%	0.95%		0.95%
Net expenses after waivers/payments by Price							 		
Associates		0.75%		0.75%		0.75%	 0.75%		0.75%
Net investment income		3.07%		1.69%		1.06%	 1.68%		2.11%
Portfolio turnover rate		72.5%		86.3%		64.3%	 70.4%		61.1%
Net assets, end of period (in thousands)	\$	17,039	\$	17,217	\$	18,786	\$ 15,503	\$	16,613

<sup>(1)</sup> Per share amounts calculated using average shares outstanding method.

 $<sup>\</sup>ensuremath{^{(2)}}$  See Note 6 for details of expense-related arrangements with Price Associates.

<sup>(3)</sup> Total return reflects the rate that an investor would have earned on an investment in the fund during each period, assuming reinvestment of all distributions, and payment of no redemption or account fees, if applicable.

December 31, 2023

PORTFOLIO OF INVESTMENTS <sup>‡</sup>	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)			(Amounts in 000s)		
ASSET-BACKED SECURITIES 14.9%			Carvana Auto Receivables Trust		
			Series 2021-P4, Class B		
Car Loan 6.6%			1.98%, 2/10/28	190	170
Ally Auto Receivables Trust			Carvana Auto Receivables Trust		
Series 2023-A, Class B			Series 2022-N1, Class C	2.4	
6.01%, 1/17/34 (1)	42	42	3.32%, 12/11/28 (1)	64	62
Ally Auto Receivables Trust			Enterprise Fleet Financing		
Series 2023-A, Class C			Series 2023-2, Class A2	260	261
6.08%, 1/17/34 (1)	78	79	5.56%, 4/22/30 (1)	360	361
AmeriCredit Automobile Receivables Trust			Enterprise Fleet Financing Series 2023-3, Class A2		
Series 2020-1, Class C	101	100	6.40%, 3/20/30 (1)	300	307
1.59%, 10/20/25	161	160	Exeter Automobile Receivables Trust		
AmeriCredit Automobile Receivables Trust			Series 2022-2A, Class C		
Series 2020-1, Class D	415	406	3.85%, 7/17/28	305	299
1.80%, 12/18/25	410	400	Exeter Automobile Receivables Trust		
AmeriCredit Automobile Receivables Trust Series 2020-3, Class C			Series 2022-4A, Class D		
1.06%, 8/18/26	115	111	5.98%, 12/15/28	140	139
AmeriCredit Automobile Receivables Trust			Exeter Automobile Receivables Trust		
Series 2021-1, Class C			Series 2022-5A, Class C		
0.89%, 10/19/26	190	181	6.51%, 12/15/27	450	453
AmeriCredit Automobile Receivables Trust			Ford Credit Auto Lease Trust		
Series 2021-1, Class D			Series 2022-A, Class C		
1.21%, 12/18/26	115	107	4.18%, 10/15/25	465	458
AmeriCredit Automobile Receivables Trust			Ford Credit Auto Lease Trust		
Series 2021-2, Class D			Series 2023-A, Class C		
1.29%, 6/18/27	235	217	5.54%, 12/15/26	100	99
AmeriCredit Automobile Receivables Trust			Ford Credit Auto Lease Trust		
Series 2022-1, Class D			Series 2023-B, Class B		
3.23%, 2/18/28	420	393	6.20%, 2/15/27	70	
Avis Budget Rental Car Funding AESOP			Ford Credit Auto Lease Trust		
Series 2018-2A, Class C			Series 2023-B, Class C	405	4.0-
4.95%, 3/20/25 (1)	130	130	6.43%, 4/15/27	135	137
Avis Budget Rental Car Funding AESOP			Ford Credit Auto Owner Trust		
Series 2019-2A, Class A			Series 2020-1, Class B	010	000
3.35%, 9/22/25 (1)	475	469	2.29%, 8/15/31 (1)	210	202
Avis Budget Rental Car Funding AESOP			Ford Credit Auto Owner Trust		
Series 2019-2A, Class B			Series 2020-2, Class C 1.74%, 4/15/33 (1)	145	135
3.55%, 9/22/25 (1)	415	408	Ford Credit Auto Owner Trust		
Avis Budget Rental Car Funding AESOP			Series 2023-A, Class B		
Series 2020-1A, Class A	0.40	005	5.07%, 1/15/29	410	408
2.33%, 8/20/26 (1)	340	325	Ford Credit Floorplan Master Owner Trust		
CarMax Auto Owner Trust			Series 2023-1, Class C		
Series 2020-4, Class D	115	120	5.75%, 5/15/28 (1)	115	115
1.75%, 4/15/27	145	139	Ford Credit Floorplan Master Owner Trust		
CarMax Auto Owner Trust			Series 2023-1, Class D		
Series 2023-2, Class C 5.57%, 11/15/28	265	264	6.62%, 5/15/28 (1)	135	134
CarMax Auto Owner Trust	203	204	GM Financial Automobile Leasing Trust		
Series 2023-2, Class D			Series 2022-3, Class C		
6.55%, 10/15/29	175	175	5.13%, 8/20/26	615	611
CarMax Auto Owner Trust			GM Financial Automobile Leasing Trust		
Series 2023-3, Class D			Series 2023-1, Class C		
6.44%, 12/16/30	100	101	5.76%, 1/20/27	270	270
CarMax Auto Owner Trust			GM Financial Consumer Automobile		
Series 2023-4, Class B			Receivables Trust		
6.39%, 5/15/29	135	140	Series 2020-4, Class C		
CarMax Auto Owner Trust			1.05%, 5/18/26	105	102
Series 2023-4, Class C					
6.58%, 5/15/29	135	139			

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)			(Amounts in 000s)		
GM Financial Consumer Automobile Receivables Trust			World Omni Select Auto Trust Series 2020-A, Class B		
Series 2023-1, Class B			0.84%, 6/15/26	47	46
5.03%, 9/18/28	40	40	World Omni Select Auto Trust		
Hyundai Auto Receivables Trust			Series 2020-A, Class C		
Series 2020-B, Class C			1.25%, 10/15/26	160	157
1.60%, 12/15/26	175	171			12,304
JPMorgan Chase Bank			Other Asset-Backed Securities 7.6%		
Series 2021-2, Class D			Auxilior Term Funding		
1.138%, 12/26/28 (1)			Series 2023-1A, Class A2		
Navistar Financial Dealer Note Master			6.18%, 12/15/28 (1)	280	281
Owner Trust II			Ballyrock		
Series 2023-1, Class A	175	177	Series 2021-1A, Class A1, CLO, FRN		
6.18%, 8/25/28 (1)	175	177	3M TSFR + 1.322%, 6.715%, 4/15/34 (1)	250	249
Santander Bank			BRE Grand Islander Timeshare Issuer		
Series 2021-1A, Class B	54	53	Series 2019-A, Class A	20	70
1.833%, 12/15/31 (1) Santander Bank Auto Credit-Linked Notes			3.28%, 9/26/33 (1)		76
Series 2022-B, Class C			Cedar Funding XIV		
5.916%, 8/16/32 (1)	91	90	Series 2021-14A, Class A, CLO, FRN 3M TSFR + 1.362%, 6.755%, 7/15/33 (1)	290	290
Santander Bank Auto Credit-Linked Notes			CIFC Funding	290	290
Series 2023-B, Class A2			Series 2021-4A, Class A, CLO, FRN		
5.644%, 12/15/33 (1)	250	251	3M TSFR + 1.312%, 6.705%, 7/15/33 (1)	250	250
Santander Bank Auto Credit-Linked Notes			Dell Equipment Finance Trust		230
Series 2023-B, Class D			Series 2023-3, Class D		
6.663%, 12/15/33 (1)	250	250	6.75%, 10/22/29 (1)	100	102
Santander Consumer Auto Receivables			DLLAA		
Trust			Series 2023-1A, Class A3		
Series 2020-BA, Class C			5.64%, 2/22/28 (1)	185	188
1.29%, 4/15/26 (1)	73	73	Driven Brands Funding		
Santander Drive Auto Receivables Trust			Series 2018-1A, Class A2		
Series 2021-4, Class D			4.739%, 4/20/48 (1)	90	88
1.67%, 10/15/27	255	241	Dryden		
Santander Drive Auto Receivables Trust			Series 2020-86A, Class A1R, CLO, FRN		
Series 2022-2, Class C	225	0.5.4	3M TSFR + 1.362%, 6.764%, 7/17/34 (1)	250	249
3.76%, 7/16/29	365	351	Elara HGV Timeshare Issuer		
Santander Drive Auto Receivables Trust			Series 2017-A, Class A		
Series 2022-5, Class C	330	325	2.69%, 3/25/30 (1)	34	
4.74%, 10/16/28 Santander Retail Auto Lease Trust			Elara HGV Timeshare Issuer		
Series 2021-A, Class C			Series 2019-A, Class A	100	170
1.14%, 3/20/26 (1)	430	426	2.61%, 1/25/34 (1)	188	179
Santander Retail Auto Lease Trust			Elara HGV Timeshare Issuer Series 2021-A, Class A		
Series 2021-B, Class D			1.36%, 8/27/35 (1)	49	45
1.41%, 11/20/25 (1)	185	181	Elara HGV Timeshare Issuer		
Santander Retail Auto Lease Trust			Series 2023-A, Class A		
Series 2021-C, Class C			6.16%, 2/25/38 (1)	130	133
1.11%, 3/20/26 (1)	155	152	Elara HGV Timeshare Issuer		
Santander Retail Auto Lease Trust			Series 2023-A, Class C		
Series 2022-B, Class B			7.30%, 2/25/38 (1)	111	114
3.85%, 3/22/27 (1)	75	74	FirstKey Homes Trust		
U.S. Bank			Series 2020-SFR1, Class D		
Series 2023-1, Class B			2.241%, 8/17/37 (1)	500	467
6.789%, 8/25/32 (1)	250	251	FirstKey Homes Trust		
World Omni Auto Receivables Trust			Series 2020-SFR2, Class D		
Series 2020-A, Class C	225	202	1.968%, 10/19/37 (1)	315	292
1.64%, 8/17/26	295	292	FOCUS Brands Funding		
World Omni Auto Receivables Trust			Series 2017-1A, Class A2II		
Series 2022-A, Class C	155	116	5.093%, 4/30/47 (1)	117	112
2.55%, 9/15/28	155	146			

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)			(Amounts in 000s)		
Hardee's Funding			MVW		
Series 2018-1A, Class A23			Series 2020-1A, Class A		
5.71%, 6/20/48 (1)	104	97	1.74%, 10/20/37 (1)	81	75
Hardee's Funding			MVW		
Series 2018-1A, Class A2II			Series 2020-1A, Class B		
4.959%, 6/20/48 (1)	242	231	2.73%, 10/20/37 (1)	106	101
Hardee's Funding			MVW		
Series 2020-1A, Class A2			Series 2021-1WA, Class B		
3.981%, 12/20/50 (1)	233	204	1.44%, 1/22/41 (1)	38	34
Hilton Grand Vacations Trust			MVW		
Series 2022-1D, Class A			Series 2023-1A, Class A	070	
3.61%, 6/20/34 (1)	65	62	4.93%, 10/20/40 (1)	276	275
Hilton Grand Vacations Trust			MVW		
Series 2023-1A, Class B	0.47	050	Series 2023-2A, Class A	0.40	054
6.11%, 1/25/38 (1)	347	350	6.18%, 11/20/40 (1)	246	251
Hilton Grand Vacations Trust			MVW		
Series 2023-1A, Class C	90	01	Series 2023-2A, Class B 6.33%, 11/20/40 (1)	98	100
6.94%, 1/25/38 (1) HPEFS Equipment Trust		91	Neuberger Berman Loan Advisers		
Series 2021-2A, Class D			Series 2017-26A, Class BR, CLO, FRN		
1.29%, 3/20/29 (1)	160	155	3M TSFR + 1.662%, 7.057%, 10/18/30 (1)	255	252
HPEFS Equipment Trust			Neuberger Berman Loan Advisers		
Series 2023-1A, Class B			Series 2019-32A, Class AR, CLO, FRN		
5.73%, 4/20/28 (1)	275	275	3M TSFR + 1.252%, 6.648%, 1/20/32 (1)	400	399
HPEFS Equipment Trust	<del>-</del> :		Neuberger Berman XVII		
Series 2023-1A, Class C			Series 2014-17A, Class AR2, CLO, FRN		
5.91%, 4/20/28 (1)	100	100	3M TSFR + 1.292%, 6.704%, 4/22/29 (1)	395	395
HPEFS Equipment Trust			Oaktree		
Series 2023-2A, Class C			Series 2022-2A, Class A1R, CLO, FRN		
6.48%, 1/21/31 (1)	100	102	3M TSFR + 1.55%, 7/15/33 (1)(2)	315	315
HPEFS Equipment Trust			OCP		
Series 2023-2A, Class D			Series 2017-13A, Class A1AR, CLO, FRN		
6.97%, 7/21/31 (1)	200	205	3M TSFR + 1.222%, 6.615%, 7/15/30 (1)	243	242
KKR			OCP		
Series 29A, Class A, CLO, FRN			Series 2017-13A, Class A2R, CLO, FRN		
3M TSFR + 1.462%, 6.855%, 1/15/32 (1)	250	250	3M TSFR + 1.812%, 7.205%, 7/15/30 (1)	315	314
Madison Park Funding XXIII			Octane Receivables Trust		
Series 2017-23A, Class AR, CLO, FRN			Series 2021-2A, Class A		
3M TSFR + 1.232%, 6.619%, 7/27/31 (1)	277	276	1.21%, 9/20/28 (1)	47	46
Madison Park Funding XXIII			Octane Receivables Trust		
Series 2017-23A, Class BR, CLO, FRN	050	0.40	Series 2022-1A, Class B	100	477
3M TSFR + 1.812%, 7.199%, 7/27/31 (1)	250	249	4.90%, 5/22/28 (1)	180	177
Madison Park Funding XXXIII Series 2019-33A, Class AR, CLO, FRN			Octane Receivables Trust		
3M TSFR + 1.29%, 6.684%, 10/15/32 (1)	485	484	Series 2022-2A, Class A 5.11%, 2/22/28 (1)	151	150
	405	404	Octane Receivables Trust		
Madison Park Funding XXXVII Series 2019-37A, Class AR, CLO, FRN			Series 2023-1A, Class A		
3M TSFR + 1.332%, 6.725%, 7/15/33 (1)	465	464	5.87%, 5/21/29 (1)	64	64
Magnetite XXV			Octane Receivables Trust		
Series 2020-25A, Class A, CLO, FRN			Series 2023-3A, Class B		
3M TSFR + 1.462%, 6.84%, 1/25/32 (1)	500	500	6.48%, 7/20/29 (1)	100	102
MidOcean Credit XI			Octane Receivables Trust		
Series 2022-11A, Class A1R, CLO, FRN			Series 2023-3A, Class C		
3M TSFR + 1.73%, 7.096%, 10/18/33 (1)	250	249	6.74%, 8/20/29 (1)	100	102
MidOcean Credit XI			Octane Receivables Trust		<del></del> .
Series 2022-11A, Class BR, CLO, FRN			Series 2023-3A, Class D		
3M TSFR + 2.65%, 8.016%, 10/18/33 (1)	250	250	7.58%, 9/20/29 (1)	100	102
MMAF Equipment Finance			Progress Residential Trust		
Series 2022-B, Class A3			Series 2020-SFR2, Class A		
Octios 2022-D, Olass Ao			2.078%, 6/17/37 (1)		

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)	·		(Amounts in 000s)		
Progress Residential Trust Series 2022-SFR6, Class A			Nelnet Student Loan Trust Series 2021-CA, Class AFX		
4.451%, 7/20/39 (1)	230	221	1.32%, 4/20/62 (1)	239	215
SCF Equipment Leasing			SMB Private Education Loan Trust		
Series 2023-1A, Class A2			Series 2020-PTB, Class A2A		
6.56%, 1/22/30 (1)	100	101	1.60%, 9/15/54 (1)	89	81
SCF Equipment Leasing					940
Series 2023-1A, Class A3			Whole Business 0.2%		
6.17%, 5/20/32 (1)	155	159	Wheels Fleet Lease Funding 1		
Sierra Timeshare Receivables Funding			Series 2023-2A, Class A		
Series 2019-1A, Class A	4.4	4.4	6.46%, 8/18/38 (1)	370	375
3.20%, 1/20/36 (1)	41	41			375
Sierra Timeshare Receivables Funding Series 2020-2A, Class C			Total Asset-Backed Securities		
3.51%, 7/20/37 (1)	20	19	(Cost \$27,843)		27,601
Sierra Timeshare Receivables Funding		13			
Series 2021-2A, Class B			CORPORATE BONDS 48.0%		
1.80%, 9/20/38 (1)	61	57			
Sierra Timeshare Receivables Funding			FINANCIAL INSTITUTIONS 18.7%		
Series 2021-2A, Class C			Banking 12.1%		
1.95%, 9/20/38 (1)	126	117	ABN AMRO Bank, VR, 6.339%, 9/18/27 (1)		
Symphony Static I			(3)	200	204
Series 2021-1A, Class B, CLO, FRN			Ally Financial, 3.875%, 5/21/24	395	391
3M TSFR + 1.712%, 7.09%, 10/25/29 (1)	350	341	American Express, 2.25%, 3/4/25	445	431
Symphony XXIII			Banco Santander, 3.496%, 3/24/25	200	196
Series 2020-23A, Class AR, CLO, FRN			Banco Santander, VR, 5.742%, 6/30/24 (3)	400	400
3M TSFR + 1.282%, 6.675%, 1/15/34 (1)	450	449	Bank of America, VR, 0.976%, 4/22/25 (3)	255	251
Symphony XXIII			Bank of America, VR, 1.734%, 7/22/27 (3)	190	174
Series 2020-23A, Class BR, CLO, FRN			Bank of America, VR, 1.73478, 7/22/27 (3)	215	214
3M TSFR + 1.862%, 7.255%, 1/15/34 (1)	250	248	Bank of America, VR, 1.343 %, 2/4/23 (3)	265	258
Symphony XXVI				190	189
Series 2021-26A, Class AR, CLO, FRN	050	040	Bank of America, VR, 3.841%, 4/25/25 (3) Bank of America, VR, 5.08%, 1/20/27 (3)	200	199
3M TSFR + 1.342%, 6.757%, 4/20/33 (1)	250	249	Bank of Montreal, 3.70%, 6/7/25	350	343
Verdant Receivables Series 2023-1A, Class A2			Bank of Montreal, 5.70%, 6/7/25	220	222
6.24%, 1/13/31 (1)	210	211	Bank of Montreal, 5.92%, 9/25/25	325	330
0.2476, 17 10/01 (1)		13,982	Bank of Montreal, Series H, 4.25%, 9/14/24		387
Student Loan 0.5%		10,502	Bank of New York Mellon, VR, 4.414%,		
Navient Private Education Refi Loan Trust			7/24/26 (3)	225	223
Series 2019-D, Class A2A			Bank of New York Mellon, VR, 4.947%,		
3.01%, 12/15/59 (1)	77	73	4/26/27 (3)	255	255
Navient Private Education Refi Loan Trust			Bank of New York Mellon, VR, 5.148%,		
Series 2019-GA, Class A			5/22/26 (3)	250	250
2.40%, 10/15/68 (1)	57	53	Banque Federative du Credit Mutuel,		
Navient Private Education Refi Loan Trust			0.65%, 2/27/24 (1)	235	233
Series 2020-DA, Class A			Banque Federative du Credit Mutuel,		
1.69%, 5/15/69 (1)	39	35	0.998%, 2/4/25 (1)	280	267
Navient Private Education Refi Loan Trust			Banque Federative du Credit Mutuel,		
Series 2020-FA, Class A			4.935%, 1/26/26 (1)	200	199
1.22%, 7/15/69 (1)	106	96	Barclays, VR, 5.304%, 8/9/26 (3)	200	199
Navient Private Education Refi Loan Trust			Barclays, VR, 7.325%, 11/2/26 (3)	205	212
Series 2020-GA, Class A	40	4.4	CaixaBank, VR, 6.208%, 1/18/29 (1)(3)	270	275
1.17%, 9/16/69 (1)	49	44	CaixaBank, VR, 6.684%, 9/13/27 (1)(3)	290	297
Nelnet Student Loan Trust			Capital One Financial, 4.25%, 4/30/25 (4)	60	59
Series 2005-4, Class A4, FRN	233	202	Capital One Financial, VR, 2.636%,		
SOFR90A + 0.442%, 5.794%, 3/22/32	200	222	3/3/26 (3)	265	254
Nelnet Student Loan Trust Series 2020-1A, Class A, FRN			Capital One Financial, VR, 4.985%,		
1M TSFR + 0.854%, 6.21%, 3/26/68 (1)	123	121	7/24/26 (3)	205	203
3. 11 - 0.30 170, 0.2170, 0, 20, 00 (1)			Capital One Financial, VR, 6.312%,		
			6/8/29 (3)	120	123

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)			(Amounts in 000s)		
Capital One Financial, VR, 7.149%,			Toronto-Dominion Bank, 0.70%, 9/10/24	350	339
10/29/27 (3)	115	119	Toronto-Dominion Bank, 4.285%, 9/13/24	460	456
Citigroup, 4.40%, 6/10/25	230	227	Toronto-Dominion Bank, 5.532%, 7/17/26	270	275
Citigroup, VR, 0.981%, 5/1/25 (3)	200	197	Truist Financial, FRN, SOFR + 0.40%,		
Citigroup, VR, 3.106%, 4/8/26 (3)	240	234	5.818%, 6/9/25	165	162
Citigroup, VR, 4.14%, 5/24/25 (3)	255	254	U.S. Bancorp, VR, 4.548%, 7/22/28 (3)	505	497
Credicorp, 2.75%, 6/17/25 (1)	200	191	U.S. Bancorp, VR, 5.727%, 10/21/26 (3)	145	146
Danske Bank, 5.375%, 1/12/24 (1)	350	350	UBS, 0.70%, 8/9/24 (1)	205	199
Danske Bank, VR, 3.773%, 3/28/25 (1)(3)	200	198	UBS Group, VR, 1.494%, 8/10/27 (1)(3)	200	180
Danske Bank, VR, 6.259%, 9/22/26 (1)(3)	200	203	UBS Group, VR, 4.488%, 5/12/26 (1)(3)	200	197
Discover Bank, 2.45%, 9/12/24	270	263	UBS Group, VR, 4.49%, 8/5/25 (1)(3)	235	233
Fifth Third Bancorp, VR, 6.339%,			UBS Group, VR, 6.327%, 12/22/27 (1)(3)	200	205
7/27/29 (3)	95	99	Wells Fargo, VR, 2.188%, 4/30/26 (3)	205	197
Fifth Third Bank, 2.25%, 2/1/27	250	230	Wells Fargo, VR, 3.526%, 3/24/28 (3)	170	162
Fifth Third Bank, VR, 5.852%, 10/27/25 (3)	335	334	Wells Fargo, VR, 3.908%, 4/25/26 (3)	280	275
Goldman Sachs Group, 3.50%, 4/1/25	250	244	Wells Fargo, VR, 4.54%, 8/15/26 (3)	275	272
Goldman Sachs Group, FRN, SOFR +			Wells Fargo Bank, 5.55%, 8/1/25	250	252
0.486%, 5.861%, 10/21/24	325	324			22,474
Goldman Sachs Group, VR, 1.757%,	005	00.4	Brokerage Asset Managers		
1/24/25 (3)	265	264	Exchanges 0.6%		
Goldman Sachs Group, VR, 4.482%,	040	200	Charles Schwab, 2.45%, 3/3/27	608	564
8/23/28 (3)	210	206	Charles Schwab, 3.20%, 3/2/27	135	129
Goldman Sachs Group, VR, 5.798%,	000	000	LPL Holdings, 6.75%, 11/17/28	90	96
8/10/26 (3)	390	393	LSEGA Financing, 0.65%, 4/6/24 (1)	320	315
HDFC Bank, 5.686%, 3/2/26	250	253	Nasdaq, 5.65%, 6/28/25	45	45
HSBC Holdings, 4.25%, 3/14/24	200	199			1,149
HSBC Holdings, VR, 2.099%, 6/4/26 (3)	375	356	Finance Companies 1.5%		
Huntington National Bank, VR, 5.699%,	250	247	AerCap Ireland Capital, 1.65%, 10/29/24	167	161
11/18/25 (3) ING Groep, VR, 6.083%, 9/11/27 (3)	200	204	AerCap Ireland Capital, 4.875%, 1/16/24	300	300
JPMorgan Chase, FRN, SOFR + 0.885%,	200	204	AerCap Ireland Capital, 6.10%, 1/15/27	155	158
6.26%, 4/22/27	75	75	AerCap Ireland Capital, 6.45%, 4/15/27 (1)	422	437
JPMorgan Chase, VR, 0.824%, 6/1/25 (3)	225	221	Avolon Holdings Funding, 2.125%,		
JPMorgan Chase, VR, 2.083%, 4/22/26 (3)	460	441	2/21/26 (1)	200	185
JPMorgan Chase, VR, 4.08%, 4/26/26 (3)	440	433	Avolon Holdings Funding, 2.875%,	050	0.4.4
Mitsubishi UFJ Financial Group, VR,			2/15/25 (1)	250	241
0.953%, 7/19/25 (3)	400	390	Avolon Holdings Funding, 3.95%, 7/1/24 (1)	) 75	74
Morgan Stanley, VR, 1.164%, 10/21/25 (3)	195	188	Avolon Holdings Funding, 6.375%,	00	00
Morgan Stanley, VR, 2.63%, 2/18/26 (3)	250	242	5/4/28 (1)	90	92
Morgan Stanley, VR, 3.62%, 4/17/25 (3)	220	219	GATX, 3.25%, 3/30/25	25	
Morgan Stanley, VR, 5.05%, 1/28/27 (3)	105	105	GATX, 3.25%, 9/15/26	417	397
Morgan Stanley, VR, 6.138%, 10/16/26 (3)	250	255	GATX, 3.85%, 3/30/27	80	77
Morgan Stanley Bank, 4.754%, 4/21/26	250	250	GATX, 4.35%, 2/15/24	360	359
Northern Trust, 3.95%, 10/30/25	155	152	SMBC Aviation Capital Finance, 3.55%,	235	233
PNC Financial Services Group, VR, 4.758%			4/15/24 (1)		2,738
1/26/27 (3)	, 265	262	Financial Other 0.2%		2,730
PNC Financial Services Group, VR, 5.671%			LeasePlan, 2.875%, 10/24/24 (1)	400	390
10/28/25 (3)	355	356	LeaseFid11, 2.075%, 10/24/24 (1)		390
PNC Financial Services Group, VR, 5.812%	,		Insurance 3.4%		
6/12/26 (3)	100	101	Athene Global Funding, 1.716%, 1/7/25 (1)	125	117
Royal Bank of Canada, 4.95%, 4/25/25	445	445			417
Santander Holdings USA, VR, 2.49%,			Athene Global Funding, 2.514%, 3/8/24 (1) Brighthouse Financial Global Funding,	535	531
1/6/28 (3)	190	174	1.00%, 4/12/24 (1)	200	197
Standard Chartered, VR, 1.822%,			Brighthouse Financial Global Funding,	200	197
11/23/25 (1)(3)	200	193	1.55%, 5/24/26 (1)	70	64
State Street, 5.272%, 8/3/26	320	324	CNO Global Funding, 1.65%, 1/6/25 (1)	240	229
State Street, VR, 4.857%, 1/26/26 (3)	115	115	CNO Global Funding, 1.03%, 1/0/23 (1)	505	459
State Street, VR, 5.104%, 5/18/26 (3)	180	181	Corebridge Financial, 3.50%, 4/4/25	205	200
Synchrony Financial, 4.25%, 8/15/24	485	478	Elevance Health, 5.35%, 10/15/25	85	86

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)			(Amounts in 000s)		
Equitable Financial Life Global Funding,			Westlake, 0.875%, 8/15/24	205	199
0.80%, 8/12/24 (1)	255	248			2,513
Equitable Financial Life Global Funding,			Capital Goods 1.1%		
1.00%, 1/9/26 (1)	95	87	Amcor Flexibles North America, 4.00%,		
Equitable Financial Life Global Funding,	000	0.40	5/17/25	210	206
1.10%, 11/12/24 (1)	360	346	Amphenol, 2.05%, 3/1/25	220	212
Equitable Financial Life Global Funding, 1.40%, 7/7/25 (1)	35	33	Amphenol, 4.75%, 3/30/26	363	363
Equitable Financial Life Global Funding,			Carrier Global, 2.242%, 2/15/25	64	62
1.70%, 11/12/26 (1)	150	135	Carrier Global, 5.80%, 11/30/25 (1)	145	147
First American Financial, 4.60%, 11/15/24	450	445	Mohawk Industries, 5.85%, 9/18/28 Owens Corning, 3.40%, 8/15/26	150 35	155
Health Care Service A Mutual Legal			Parker-Hannifin, 3.65%, 6/15/24	400	396
Reserve, 1.50%, 6/1/25 (1)	325	308	Regal Rexnord, 6.05%, 2/15/26 (1)	170	172
Humana, 1.35%, 2/3/27	90	81	Republic Services, 2.50%, 8/15/24	220	216
Humana, 3.85%, 10/1/24	180	178	Republic Services, 4.875%, 4/1/29	80	81
Humana, 4.50%, 4/1/25	145	144			2,044
Humana, 5.75%, 3/1/28	85		Communications 4.7%		
Jackson National Life Global Funding,		070	American Tower, 1.60%, 4/15/26	373	345
1.75%, 1/12/25 (1)	290	278	American Tower, 2.40%, 3/15/25	170	164
Marsh & McLennan, 3.75%, 3/14/26	45	44	American Tower, 3.55%, 7/15/27	178	171
Metropolitan Life Global Funding I, 4.05%,	335	330	AT&T, 4.10%, 2/15/28	95	93
8/25/25 (1) Northwestern Mutual Global Funding,		330	Charter Communications Operating,		
4.35%, 9/15/27 (1)	215	212	4.908%, 7/23/25	955	946
Principal Life Global Funding II, 0.75%,			Charter Communications Operating, 6.15%		
4/12/24 (1)	165	163	11/10/26	120	122
UnitedHealth Group, 3.70%, 5/15/27	280	273	Cox Communications, 3.15%, 8/15/24 (1)	450	442
UnitedHealth Group, 4.25%, 1/15/29	228	227	Cox Communications, 3.50%, 8/15/27 (1)	100	95
UnitedHealth Group, 5.15%, 10/15/25	245	248	Cox Communications, 3.85%, 2/1/25 (1)	70	69
UnitedHealth Group, 5.25%, 2/15/28	175	181	Crown Castle, 1.05%, 7/15/26 Crown Castle, 2.90%, 3/15/27	255 265	230
Willis North America, 3.60%, 5/15/24	90	89	Crown Castle, 4.45%, 2/15/26	320	248
		6,321	Crown Castle, 5.00%, 1/11/28	85	85
Real Estate Investment Trusts 0.9%			Crown Castle, 5.60%, 6/1/29	145	148
Kimco Realty OP, 2.70%, 3/1/24	465	462	Crown Castle Towers, 4.241%, 7/15/28 (1)	80	76
Public Storage Operating, 5.125%, 1/15/29	95	98	GTP Acquisition Partners I, 3.482%,		
Public Storage Operating, FRN, SOFR +	115	115	6/16/25 (1)	465	452
0.47%, 5.846%, 4/23/24	115	115	KT, 4.00%, 8/8/25 (1)	450	442
Realty Income, 3.875%, 7/15/24	450 65	446	Meta Platforms, 4.60%, 5/15/28	185	188
Realty Income, 5.05%, 1/13/26 WP Carey, 4.00%, 2/1/25	465	65 458	NTT Finance, 4.142%, 7/26/24 (1)	200	199
WF Galey, 4.0070, 27 1/25		1,644	NTT Finance, 4.239%, 7/25/25 (1)	200	198
Total Financial Institutions		34,716	Rogers Communications, 2.95%, 3/15/25	430	418
INDUSTRIAL 25.8%			Rogers Communications, 3.20%, 3/15/27	310	296
			SBA Tower Trust, 1.631%, 11/15/26 (1)	115	103
Basic Industry 1.4%			SBA Tower Trust, 1.884%, 1/15/26 (1)	85	79
ArcelorMittal, 3.60%, 7/16/24	100	99	SBA Tower Trust, 2.836%, 1/15/25 (1)	325	314
BHP Billiton Finance USA, 5.25%, 9/8/26	440	450	SBA Tower Trust, 6.599%, 1/15/28 (1)	155	159
Celanese U.S. Holdings, 6.05%, 3/15/25	148	149	SBA Tower Trust, Series 2014-2A, Class C,	110	100
Celulosa Arauco y Constitucion, 4.50%,	200	100	STEP, 3.869%, 10/15/49 (1) T-Mobile USA, 2.25%, 2/15/26	110 195	108
8/1/24 Ecolab, 1.65%, 2/1/27	200 100	198 92	T-Mobile USA, 3.50%, 4/15/25	265	259
Ecolab, 5.25%, 1/15/28	290	299	Take-Two Interactive Software, 3.30%,		
LYB International Finance III, 1.25%,		299	3/28/24	9	9
10/1/25	177	165	Take-Two Interactive Software, 3.55%,		
Nucor, 2.00%, 6/1/25	80 80	76	4/14/25	150	147
Nucor, 3.95%, 5/23/25	125	123	Take-Two Interactive Software, 5.00%,		
Nutrien, 4.90%, 3/27/28	110	111	3/28/26	265	266
POSCO, 4.375%, 8/4/25	450	443	Verizon Communications, 1.45%, 3/20/26	270	251
Sherwin-Williams, 4.25%, 8/8/25	110	109	Verizon Communications, 2.625%, 8/15/26		377
·			Warnermedia Holdings, 3.755%, 3/15/27	700	670

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)			(Amounts in 000s)		
Warnermedia Holdings, 6.412%, 3/15/26	125	125	Volkswagen Group of America Finance,		
		8,794	5.80%, 9/12/25 (1)	280	282
Consumer Cyclical 4.6%			Volkswagen Group of America Finance,		
7-Eleven, 0.80%, 2/10/24 (1)	135	134	6.00%, 11/16/26 (1)	200	205
Advance Auto Parts, 5.90%, 3/9/26	225	224			8,526
Aptiv, 2.396%, 2/18/25	205	198	Consumer Non-Cyclical 7.0%		
AutoZone, 3.625%, 4/15/25	120	118	AbbVie, 2.60%, 11/21/24	715	699
AutoZone, 6.25%, 11/1/28	175	185	AbbVie, 2.95%, 11/21/26	510	489
Daimler Truck Finance North America,			AbbVie, 3.20%, 5/14/26	45	44
1.625%, 12/13/24 (1)	260	250	Amgen, 5.25%, 3/2/25	95	95
Daimler Truck Finance North America,			Astrazeneca Finance, 1.20%, 5/28/26	320	296
5.15%, 1/16/26 (1)	150	150	BAT International Finance, 1.668%, 3/25/26		209
Daimler Truck Finance North America,	450	450	BAT International Finance, 4.448%, 3/16/28	460	450
5.20%, 1/17/25 (1)	150	150	Becton Dickinson & Company, 3.363%,		
Dollar General, 4.625%, 11/1/27	70	69	6/6/24	336	333
Dollar General, 5.20%, 7/5/28	166	168	Becton Dickinson & Company, 3.734%,	70	
Ford Motor Credit, 5.125%, 6/16/25	290	286	12/15/24	78	
Ford Motor Credit, 6.798%, 11/7/28	200	209	Becton Dickinson & Company, 4.693%,	075	070
General Motors Financial, 2.90%, 2/26/25	485	471	2/13/28	375	376
General Motors Financial, 5.40%, 4/6/26	135	136	Brunswick, 0.85%, 8/18/24	290	281
Genuine Parts, 1.75%, 2/1/25	105	101	Cardinal Health, 3.079%, 6/15/24	180	178
Hyundai Capital America, 0.80%, 1/8/24 (	1) 160	160	Cardinal Health, 3.50%, 11/15/24	215	211
Hyundai Capital America, 0.875%,	20	70	Coca-Cola Europacific Partners, 0.80%,	680	668
6/14/24 (1)	80		5/3/24 (1) Coca-Cola Europacific Partners, 1.50%,		
Hyundai Capital America, 1.00%,	110	100	1/15/27 (1)	200	180
9/17/24 (1)	110	106	Constellation Brands, 3.60%, 5/9/24	225	223
Hyundai Capital America, 5.50%,	100	100	CSL Finance, 3.85%, 4/27/27 (1)	90	88
3/30/26 (1)	120	120	CVS Health, 1.30%, 8/21/27	455	404
Hyundai Capital America, 5.60%, 3/30/28 (1)	160	162	CVS Health, 1.30%, 6/21/27 CVS Health, 2.875%, 6/1/26	115	110
Hyundai Capital America, 6.25%,		102	CVS Health, 3.00%, 8/15/26	105	100
11/3/25 (1)	120	122	CVS Health, 5.00%, 2/20/26	255	256
Hyundai Capital Services, 2.125%,	120		HCA, 3.125%, 3/15/27	260	246
4/24/25 (1)	200	192	HCA, 5.375%, 2/1/25	165	165
Lowe's, 3.35%, 4/1/27	80	77	HCA, 5.875%, 2/15/26	185	187
Lowe's, 4.40%, 9/8/25	305	303	Imperial Brands Finance, 3.125%,		
Lowe's, 4.80%, 4/1/26	175	175	7/26/24 (1)	730	717
Marriott International, 3.60%, 4/15/24	425	422	Imperial Brands Finance, 4.25%,		
Marriott International, 3.75%, 3/15/25	55	54	7/21/25 (1)	200	196
Marriott International, 4.90%, 4/15/29	55	55	IQVIA, 6.25%, 2/1/29 (1)	125	130
Marriott International, 5.45%, 9/15/26	90	92	JDE Peet's, 0.80%, 9/24/24 (1)	150	144
Marriott International, Series EE, 5.75%,			Kenvue, 5.35%, 3/22/26	115	117
5/1/25	55	55	Mars, 4.55%, 4/20/28 (1)	355	355
Mercedes-Benz Finance North America,			Mattel, 3.375%, 4/1/26 (1)	210	200
4.80%, 3/30/26 (1)	190	190	Mattel, 5.875%, 12/15/27 (1)	230	227
Nordstrom, 2.30%, 4/8/24	35	34	Mondelez International, 2.625%, 3/17/27	190	179
O'Reilly Automotive, 5.75%, 11/20/26	185	189	Mondelez International Holdings		
Ross Stores, 0.875%, 4/15/26	290	266	Netherlands, 4.25%, 9/15/25 (1)	200	197
Ross Stores, 4.60%, 4/15/25	810	803	PeaceHealth Obligated Group, Series 2020		
Starbucks, 4.75%, 2/15/26	215	216	1.375%, 11/15/25	50	46
Stellantis Finance U.S., 1.711%, 1/29/27 (	1) 200	181	Pfizer Investment Enterprises, 4.45%,		
Tapestry, 7.00%, 11/27/26	45	47	5/19/26	530	528
Tapestry, 7.05%, 11/27/25	40	41	Pfizer Investment Enterprises, 4.45%,		
VF, 2.40%, 4/23/25	425	405	5/19/28	275	275
VF, 2.80%, 4/23/27	225	206	Philip Morris International, 4.875%, 2/13/26	230	231
Volkswagen Group of America Finance,			Philip Morris International, 5.00%, 11/17/25	140	141
3.95%, 6/6/25 (1)	200	196	Philip Morris International, 5.125%,		
Volkswagen Group of America Finance,			11/15/24	270	270
5.70%, 9/12/26 (1)	240	243	Revvity, 0.85%, 9/15/24	715	690

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)			(Amounts in 000s)		
Thermo Fisher Scientific, 4.953%, 8/10/26	425	431	Qorvo, 1.75%, 12/15/24	125	120
Utah Acquisition, 3.95%, 6/15/26	435	420	Roper Technologies, 2.35%, 9/15/24	90	88
Viatris, 1.65%, 6/22/25	380	359	S&P Global, 2.45%, 3/1/27	510	482
Viatris, 2.30%, 6/22/27	203	184	Western Digital, 4.75%, 2/15/26	475	465
Viterra Finance, 4.90%, 4/21/27 (1)	280	277	Western Union, 2.85%, 1/10/25	666	647
Zoetis, 5.40%, 11/14/25	260	262	Workday, 3.50%, 4/1/27	120	116
		12,941			5,163
Energy 3.0%			Transportation 1.2%		
Canadian Natural Resources, 2.05%,			American Airlines PTT, Series 2017-2, Class	8	
7/15/25	335	319	B, 3.70%, 10/15/25	246	23
Cheniere Corpus Christi Holdings, 5.875%,			Canadian Pacific Railway, 1.35%, 12/2/24	315	303
3/31/25	395	396	Canadian Pacific Railway, 1.75%, 12/2/26	135	124
Columbia Pipelines Holding, 6.055%,			ERAC USA Finance, 4.60%, 5/1/28 (1)	345	342
8/15/26 (1)	40	41	HPHT Finance, 2.875%, 11/5/24	600	587
DCP Midstream Operating, 5.375%,			Penske Truck Leasing, 2.70%, 11/1/24 (1)	120	117
7/15/25	485	484	Penske Truck Leasing, 3.45%, 7/1/24 (1)	172	170
Enbridge, 2.15%, 2/16/24	315	313	Penske Truck Leasing, 3.95%, 3/10/25 (1)	180	177
Enbridge, 2.50%, 1/15/25	265	257	Penske Truck Leasing, 5.75%, 5/24/26 (1)	230	232
Enbridge, 2.50%, 2/14/25	150	146			2,283
Enbridge, 5.90%, 11/15/26	110	113	Total Industrial		47,894
Enbridge, 6.00%, 11/15/28	90	94	UTILITY 3.5%		
Energy Transfer, 2.90%, 5/15/25	65	63			
Energy Transfer, 4.25%, 4/1/24	15	15	Electric 2.8%		
Energy Transfer, 4.90%, 2/1/24	175	175	AES, 3.30%, 7/15/25 (1)	190	183
Energy Transfer, 5.875%, 1/15/24	610	610	American Electric Power, 5.20%, 1/15/29	325	329
Energy Transfer, 6.05%, 12/1/26	400	411	Constellation Energy Generation, 5.60%,		
Gray Oak Pipeline, 2.60%, 10/15/25 (1)	105	99	3/1/28	145	149
ONEOK, 5.55%, 11/1/26	190	193	DTE Energy, STEP, 4.22%, 11/1/24	240	238
Ovintiv, 5.65%, 5/15/25	215	216	Enel Finance International, 1.375%,		
Pioneer Natural Resources, 5.10%, 3/29/26		240	7/12/26 (1)	265	241
			Enel Finance International, 2.65%,		
Sabine Pass Liquefaction, 5.625%, 3/1/25	320	320	9/10/24 (1)	405	395
Sabine Pass Liquefaction, 5.75%, 5/15/24	100	100	Enel Finance International, 6.80%,		
Schlumberger Finance Canada, 1.40%,	00	70	10/14/25 (1)	200	205
9/17/25	80	76	NextEra Energy Capital Holdings, 1.875%,		
TransCanada PipeLines, 6.203%, 3/9/26	415	414	1/15/27	310	285
Williams, 4.30%, 3/4/24	75	75	NextEra Energy Capital Holdings, 4.45%,		
Williams, 5.40%, 3/2/26	455	460	6/20/25	230	228
T 0 00/		5,630	NextEra Energy Capital Holdings, 5.749%,		
Technology 2.8%			9/1/25	130	131
Analog Devices, FRN, SOFR + 0.25%,		70	NextEra Energy Capital Holdings, 6.051%,		
5.686%, 10/1/24	70	70	3/1/25	115	116
CDW, 5.50%, 12/1/24	75	75	NRG Energy, 3.75%, 6/15/24 (1)	155	153
Fidelity National Information Services,	100	100	Pacific Gas & Electric, 3.50%, 6/15/25	220	213
0.60%, 3/1/24	130	129	Southern, STEP, 4.475%, 8/1/24	920	912
Fidelity National Information Services,	105	404	Vistra Operations, 3.55%, 7/15/24 (1)	1,150	1,133
4.50%, 7/15/25	135	134	Vistra Operations, 5.125%, 5/13/25 (1)	285	282
Fortinet, 1.00%, 3/15/26	160	146			5,193
Intuit, 5.25%, 9/15/26	915	932	Natural Gas 0.7%		
Microchip Technology, 0.972%, 2/15/24	300	298	APA Infrastructure, 4.20%, 3/23/25 (1)	625	616
Microchip Technology, 0.983%, 9/1/24	220	213	NiSource, 5.25%, 3/30/28	60	61
Micron Technology, 4.185%, 2/15/27	50	49	Sempra, 3.30%, 4/1/25	175	17
Micron Technology, 4.975%, 2/6/26	50	50	Sempra, 5.40%, 8/1/26	125	126
Micron Technology, 5.375%, 4/15/28	260	265	Southern California Gas, 2.95%, 4/15/27	185	176
NXP, 2.70%, 5/1/25	300	289	35diliem 5dilioma (das, 2.35 /0, 4/ 15/ 21	103	1,150
NXP, 3.15%, 5/1/27	20	19	Total Utility		6,343
NXP, 3.875%, 6/18/26	155	151	•		0,340
NXP, 4.40%, 6/1/27	35	34	Total Corporate Bonds		00.07
NXP, 4.875%, 3/1/24	250	249	(Cost \$90,004)		88,953
Oracle, 5.80%, 11/10/25	140	142			

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)	-		(Amounts in 000s)		
FOREIGN GOVERNMENT OBLIGATION MUNICIPALITIES 1.9%	NS &		Bayview MSR Opportunity Master Fund Trust		
			Series 2021-5, Class A5, CMO, ARM		
Owned No Guarantee 1.9%			2.50%, 11/25/51 (1)	139	121
Bank Mandiri Persero, 5.50%, 4/4/26	260	261	BINOM Securitization Trust		
DAE Funding, 1.55%, 8/1/24 (1)	200	195	Series 2021-INV1, Class A2, CMO, ARM		
Israel Electric, Series 6, 5.00%, 11/12/24	450	443	2.37%, 6/25/56 (1)	251	217
Korea Electric Power, 5.375%, 7/31/26 (1)		455	BINOM Securitization Trust		
Korea Housing Finance, 4.625%,			Series 2021-INV1, Class A3, CMO, ARM		
2/24/28 (1)	440	440	2.625%, 6/25/56 (1)		68
Korea Hydro & Nuclear Power, 4.25%,			BRAVO Residential Funding Trust		
7/27/27 (1)	490	483	Series 2021-NQM3, Class A1, CMO, ARM		
NBN, 1.45%, 5/5/26 (1)	405	374	1.699%, 4/25/60 (1)	120	107
Pelabuhan Indonesia Persero, 4.875%,			CIM Trust		
10/1/24	450	447	Series 2020-INV1, Class A2, CMO, ARM	7.4	0.4
QNB Finance, 2.625%, 5/12/25	450	433	2.50%, 4/25/50 (1)		61
Total Foreign Government Obligations &			CIM Trust		
Municipalities			Series 2021-INV1, Class A8, CMO, ARM	91	79
(Cost \$3,566)		3,531	2.50%, 7/1/51 (1)		
(0031 \$0,300)		3,331	Citigroup Mortgage Loan Trust		
MUNICIPAL SECURITIES 0.1%			Series 2020-EXP2, Class A3, CMO, ARM 2.50%, 8/25/50 (1)	53	45
MUNICIPAL SECURITIES 0.1%					
California 0.1%			COLT Mortgage Loan Trust Series 2021-1, Class A2, CMO, ARM		
			1.167%, 6/25/66 (1)	100	81
Golden State Tobacco Securitization,	000	407	Connecticut Avenue Securities		
Series A-1, 1.711%, 6/1/24	200	197	Series 2017-C05, Class 1ED3, CMO, ARM		
Total Municipal Securities			SOFR30A + 1.314%, 6.652%, 1/25/30	5	5
(Cost \$200)		197	Connecticut Avenue Securities Trust	<del>-</del>	·
			Series 2022-R01, Class 1M1, CMO, ARM		
NON-U.S. GOVERNMENT MORTGAGE	-BACKED		SOFR30A + 1.00%, 6.337%, 12/25/41 (1)	192	192
SECURITIES 8.9%			Deephaven Residential Mortgage Trust		
			Series 2021-1, Class A2, CMO, ARM		
Collateralized Mortgage			0.973%, 5/25/65 (1)	24	22
Obligations 4.8%			Deephaven Residential Mortgage Trust		
Angel Oak Mortgage Trust			Series 2021-2, Class A3, CMO, ARM		
Series 2020-3, Class A3, CMO, ARM			1.26%, 4/25/66 (1)	49	42
2.872%, 4/25/65 (1)	22	21	Ellington Financial Mortgage Trust		
Angel Oak Mortgage Trust			Series 2019-2, Class A3, CMO, ARM		
Series 2021-1, Class A1, CMO, ARM			3.046%, 11/25/59 (1)	17	16
0.909%, 1/25/66 (1)	111		Ellington Financial Mortgage Trust		
Angel Oak Mortgage Trust			Series 2021-1, Class A1, CMO, ARM		
Series 2021-1, Class A2, CMO, ARM	00	07	0.797%, 2/25/66 (1)	29	24
1.115%, 1/25/66 (1)	32	27	Ellington Financial Mortgage Trust		
Angel Oak Mortgage Trust			Series 2021-1, Class A3, CMO, ARM		
Series 2021-2, Class A1, CMO, ARM	00	00	1.106%, 2/25/66 (1)	29	24
0.985%, 4/25/66 (1)	98	83	Ellington Financial Mortgage Trust		
Angel Oak Mortgage Trust Series 2021-3, Class A1, CMO, ARM			Series 2021-2, Class A1, CMO, ARM		
	78	65	0.931%, 6/25/66 (1)	208	166
1.068%, 5/25/66 (1)  Angel Oak Mortgage Trust			Ellington Financial Mortgage Trust		
Series 2021-6, Class A2, CMO, ARM			Series 2021-2, Class A3, CMO, ARM	0.1	40
1.581%, 9/25/66 (1)	102	81	1.291%, 6/25/66 (1)	61	
Angel Oak Mortgage Trust	102		Flagstar Mortgage Trust		
Series 2021-6, Class A3, CMO, ARM			Series 2020-1INV, Class A11, CMO, ARM	100	100
1.714%, 9/25/66 (1)	96	76	1M TSFR + 0.964%, 6.00%, 3/25/50 (1)	132	123
Bayview MSR Opportunity Master Fund			Flagstar Mortgage Trust		
Trust			Series 2021-5INV, Class A5, CMO, ARM	186	162
Series 2021-2, Class A5, CMO, ARM			2.50%, 7/25/51 (1)	100	102
2.50%, 6/25/51 (1)	186	162	Freddie Mac Whole Loan Securities Trust Series 2017-SC01, Class M1, CMO, ARM		
		<del></del> -	3.646%, 12/25/46 (1)	50	48
			5.570 /0, 12/20/70 (1)		

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)			(Amounts in 000s)		
Freddie Mac Whole Loan Securities Trust			OBX Trust		
Series 2017-SC02, Class M1, CMO, ARM			Series 2020-EXP2, Class A8, CMO, ARM		
3.866%, 5/25/47 (1)	29	27	3.00%, 5/25/60 (1)	95	
Galton Funding Mortgage Trust			OBX Trust		
Series 2018-1, Class A33, CMO, ARM			Series 2020-EXP2, Class A9, CMO, ARM		
3.50%, 11/25/57 (1)	38	35	3.00%, 5/25/60 (1)	25	21
Galton Funding Mortgage Trust			OBX Trust		
Series 2019-1, Class A21, CMO, ARM			Series 2020-INV1, Class A5, CMO, ARM		
4.50%, 2/25/59 (1)	13	12	3.50%, 12/25/49 (1)	54	48
Galton Funding Mortgage Trust			OBX Trust		
Series 2019-1, Class A32, CMO, ARM			Series 2023-NQM9, Class A2, CMO, STEP		
4.00%, 2/25/59 (1)	20	18	7.513%, 10/25/63 (1)	97	100
Galton Funding Mortgage Trust			Oceanview Mortgage Trust		
Series 2019-H1, Class M1, CMO, ARM			Series 2022-1, Class A5, CMO, ARM		
3.339%, 10/25/59 (1)	230	214	2.50%, 12/25/51 (1)	191	166
Galton Funding Mortgage Trust			Sequoia Mortgage Trust		
Series 2020-H1, Class M1, CMO, ARM			Series 2018-CH2, Class A21, CMO, ARM		
2.832%, 1/25/60 (1)	380	295	4.00%, 6/25/48 (1)	27	25
GS Mortgage-Backed Securities Trust			Sequoia Mortgage Trust		
Series 2014-EB1A, Class 2A1, CMO, ARM			Series 2018-CH3, Class A19, CMO, ARM		
4.459%, 7/25/44 (1)	3	3	4.50%, 8/25/48 (1)	4	4
GS Mortgage-Backed Securities Trust			SG Residential Mortgage Trust		
Series 2021-GR2, Class A6, CMO, ARM			Series 2020-2, Class A1, CMO, ARM		
2.50%, 2/25/52 (1)	203	176	1.381%, 5/25/65 (1)	38	33
GS Mortgage-Backed Securities Trust			SG Residential Mortgage Trust		
Series 2022-GR1, Class A5, CMO, ARM			Series 2022-1, Class A1, CMO, ARM		
2.50%, 6/25/52 (1)	411	355	3.166%, 3/27/62 (1)	128	115
Imperial Fund Mortgage Trust			Starwood Mortgage Residential Trust		
Series 2021-NQM2, Class A3, CMO, ARM			Series 2019-INV1, Class A3, CMO, ARM		
1.516%, 9/25/56 (1)	100	79	2.916%, 9/27/49 (1)	231	222
Imperial Fund Mortgage Trust			Starwood Mortgage Residential Trust		<del></del>
Series 2022-NQM4, Class A1, CMO, STEP			Series 2021-2, Class A1, CMO, ARM		
4.767%, 6/25/67 (1)	334	326	0.943%, 5/25/65 (1)	87	79
JPMorgan Mortgage Trust			Starwood Mortgage Residential Trust		
Series 2020-INV1, Class A15, CMO, ARM			Series 2021-4, Class A1, CMO, ARM		
3.50%, 8/25/50 (1)	92	82	1.162%, 8/25/56 (1)	247	206
MFA Trust	<del></del>	· · · · · · · · · · · · · · · · · · ·	Structured Agency Credit Risk Debt Notes	<del>-</del>	
Series 2021-INV1, Class A1, CMO, ARM			Series 2021-DNA5, Class M2, CMO, ARM		
0.852%, 1/25/56 (1)	43	40	SOFR30A + 1.65%, 6.987%, 1/25/34 (1)	69	69
MFA Trust			Structured Agency Credit Risk Debt Notes		
Series 2021-NQM2, Class A2, CMO, ARM			Series 2021-DNA7, Class M2, CMO, ARM		
1.317%, 11/25/64 (1)	49	42	SOFR30A + 1.80%, 7.137%, 11/25/41 (1)	90	89
Morgan Stanley Residential Mortgage Loar			Structured Agency Credit Risk Debt Notes		
Trust	1		Series 2022-DNA5, Class M1A, CMO, ARM		
Series 2023-NQM1, Class A2, CMO, STEP			SOFR30A + 2.95%, 8.287%, 6/25/42 (1)	235	241
7.53%, 9/25/68 (1)	98	100	Structured Agency Credit Risk Debt Notes		
New Residential Mortgage Loan Trust			Series 2023-HQA3, Class A1, CMO, ARM		
Series 2021-INV1, Class A6, CMO, ARM			SOFR30A + 1.85%, 7.187%, 11/25/43 (1)	99	100
2.50%, 6/25/51 (1)	124	108	Toorak Mortgage		
New Residential Mortgage Loan Trust		100	Series 2021-INV1, Class A2, CMO, ARM		
Series 2021-INV2, Class A7, CMO, ARM			1.409%, 7/25/56 (1)	56	48
2.50%, 9/25/51 (1)	360	315	Towd Point Mortgage Trust		
NLT Trust			Series 2022-4, Class A1, CMO		
Series 2021-INV2, Class A3, CMO, ARM			3.75%, 9/25/62 (1)	385	360
1.52%, 8/25/56 (1)	91	74			300
OBX Trust			UWM Mortgage Trust		
			Series 2021-INV2, Class A4, CMO, ARM 2 50% 9/25/51 (1)	61	E E
Series 2019-EXP2, Class 2A2, CMO, ARM	10	10	2.50%, 9/25/51 (1)		
1M TSFR + 1.314%, 6.444%, 6/25/59 (1)	18	18	UWM Mortgage Trust		
OBX Trust			Series 2021-INV5, Class A4, CMO, ARM	207	0.40
Series 2020-EXP1, Class 2A2, CMO, ARM	00	00	2.50%, 1/25/52 (1)	397	343
1M TSFR + 1.064%, 6.42%, 2/25/60 (1)	32	29			

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)	<u>,                                      </u>		(Amounts in 000s)		-
Verus Securitization Trust			BCP Trust		
Series 2019-4, Class A3, CMO, STEP			Series 2021-330N, Class A, ARM		
4.00%, 11/25/59 (1)	162	156	1M TSFR + 0.913%, 6.275%, 6/15/38 (1)	120	108
Verus Securitization Trust			BFLD		
Series 2019-INV3, Class A3, CMO, ARM			Series 2019-DPLO, Class B, ARM		
4.10%, 11/25/59 (1)	140	136	1M TSFR + 1.454%, 6.816%, 10/15/34 (1)	510	507
Verus Securitization Trust			BPR Trust		
Series 2020-1, Class A3, CMO, STEP			Series 2021-TY, Class B, ARM		
2.724%, 1/25/60 (1)	209	199	1M TSFR + 1.264%, 6.626%, 9/15/38 (1)	200	191
Verus Securitization Trust			BSREP Commercial Mortgage Trust		
Series 2020-5, Class A3, CMO, STEP			Series 2021-DC, Class D, ARM		
1.733%, 5/25/65 (1)	26	24	1M TSFR + 2.014%, 7.376%, 8/15/38 (1)	166	123
Verus Securitization Trust			BX Commercial Mortgage Trust		
Series 2021-1, Class A1, CMO, ARM			Series 2019-IMC, Class A, ARM		
0.815%, 1/25/66 (1)	35	30	1M TSFR + 1.046%, 6.408%, 4/15/34 (1)	100	99
Verus Securitization Trust			BX Commercial Mortgage Trust		
Series 2021-1, Class A2, CMO, ARM			Series 2019-IMC, Class B, ARM		
1.052%, 1/25/66 (1)	47	40	1M TSFR + 1.346%, 6.708%, 4/15/34 (1)	170	169
Verus Securitization Trust			BX Commercial Mortgage Trust		
Series 2021-1, Class A3, CMO, ARM			Series 2019-XL, Class A, ARM		
1.155%, 1/25/66 (1)	33	29	1M TSFR + 1.034%, 6.396%, 10/15/36 (1)	45	45
			BX Commercial Mortgage Trust		
Verus Securitization Trust Series 2021-2, Class A1, CMO, ARM			Series 2022-AHP, Class A, ARM		
• • • •	64	55	1M TSFR + 0.99%, 6.352%, 1/17/39 (1)	190	186
1.031%, 2/25/66 (1)		55			
Verus Securitization Trust			BX Commercial Mortgage Trust		
Series 2021-5, Class A3, CMO, ARM	0.0	71	Series 2022-CSMO, Class B, ARM	000	000
1.373%, 9/25/66 (1)	86	71	1M TSFR + 3.141%, 8.503%, 6/15/27 (1)	260	260
Verus Securitization Trust			BX Trust		
Series 2021-7, Class A1, CMO, ARM	000	007	Series 2021-ARIA, Class C, ARM	4.45	4.40
1.829%, 10/25/66 (1)	330	287	1M TSFR + 1.76%, 7.122%, 10/15/36 (1)	145	140
Verus Securitization Trust			Citigroup Commercial Mortgage Trust		
Series 2021-R1, Class A2, CMO, ARM		4.0	Series 2013-375P, Class B, ARM	005	400
1.057%, 10/25/63 (1)	20	19	3.518%, 5/10/35 (1)	205	189
Verus Securitization Trust			Citigroup Commercial Mortgage Trust		
Series 2021-R2, Class A1, CMO, ARM			Series 2013-375P, Class C, ARM	450	40-
0.918%, 2/25/64 (1)	69	60	3.518%, 5/10/35 (1)	150	137
Verus Securitization Trust			Cold Storage Trust		
Series 2022-1, Class A3, CMO, ARM			Series 2020-ICE5, Class B, ARM		
3.288%, 1/25/67 (1)	288	250	1M TSFR + 1.414%, 6.772%, 11/15/37 (1)	256	253
Verus Securitization Trust			Commercial Mortgage Trust		
Series 2023-6, Class A2, CMO, STEP			Series 2014-CR19, Class AM		
6.939%, 9/25/68 (1)	122	123	4.08%, 8/10/47	210	203
Verus Securitization Trust			Commercial Mortgage Trust		
Series 2023-8, Class A2, CMO, STEP			Series 2014-CR19, Class D, ARM		
6.664%, 12/25/68 (1)	100	101	4.629%, 8/10/47 (1)	250	213
Verus Securitization Trust			Commercial Mortgage Trust		
Series 2023-INV3, Class A2, CMO, ARM			Series 2014-UBS2, Class A5		
7.33%, 11/25/68 (1)	105	106	3.961%, 3/10/47	112	111
Wells Fargo Mortgage Backed Securities			Commercial Mortgage Trust		
Trust			Series 2014-UBS2, Class B		
Series 2021-RR1, Class A3, CMO, ARM			4.701%, 3/10/47	440	416
2.50%, 12/25/50 (1)	229	202	Commercial Mortgage Trust		
		8,900	Series 2015-CR22, Class B, ARM		
Commercial Mortgage-Backed			3.926%, 3/10/48	100	93
Securities 3.9%			Commercial Mortgage Trust		
BAMLL Commercial Mortgage Securities			Series 2017-PANW, Class A		
Trust			3.244%, 10/10/29 (1)	100	89
Series 2021-JACX, Class C, ARM			Commercial Mortgage Trust		
1M TSFR + 2.114%, 7.476%, 9/15/38 (1)	190	162	Series 2017-PANW, Class D, ARM		
			3.935%, 10/10/29 (1)	100	85

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)	-		(Amounts in 000s)	-	
Credit Suisse Mortgage Trust			WFRBS Commercial Mortgage Trust		
Series 2020-NET, Class A			Series 2014-LC14, Class A5		
2.257%, 8/15/37 (1)	110	102	4.045%, 3/15/47	27	27
Extended Stay America Trust					7,236
Series 2021-ESH, Class C, ARM			Residential Mortgage 0.2%		
1M TSFR + 1.814%, 7.176%, 7/15/38 (1)	182	179	Finance of America HECM Buyout		
Federal Home Loan Mortgage Multifamily			Series 2022-HB2, Class A1A, ARM		
Structured PTC			4.00%, 8/1/32 (1)	214	210
Series K753, Class A1			MetLife Securitization Trust		
4.60%, 6/25/30	159	160	Series 2017-1A, Class A, CMO, ARM		
Fontainebleau Miami Beach Trust			3.00%, 4/25/55 (1)	108	101
Series 2019-FBLU, Class A			Towd Point Mortgage Trust		
3.144%, 12/10/36 (1)	200	194	Series 2017-1, Class A1, CMO, ARM		
Great Wolf Trust			2.75%, 10/25/56 (1)	10	10
Series 2019-WOLF, Class A, ARM			Towd Point Mortgage Trust		
1M TSFR + 1.148%, 6.71%, 12/15/36 (1)	399	397	Series 2018-1, Class A1, CMO, ARM		
Great Wolf Trust			3.00%, 1/25/58 (1)	50	49
Series 2019-WOLF, Class B, ARM					370
1M TSFR + 1.448%, 7.01%, 12/15/36 (1)	45	45	Total Non-U.S. Government Mortgage-		
Great Wolf Trust			Backed Securities		
Series 2019-WOLF, Class C, ARM			(Cost \$18,306)		16,506
1M TSFR + 1.747%, 7.309%, 12/15/36 (1)	390	387	(Cost \$16,300)		10,500
GS Mortgage Securities Trust			LLC COVERNMENT & ACENOV MOR	TO A OF BAOKED	
Series 2021-ROSS, Class B, ARM			U.S. GOVERNMENT & AGENCY MOR	IGAGE-BACKED	
1M TSFR + 1.714%, 7.076%, 5/15/26 (1)	160	124	SECURITIES 5.0%		
JPMorgan Chase Commercial Mortgage					
Securities Trust			U.S. Government Agency		
Series 2019-BKWD, Class C, ARM			Obligations 3.7%		
1M TSFR + 2.214%, 7.576%, 9/15/29 (1)	355	272	Federal Home Loan Mortgage		
JPMorgan Chase Commercial Mortgage			3.50%, 3/1/46	84	79
Securities Trust			5.00%, 7/1/25	_	_
Series 2020-609M, Class B, ARM			5.50%, 10/1/38	2	2
1M TSFR + 2.134%, 7.496%, 10/15/33 (1)	255	228	6.00%, 9/1/34 - 9/1/35	57	60
JPMorgan Chase Commercial Mortgage			7.00%, 3/1/39	48	50
Securities Trust			7.50%, 6/1/38	44	46
Series 2020-609M, Class C, ARM			Federal Home Loan Mortgage, ARM		
1M TSFR + 2.534%, 7.896%, 10/15/33 (1)	210	173	1Y CMT + 2.245%, 5.221%, 1/1/36	4	5
KIND Trust			1Y CMT + 2.25%, 6.34%, 10/1/36	1	1
Series 2021-KIND, Class C, ARM			RFUCCT1Y + 1.625%, 4.849%, 4/1/37	5	
1M TSFR + 1.864%, 7.226%, 8/15/38 (1)	243	226	RFUCCT1Y + 1.625%, 5.26%, 6/1/38	10	10
LSTAR Commercial Mortgage Trust			RFUCCT1Y + 1.726%, 5.965%, 7/1/35	2	2
Series 2017-5, Class AS			RFUCCT1Y + 1.733%, 5.592%, 10/1/36	<u>-</u> 5	<u>2</u> . 5
4.021%, 3/10/50 (1)	145	128			
Morgan Stanley Capital I Trust			RFUCCT1Y + 1.74%, 5.058%, 5/1/38	<u>5</u>	5
Series 2014-150E, Class A			RFUCCT1Y + 1.75%, 4.125%, 2/1/35	1	
3.912%, 9/9/32 (1)	340	279	RFUCCT1Y + 1.775%, 5.232%, 5/1/37	2	
Morgan Stanley Capital I Trust			RFUCCT1Y + 1.842%, 4.824%, 1/1/37	2	
Series 2019-NUGS, Class D, ARM			RFUCCT1Y + 1.917%, 4.292%, 2/1/37	1	
1M TSFR + 1.914%, 7.276%, 12/15/36 (1)	130	46	RFUCCT1Y + 2.03%, 6.276%, 11/1/36	2	2
ONE Mortgage Trust			RFUCCT1Y + 2.083%, 4.582%, 2/1/38		
Series 2021-PARK, Class B, ARM			Federal Home Loan Mortgage, CMO,		
1M TSFR + 1.064%, 6.426%, 3/15/36 (1)	315	294	2.00%, 2/15/40	28	27
ONE Mortgage Trust			Federal Home Loan Mortgage, UMBS		
Series 2021-PARK, Class C, ARM			1.50%, 2/1/36	194	170
1M TSFR + 1.214%, 6.576%, 3/15/36 (1)	170	156	2.50%, 1/1/52 - 4/1/52	301	258
Wells Fargo Commercial Mortgage Trust			3.00%, 11/1/34	134	127
Series 2015-NXS2, Class A2			4.00%, 12/1/49	32	30
3.02%, 7/15/58	42	40	4.50%, 9/1/37 - 5/1/50	253	252
			5.50%, 8/1/53	255	256
			6.00%, 2/1/53	135	140
			5.50 /0, <i>L</i> / 1/ 00		

	Par/Shares	\$ Value		Par/Shares	\$ Value
(Amounts in 000s)			(Amounts in 000s)		
Federal National Mortgage Assn., ARM			U.S. Treasury Notes, 5.00%, 10/31/25 (6)	9,060	9,165
RFUCCT1Y + 1.34%, 3.59%, 12/1/35	2	2			34,803
RFUCCT1Y + 1.553%, 5.242%, 7/1/35	1	1	Total U.S. Government Agency		
RFUCCT1Y + 1.584%, 5.33%, 12/1/35	5	5	Obligations (Excluding Mortgage-Backed)	)	
RFUCCT1Y + 1.593%, 5.093%, 7/1/36	4	4	(Cost \$35,138)	,	35,435
RFUCCT1Y + 1.655%, 5.905%, 8/1/37	1	1	, , ,		
RFUCCT1Y + 1.77%, 4.145%, 12/1/35	1	<u> </u>	SHORT-TERM INVESTMENTS 2.4%		
RFUCCT1Y + 1.78%, 6.03%, 1/1/34	5	5			
RFUCCT1Y + 1.788%, 4.538%, 5/1/38	2	2	Commercial Paper 0.6%		
RFUCCT1Y + 1.83%, 5.081%, 4/1/38	12	12	•		
RFUCCT1Y + 1.853%, 6.103%, 8/1/38		6	4(2) 0.6%(7)		
RFUCCT1Y + 1.892%, 4.779%, 12/1/35	2	1	Harley-Davidson Financial Services,		
RFUCCT1Y + 1.922%, 5.20%, 5/1/38	<u>-</u>	6	6.116%, 1/5/24	490	489
RFUCCT1Y + 2.04%, 6.29%, 12/1/36	 1	1	Western Midstream Operating, 6.303%,		
Federal National Mortgage Assn., UMBS	·		1/26/24	495	493
2.00%, 10/1/50	103	85			982
2.50%, 1/1/52	188	161	Money Market Funds 1.8%		
	405	362	T. Rowe Price Government Reserve Fund.		
3.00%, 1/1/27 - 6/1/52			5.42% (8)(9)	3,381	3,381
3.50%, 3/1/28 - 1/1/52	115	107	0.4270 (0)(0)		
4.00%, 11/1/49 - 9/1/52	630	597			3,381
4.50%, 12/1/40 - 8/1/52	1,032	1,008	Total Short-Term Investments		
5.00%, 9/1/25 - 9/1/53	418	417	(Cost \$4,364)		4,363
5.50%, 10/1/24 - 10/1/53	374	381			
6.00%, 3/1/34 - 8/1/53	1,750	1,790	<b>SECURITIES LENDING COLLATERAL 0</b>	.0%	
6.50%, 7/1/32 - 12/1/32	41	42			
UMBS, TBA, 6.00%, 1/1/54 (5)	275	279	INVESTMENTS IN A POOLED ACCOUNT		
		6,820	THROUGH SECURITIES LENDING		
U.S. Government Obligations 1.3%			PROGRAM WITH STATE STREET BANK		
Government National Mortgage Assn.			AND TRUST COMPANY 0.0%		
2.00%, 3/20/52	20	17	Money Market Funds 0.0%		
3.00%, 9/20/47	648	594	•		
3.50%, 7/20/52	774	720	T. Rowe Price Government Reserve Fund,		
4.00%, 10/20/50 - 10/20/52	195	186	5.42% (8)(9)	55	55
4.50%, 10/20/52	600	586	Total Investments in a Pooled Account		
5.00%, 12/20/34 - 11/20/47	224	227	through Securities Lending Program with		
5.50%, 3/20/48 - 3/20/49	35	36	State Street Bank and Trust Company		55
Government National Mortgage Assn., TBA	·,		Total Securities Lending Collateral		
6.50%, 1/20/54 (5)	140	143	(Cost \$55)		55
		2,509	Total Investments in Securities		
Total U.S. Government & Agency			100.3% of Net Assets		
Mortgage-Backed Securities			(Cost \$189,014)	\$	185,970
(Cost \$9,538)		9,329	(0031 \$100,014)	Ψ_	100,010
U.S. GOVERNMENT AGENCY OBLIGAT MORTGAGE-BACKED) 19.1%	TIONS (EXCLUD	ING			
Government Sponsored 0.3%					
·		600			
Federal Home Loan Banks, 5.00%, 2/28/25	630	632 632			
U.S. Treasury Obligations 18.8%					

1,517

7,947

925

929 7,409

6,577

334

1,525

7,920

335

910

920

7,340

6,510

U.S. Treasury Notes, 4.00%, 12/15/25

U.S. Treasury Notes, 4.25%, 5/31/25

U.S. Treasury Notes, 4.50%, 11/15/25

U.S. Treasury Notes, 4.625%, 11/15/26

U.S. Treasury Notes, 4.875%, 11/30/25

U.S. Treasury Notes, 5.00%, 8/31/25

U.S. Treasury Notes, 5.00%, 9/30/25

- ‡ Par/Shares and Notional Amount are denominated in U.S. dollars unless otherwise noted.
- (1) Security was purchased pursuant to Rule 144A under the Securities Act of 1933 and may be resold in transactions exempt from registration only to qualified institutional buyers. Total value of such securities at period-end amounts to \$60,627 and represents 32.7% of net assets.
- (2) All or a portion of this loan is unsettled as of December 31, 2023. The interest rate for unsettled loans will be determined upon settlement after period end.
- (3) Security is a fix-to-float security, which carries a fixed coupon until a certain date, upon which it switches to a floating rate. Reference rate and spread are provided if the rate is currently floating.
- (4) See Note 4. All or a portion of this security is on loan at December 31, 2023.
- (5) See Note 4. To-Be-Announced purchase commitment. Total value of such securities at period-end amounts to \$422 and represents 0.2% of net assets.
- (6) At December 31, 2023, all or a portion of this security is pledged as collateral and/or margin deposit to cover future funding obligations.
- (7) Commercial paper exempt from registration under Section 4(2) of the Securities Act of 1933 and may be resold in transactions exempt from registration only to dealers in that program or other "accredited investors". Total value of such securities at period-end amounts to \$982 and represents 0.6% of net assets.
- (8) Seven-day yield
- (9) Affiliated Companies
- 1M TSFR One month term SOFR (Secured overnight financing rate)
- 3M TSFR Three month term SOFR (Secured overnight financing rate)
- 1Y CMT One year U.S. Treasury note constant maturity
  - ARM Adjustable Rate Mortgage (ARM); rate shown is effective rate at period-end. The rates for certain ARMs are not based on a published reference rate and spread but may be determined using a formula based on the rates of the underlying loans.
  - CLO Collateralized Loan Obligation
  - CMO Collateralized Mortgage Obligation
  - FRN Floating Rate Note
  - PTT Pass-Through Trust
- RFUCCT1Y Twelve month Refinitiv USD IBOR Consumer Cash Fallback
  - SOFR Secured overnight financing rate
- SOFR30A 30-day Average SOFR (Secured overnight financing rate)
- SOFR90A 90-day Average SOFR (Secured overnight financing rate)
  - STEP Stepped coupon bond for which the coupon rate of interest adjusts on specified date(s); rate shown is effective rate at period-end.
  - TBA To-Be-Announced
  - UMBS Uniform Mortgage-Backed Securities
    - VR Variable Rate; rate shown is effective rate at period-end. The rates for certain variable rate securities are not based on a published reference rate and spread but are determined by the issuer or agent and based on current market conditions.

(Amounts in 000s)

## SWAPS (0.0)%

Description	Notional Amount	\$ Value	Upfront Payments/ \$ (Receipts)	Unrealized \$ Gain/(Loss)
BILATERAL SWAPS (0.0)%				, , , ,
Credit Default Swaps, Protection Bought (0.0)%				
Bank of America, Protection Bought (Relevant Credit: General Mills), Pay 1.00% Quarterly,				
Receive upon credit default, 12/20/24	417	(3)	(2)	(1)
Barclays Bank, Protection Bought (Relevant Credit: Omnicom Group), Pay 1.00% Quarterly,				
Receive upon credit default, 12/20/24	1,250	(11)	(8)	(3)
Citibank, Protection Bought (Relevant Credit: General Mills), Pay 1.00% Quarterly, Receive				
upon credit default, 12/20/24	596	(5)	(3)	(2)
Goldman Sachs, Protection Bought (Relevant Credit: General Mills), Pay 1.00% Quarterly,				
Receive upon credit default, 12/20/24	1,220	(11)	(8)	(3)
Morgan Stanley, Protection Bought (Relevant Credit: Markit CMBX.NA.AAA-S13, 50 Year				
Index), Pay 0.50% Monthly, Receive upon credit default, 12/16/72	2,267	15	62	(47)
Total Bilateral Credit Default Swaps, Protection Bought			41	(56)
Total Bilateral Swaps			41	(56)

## FUTURES CONTRACTS

(\$000s)				
	Expiration Date	Notional Amount		Value and Unrealized Gain (Loss)
Short, 8 U.S. Treasury Notes five year contracts	3/24	(870)	\$	(22)
Short, 33 U.S. Treasury Notes ten year contracts	3/24	(3,725)		(118)
Long, 222 U.S. Treasury Notes two year contracts	3/24	45,713		417
Short, 7 Ultra U.S. Treasury Bonds contracts	3/24	(935)		(91)
Short, 35 Ultra U.S. Treasury Notes ten year contracts	3/24	(4,131)		(179)
Net payments (receipts) of variation margin to date				27
Variation margin receivable (payable) on open futures contracts			.\$	34

## AFFILIATED COMPANIES

(\$000s)

The fund may invest in certain securities that are considered affiliated companies. As defined by the 1940 Act, an affiliated company is one in which the fund owns 5% or more of the outstanding voting securities, or a company that is under common ownership or control. The following securities were considered affiliated companies for all or some portion of the year ended December 31, 2023. Net realized gain (loss), investment income, change in net unrealized gain/loss, and purchase and sales cost reflect all activity for the period then ended.

Change in Net

Affiliate		Net Realized Gain (Loss)	Unrealized Gain/Loss	Investment Income
T. Rowe Price Government Reserve Fund, 5.42%	\$	- \$	- \$	137++
Totals	\$	<u>-</u> # \$	- \$	137+
Supplementary Investment Schedule				
	Value	Purchase	Sales	Value
Affiliate	12/31/22	Cost	Cost	12/31/23
	,,			12/01/20
T. Rowe Price Government Reserve Fund, 5.42%	\$ 1,885	a	<b>¤</b> \$	3,436

- # Capital gain distributions from underlying Price funds represented \$0 of the net realized gain (loss).
- ++ Excludes earnings on securities lending collateral, which are subject to rebates and fees as described in Note 4.
- + Investment income comprised \$137 of dividend income and \$0 of interest income.
- purchase and sale information not shown for cash management funds.
- ^ The cost basis of investments in affiliated companies was \$3,436.

December 31, 2023

# STATEMENT OF ASSETS AND LIABILITIES

(\$000s, except shares and per share amounts)		
Assets Investments in securities, at value (cost \$189,014) Interest receivable Bilateral swap premiums paid Variation margin receivable on futures contracts Cash Receivable for shares sold Receivable for investment securities sold Other assets Total assets	\$	185,970 1,554 62 34 6 6 1 20
Liabilities Payable for investment securities purchased Payable for shares redeemed Investment management and administrative fees payable Unrealized loss on bilateral swaps Obligation to return securities lending collateral Bilateral swap premiums received Other liabilities Total liabilities  NET ASSETS		1,668 232 114 56 55 21 4 2,150
Net Assets Consist of: Total distributable earnings (loss) Paid-in capital applicable to 39,815,001 shares of \$0.0001 par value capital stock outstanding; 1,000,000,000 shares of the Corporation authorized  NET ASSETS	\$ \$	(8,988) 194,491 <b>185,503</b>
NET ASSET VALUE PER SHARE  Limited-Term Bond Portfolio Class (Net assets: \$168,464; Shares outstanding: 36,143,097)	\$	4.66
Limited-Term Bond Portfolio-II Class (Net assets: \$17,039; Shares outstanding: 3,671,904)	\$	4.64

The accompanying notes are an integral part of these financial statements.

# STATEMENT OF OPERATIONS

(\$000s)

(\$CCC)	Year Ended 12/31/23
Investment Income (Loss)	12/31/23
Income	
Interest	\$ 6,702
Dividend	137
Securities lending	2
Total income	6,841
Expenses	
Investment management and administrative expense	1,255
Rule 12b-1 fees - Limited-Term Bond Portfolio-II Class	41
Waived / paid by Price Associates	(358)
Net expenses	938
Net investment income	5,903
Realized and Unrealized Gain / Loss	
Net realized gain (loss)	
Securities	(2,274)
Futures	(446)
Swaps	(34)
Options written	9
Net realized loss	(2,745)
Change in net unrealized gain / loss	
Securities	5,758
Futures	(36)
Swaps	(63)
Change in net unrealized gain / loss	5,659
Net realized and unrealized gain / loss	2,914
INCREASE IN NET ASSETS FROM OPERATIONS	\$ 8,817

The accompanying notes are an integral part of these financial statements.

# STATEMENT OF CHANGES IN NET ASSETS

(\$000s)			
		Year	
		Ended	
		12/31/23	12/31/22
Increase (Decrease) in Net Assets		, 0 ., _0	/ 0 . /
Operations			
Net investment income	\$	5,903 \$	3,444
Net realized loss	Ψ	(2,745)	(3,103)
Change in net unrealized gain / loss		5,659	(9,031)
Increase (decrease) in net assets from operations		8.817	(8,690)
morease (desirease) in het assets nom operations			(0,000)
Distributions to shareholders			
Net earnings			
Limited-Term Bond Portfolio Class		(5,399)	(3,413)
Limited-Term Bond Portfolio-II Class		(510)	(328)
Decrease in net assets from distributions		(5,909)	(3,741)
		(0,000)	(0,1.17
Capital share transactions*			
Shares sold			
Limited-Term Bond Portfolio Class		32,342	59,524
Limited-Term Bond Portfolio-II Class		3,881	7,474
Distributions reinvested			
Limited-Term Bond Portfolio Class		5,392	3,428
Limited-Term Bond Portfolio-II Class		509	329
Shares redeemed			
Limited-Term Bond Portfolio Class		(32,943)	(61,847)
Limited-Term Bond Portfolio-II Class		(4,846)	(8,169)
Increase in net assets from capital share transactions		4,335	739
Net Assets			
Increase (decrease) during period		7,243	(11,692)
Beginning of period		178,260	189,952
End of period	\$	185,503 \$	178,260
	<del>,</del>	, , , , , , , , , , , , , , , , , , ,	,
*Share information (000s)			
Shares sold			
Limited-Term Bond Portfolio Class		7,030	12,646
Limited-Term Bond Portfolio-II Class		848	1,605
Distributions reinvested			
Limited-Term Bond Portfolio Class		1,170	735
Limited-Term Bond Portfolio-II Class		111	71
Shares redeemed			
Limited-Term Bond Portfolio Class		(7,159)	(13,157)
Limited-Term Bond Portfolio-II Class		(1,056)	(1,751)
Increase in shares outstanding		944	149
		<b>3</b> 11	

The accompanying notes are an integral part of these financial statements.

### **NOTES TO FINANCIAL STATEMENTS**

T. Rowe Price Fixed Income Series, Inc. (the corporation) is registered under the Investment Company Act of 1940 (the 1940 Act). The Limited-Term Bond Portfolio (the fund) is a diversified, open-end management investment company established by the corporation. The fund seeks a high level of income consistent with moderate fluctuations in principal value. Shares of the fund currently are offered only to insurance company separate accounts established for the purpose of funding variable annuity contracts and variable life insurance policies. The fund has two classes of shares: the Limited-Term Bond Portfolio (Limited-Term Bond Portfolio Class) and the Limited-Term Bond Portfolio–II (Limited-Term Bond Portfolio–II Class shares are sold through financial intermediaries, which it compensates for distribution, shareholder servicing, and/or certain administrative services under a Board-approved Rule 12b-1 plan. Each class has exclusive voting rights on matters related solely to that class; separate voting rights on matters that relate to both classes; and, in all other respects, the same rights and obligations as the other class.

### **NOTE 1 - SIGNIFICANT ACCOUNTING POLICIES**

Basis of Preparation The fund is an investment company and follows accounting and reporting guidance in the Financial Accounting Standards Board (FASB) *Accounting Standards Codification* Topic 946 (ASC 946). The accompanying financial statements were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP), including, but not limited to, ASC 946. GAAP requires the use of estimates made by management. Management believes that estimates and valuations are appropriate; however, actual results may differ from those estimates, and the valuations reflected in the accompanying financial statements may differ from the value ultimately realized upon sale or maturity.

Investment Transactions, Investment Income, and Distributions Investment transactions are accounted for on the trade date basis. Income and expenses are recorded on the accrual basis. Realized gains and losses are reported on the identified cost basis. Premiums and discounts on debt securities are amortized for financial reporting purposes. Paydown gains and losses are recorded as an adjustment to interest income. Income tax-related interest and penalties, if incurred, are recorded as income tax expense. Dividends received from other investment companies are reflected as dividend income; capital gain distributions are reflected as realized gain/ loss. Dividend income and capital gain distributions are recorded on the ex-dividend date. Non-cash dividends, if any, are recorded at the fair market value of the asset received. Distributions to shareholders are recorded on the ex-dividend date. Income distributions, if any, are declared by each class daily and paid monthly. A capital gain distribution, if any, may also be declared and paid by the fund annually.

Class Accounting Investment income and investment management and administrative expense are allocated to the classes based upon the relative daily net assets of each class's settled shares; realized and unrealized gains and losses are allocated based upon the relative daily net assets of each class's outstanding shares. Limited-Term Bond Portfolio–II Class pays Rule 12b-1 fees, in an amount not exceeding 0.25% of the class's average daily net assets.

Capital Transactions Each investor's interest in the net assets of the fund is represented by fund shares. The fund's net asset value (NAV) per share is computed at the close of the New York Stock Exchange (NYSE), normally 4 p.m. ET, each day the NYSE is open for business. However, the NAV per share may be calculated at a time other than the normal close of the NYSE if trading on the NYSE is restricted, if the NYSE closes earlier, or as may be permitted by the SEC. Purchases and redemptions of fund shares are transacted at the next-computed NAV per share, after receipt of the transaction order by T. Rowe Price Associates, Inc., or its agents.

New Accounting Guidance The FASB issued Accounting Standards Update (ASU), ASU 2020–04, Reference Rate Reform (Topic 848) – Facilitation of the Effects of Reference Rate Reform on Financial Reporting in March 2020 and ASU 2021-01 in January 2021 which provided further amendments and clarifications to Topic 848. These ASUs provide optional, temporary relief with respect to the financial reporting of contracts subject to certain types of modifications due to the planned discontinuation of the London Interbank Offered Rate (LIBOR), and other interbank-offered based reference rates, through December 31, 2022. In December 2022, FASB issued ASU 2022-06 which defers the sunset date of Topic 848 from December 31, 2022 to December 31, 2024, after which entities will no longer be permitted to apply the relief in Topic 848. Management intends to rely upon the relief provided under Topic 848, which is not expected to have a material impact on the fund's financial statements.

**Indemnification** In the normal course of business, the fund may provide indemnification in connection with its officers and directors, service providers, and/or private company investments. The fund's maximum exposure under these arrangements is unknown; however, the risk of material loss is currently considered to be remote.

#### **NOTE 2 - VALUATION**

Fair Value The fund's financial instruments are valued at the close of the NYSE and are reported at fair value, which GAAP defines as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fund's Board of Directors (the Board) has designated T. Rowe Price Associates, Inc. as the fund's valuation designee (Valuation Designee). Subject to oversight by the Board, the Valuation Designee performs the following functions in performing fair value determinations: assesses and manages valuation risks; establishes and applies fair value methodologies; tests fair value methodologies; and evaluates pricing vendors and pricing agents. The duties and responsibilities of the Valuation Designee are performed by its Valuation Committee. The Valuation Designee provides periodic reporting to the Board on valuation matters.

Various valuation techniques and inputs are used to determine the fair value of financial instruments. GAAP establishes the following fair value hierarchy that categorizes the inputs used to measure fair value:

Level 1 - quoted prices (unadjusted) in active markets for identical financial instruments that the fund can access at the reporting date

Level 2 – inputs other than Level 1 quoted prices that are observable, either directly or indirectly (including, but not limited to, quoted prices for similar financial instruments in active markets, quoted prices for identical or similar financial instruments in inactive markets, interest rates and yield curves, implied volatilities, and credit spreads)

Level 3 – unobservable inputs (including the Valuation Designee's assumptions in determining fair value)

Observable inputs are developed using market data, such as publicly available information about actual events or transactions, and reflect the assumptions that market participants would use to price the financial instrument. Unobservable inputs are those for which market data are not available and are developed using the best information available about the assumptions that market participants would use to price the financial instrument. GAAP requires valuation techniques to maximize the use of relevant observable inputs and minimize the use of unobservable inputs. When multiple inputs are used to derive fair value, the financial instrument is assigned to the level within the fair value hierarchy based on the lowest-level input that is significant to the fair value of the financial instrument. Input levels are not necessarily an indication of the risk or liquidity associated with financial instruments at that level but rather the degree of judgment used in determining those values.

**Valuation Techniques** Debt securities generally are traded in the over-the-counter (OTC) market and are valued at prices furnished by independent pricing services or by broker dealers who make markets in such securities. When valuing securities, the independent pricing services consider factors such as, but not limited to, the yield or price of bonds of comparable quality, coupon, maturity, and type, as well as prices quoted by dealers who make markets in such securities.

Investments in mutual funds are valued at the mutual fund's closing NAV per share on the day of valuation. Futures contracts are valued at closing settlement prices. Swaps are valued at prices furnished by an independent pricing service or independent swap dealers. Assets and liabilities other than financial instruments, including short-term receivables and payables, are carried at cost, or estimated realizable value, if less, which approximates fair value.

Investments for which market quotations are not readily available or deemed unreliable are valued at fair value as determined in good faith by the Valuation Designee. The Valuation Designee has adopted methodologies for determining the fair value of investments for which market quotations are not readily available or deemed unreliable, including the use of other pricing sources. Factors used in determining fair value vary by type of investment and may include market or investment specific considerations. The Valuation Designee typically will afford greatest weight to actual prices in arm's length transactions, to the extent they represent orderly transactions between market participants, transaction information can be reliably obtained, and prices are deemed representative of fair value. However, the Valuation Designee may also consider other valuation methods such as market-based valuation multiples; a discount or premium from market value of a similar, freely traded security of the same issuer; discounted cash flows; yield to maturity; or some combination. Fair value determinations are reviewed on a regular basis. Because any fair value determination involves a significant amount of judgment, there is a degree of subjectivity inherent in such pricing decisions. Fair value prices determined by the Valuation Designee could differ from those of other market participants, and it is possible that the fair value determined for a security may be materially different from the value that could be realized upon the sale of that security.

**Valuation Inputs** The following table summarizes the fund's financial instruments, based on the inputs used to determine their fair values on December 31, 2023 (for further detail by category, please refer to the accompanying Portfolio of Investments):

(\$000s)	Level 1	Level 2	Level 3	Total Value
Assets				
Fixed Income Securities <sup>1</sup>	\$ - \$	181,552 \$	- \$	181,552
Short-Term Investments	3,381	982	_	4,363
Securities Lending Collateral	55	_	_	55
Total Securities	 3,436	182,534	_	185,970
Swaps	_	15	_	15
Futures Contracts*	 417	_	_	417
Total	\$ 3,853 \$	182,549 \$	- \$	186,402
Liabilities				
Swaps	\$ - \$	30 \$	- \$	30
Futures Contracts*	 410	_	_	410
Total	\$ 410 \$	30 \$	- \$	440

<sup>&</sup>lt;sup>1</sup> Includes Asset-Backed Securities, Corporate Bonds, Foreign Government Obligations & Municipalities, Municipal Securities, Non-U.S. Government Mortgage-Backed Securities and U.S. Government Agency Obligations (Excluding Mortgage-Backed).

### **NOTE 3 - DERIVATIVE INSTRUMENTS**

During the year ended December 31, 2023, the fund invested in derivative instruments. As defined by GAAP, a derivative is a financial instrument whose value is derived from an underlying security price, foreign exchange rate, interest rate, index of prices or rates, or other variable; it requires little or no initial investment and permits or requires net settlement. The fund invests in derivatives only if the expected risks and rewards are consistent with its investment objectives, policies, and overall risk profile, as described in its prospectus and Statement of Additional Information. The fund may use derivatives for a variety of purposes and may use them to establish both long and short positions within the fund's portfolio. Potential uses include to hedge against declines in principal value, increase yield, invest in an asset with greater efficiency and at a lower cost than is possible through direct investment, to enhance return, or to adjust portfolio duration and credit exposure. The risks associated with the use of derivatives are different from, and potentially much greater than, the risks associated with investing directly in the instruments on which the derivatives are based.

The fund values its derivatives at fair value and recognizes changes in fair value currently in its results of operations. Accordingly, the fund does not follow hedge accounting, even for derivatives employed as economic hedges. Generally, the fund accounts for its derivatives on a gross basis. It does not offset the fair value of derivative liabilities against the fair value of derivative assets on its financial statements, nor does it offset the fair value of derivative instruments against the right to reclaim or obligation to return collateral. The following table summarizes the fair value of the fund's derivative instruments held as of December 31, 2023, and the related location on the accompanying Statement of Assets and Liabilities, presented by primary underlying risk exposure:

<sup>\*</sup> The fair value presented includes cumulative gain (loss) on open futures contracts; however, the net value reflected on the accompanying Portfolio of Investments is only the unsettled variation margin receivable (payable) at that date.

(\$000s)	Location on Statement of Assets and Liabilities	Fair Value*	
Assets			
Interest rate derivatives	Futures	\$ 417	
Credit derivatives	Bilateral Swaps and Premiums	 15	
Total		\$ 432	
Liabilities			
Interest rate derivatives	Futures	\$ 410	
Credit derivatives	Bilateral Swaps and Premiums	 30	
Total		\$ 440	

<sup>\*</sup> The fair value presented includes cumulative gain (loss) on open futures contracts; however, the value reflected on the accompanying Statement of Assets and Liabilities is only the unsettled variation margin receivable (payable) at that date.

Additionally, the amount of gains and losses on derivative instruments recognized in fund earnings during the year ended December 31, 2023, and the related location on the accompanying Statement of Operations is summarized in the following table by primary underlying risk exposure:

(\$000s)	Location of Gain (Loss) on Statement of Operations				
		Options Written	Futures	Swaps	Total
Realized Gain (Loss)					
Interest rate derivatives		\$ 9	\$ (446)	\$ _	\$ (437)
Credit derivatives		 _	 _	(34)	(34)
Total		\$ 9	\$ (446)	\$ (34)	\$ (471)
Change in Unrealized Gain (Loss)					
Interest rate derivatives		\$ _	\$ (36)	\$ _	\$ (36)
Credit derivatives		 _	 _	(63)	(63)
Total		\$ _	\$ (36)	\$ (63)	\$ (99)

Counterparty Risk and Collateral The fund invests in derivatives in various markets, which expose it to differing levels of counterparty risk. Counterparty risk on exchange-traded and centrally cleared derivative contracts, such as futures, exchange-traded options, and centrally cleared swaps, is minimal because the clearinghouse provides protection against counterparty defaults. For futures and centrally cleared swaps, the fund is required to deposit collateral in an amount specified by the clearinghouse and the clearing firm (margin requirement), and the margin requirement must be maintained over the life of the contract. Each clearinghouse and clearing firm, in its sole discretion, may adjust the margin requirements applicable to the fund.

Derivatives, such as non-cleared bilateral swaps, forward currency exchange contracts, and OTC options, that are transacted and settle directly with a counterparty (bilateral derivatives) may expose the fund to greater counterparty risk. To mitigate this risk, the fund has entered into master netting arrangements (MNAs) with certain counterparties that permit net settlement under specified conditions

and, for certain counterparties, also require the exchange of collateral to cover mark-to-market exposure. MNAs may be in the form of International Swaps and Derivatives Association master agreements (ISDAs) or foreign exchange letter agreements (FX letters).

MNAs provide the ability to offset amounts the fund owes a counterparty against amounts the counterparty owes the fund (net settlement). Both ISDAs and FX letters generally allow termination of transactions and net settlement upon the occurrence of contractually specified events, such as failure to pay or bankruptcy. In addition, ISDAs specify other events, the occurrence of which would allow one of the parties to terminate. For example, a downgrade in credit rating of a counterparty below a specified rating would allow the fund to terminate, while a decline in the fund's net assets of more than a specified percentage would allow the counterparty to terminate. Upon termination, all transactions with that counterparty would be liquidated and a net termination amount settled. ISDAs typically include collateral agreements whereas FX letters do not. Collateral requirements are determined daily based on the net aggregate unrealized gain or loss on all bilateral derivatives with a counterparty, subject to minimum transfer amounts that typically range from \$100,000 to \$250,000. Any additional collateral required due to changes in security values is typically transferred the next business day.

Collateral may be in the form of cash or debt securities issued by the U.S. government or related agencies, although other securities may be used depending on the terms outlined in the applicable MNA. Cash posted by the fund is reflected as cash deposits in the accompanying financial statements and generally is restricted from withdrawal by the fund; securities posted by the fund are so noted in the accompanying Portfolio of Investments; both remain in the fund's assets. Collateral pledged by counterparties is not included in the fund's assets because the fund does not obtain effective control over those assets. For bilateral derivatives, collateral posted or received by the fund is held in a segregated account at the fund's custodian. While typically not sold in the same manner as equity or fixed income securities, exchange-traded or centrally cleared derivatives may be closed out only on the exchange or clearinghouse where the contracts were cleared, and OTC and bilateral derivatives may be unwound with counterparties or transactions assigned to other counterparties to allow the fund to exit the transaction. This ability is subject to the liquidity of underlying positions. As of December 31, 2023, no collateral was pledged by either the fund or counterparties for bilateral derivatives. As of December 31, 2023, securities valued at \$279,000 had been posted by the fund for exchange-traded and/or centrally cleared derivatives.

Futures Contracts The fund is subject to interest rate risk in the normal course of pursuing its investment objectives and uses futures contracts to help manage such risk. The fund may enter into futures contracts to manage exposure to interest rate and yield curve movements, security prices, foreign currencies, credit quality, and mortgage prepayments; as an efficient means of adjusting exposure to all or part of a target market; to enhance income; as a cash management tool; or to adjust portfolio duration and credit exposure. A futures contract provides for the future sale by one party and purchase by another of a specified amount of a specific underlying financial instrument at an agreed-upon price, date, time, and place. The fund currently invests only in exchange-traded futures, which generally are standardized as to maturity date, underlying financial instrument, and other contract terms. Payments are made or received by the fund each day to settle daily fluctuations in the value of the contract (variation margin), which reflect changes in the value of the underlying financial instrument. Variation margin is recorded as unrealized gain or loss until the contract is closed. The value of a futures contract included in net assets is the amount of unsettled variation margin; net variation margin receivable is reflected as an asset and net variation margin payable is reflected as a liability on the accompanying Statement of Assets and Liabilities. When a contract is closed, a realized gain or loss is recorded on the accompanying Statement of Operations. Risks related to the use of futures contracts include possible illiquidity of the futures markets, contract prices that can be highly volatile and imperfectly correlated to movements in hedged security values and/or interest rates, and potential losses in excess of the fund's initial investment. During the year ended December 31, 2023, the volume of the fund's activity in futures, based on underlying notional amounts, was generally between 23% and 30% of net assets.

Options The fund is subject to interest rate risk in the normal course of pursuing its investment objectives and uses options to help manage such risk. The fund may use options to manage exposure to security prices, interest rates, foreign currencies, and credit quality; as an efficient means of adjusting exposure to all or a part of a target market; to enhance income; as a cash management tool; or to adjust credit exposure. The fund may buy or sell options that can be settled either directly with the counterparty (OTC option) or through a central clearinghouse (exchange-traded option). Options are included in net assets at fair value, options purchased are included in Investments in Securities, and options written are separately reflected as a liability on the accompanying Statement of Assets and Liabilities. Premiums on unexercised, expired options are recorded as realized gains or losses on the accompanying Statement of Operations; premiums on exercised options are recorded as an adjustment to the proceeds from the sale or cost of the purchase. The difference between the premium and the amount received or paid in a closing transaction is also treated as realized gain or loss on the accompanying Statement of Operations. In return for a premium paid, call and put options on futures give the holder the right, but

not the obligation, to purchase or sell, respectively, a position in a particular futures contract at a specified exercise price. Risks related to the use of options include possible illiquidity of the options markets; trading restrictions imposed by an exchange or counterparty; possible failure of counterparties to meet the terms of the agreements; movements in the underlying asset values and interest rates; and, for options written, the potential for losses to exceed any premium received by the fund. During the year ended December 31, 2023, the volume of the fund's activity in options, based on underlying notional amounts, was generally less than 1% of net assets.

Swaps The fund is subject to credit risk in the normal course of pursuing its investment objectives and uses swap contracts to help manage such risk. The fund may use swaps in an effort to manage both long and short exposure to changes in interest rates, inflation rates, and credit quality; to adjust overall exposure to certain markets; to enhance total return or protect the value of portfolio securities; to serve as a cash management tool; or to adjust portfolio duration and credit exposure. Swap agreements can be settled either directly with the counterparty (bilateral swap) or through a central clearinghouse (centrally cleared swap). Fluctuations in the fair value of a contract are reflected in unrealized gain or loss and are reclassified to realized gain or loss on the accompanying Statement of Operations upon contract termination or cash settlement. Net periodic receipts or payments required by a contract increase or decrease, respectively, the value of the contract until the contractual payment date, at which time such amounts are reclassified from unrealized to realized gain or loss on the accompanying Statement of Operations. For bilateral swaps, cash payments are made or received by the fund on a periodic basis in accordance with contract terms; unrealized gain on contracts and premiums paid are reflected as assets and unrealized loss on contracts and premiums received are reflected as liabilities on the accompanying Statement of Assets and Liabilities. For bilateral swaps, premiums paid or received are amortized over the life of the swap and are recognized as realized gain or loss on the accompanying Statement of Operations. For centrally cleared swaps, payments are made or received by the fund each day to settle the daily fluctuation in the value of the contract (variation margin). Accordingly, the value of a centrally cleared swap included in net assets is the unsettled variation margin; net variation margin receivable is reflected as an asset and net variation margin payable is reflected as a liability on the accompanying Statement of Assets and Liabilities.

Credit default swaps are agreements where one party (the protection buyer) agrees to make periodic payments to another party (the protection seller) in exchange for protection against specified credit events, such as certain defaults and bankruptcies related to an underlying credit instrument, or issuer or index of such instruments. Upon occurrence of a specified credit event, the protection seller is required to pay the buyer the difference between the notional amount of the swap and the value of the underlying credit, either in the form of a net cash settlement or by paying the gross notional amount and accepting delivery of the relevant underlying credit. For credit default swaps where the underlying credit is an index, a specified credit event may affect all or individual underlying securities included in the index and will be settled based upon the relative weighting of the affected underlying security(ies) within the index. Risks related to the use of credit default swaps include the possible inability of the fund to accurately assess the current and future creditworthiness of underlying issuers, the possible failure of a counterparty to perform in accordance with the terms of the swap agreements, potential government regulation that could adversely affect the fund's swap investments, and potential losses in excess of the fund's initial investment.

During the year ended December 31, 2023, the volume of the fund's activity in swaps, based on underlying notional amounts, was generally between 1% and 6% of net assets.

### **NOTE 4 - OTHER INVESTMENT TRANSACTIONS**

Consistent with its investment objective, the fund engages in the following practices to manage exposure to certain risks and/or to enhance performance. The investment objective, policies, program, and risk factors of the fund are described more fully in the fund's prospectus and Statement of Additional Information.

**Restricted Securities** The fund invests in securities that are subject to legal or contractual restrictions on resale. Prompt sale of such securities at an acceptable price may be difficult and may involve substantial delays and additional costs.

Collateralized Loan Obligations The fund invests in collateralized loan obligations (CLOs) which are entities backed by a diversified pool of syndicated bank loans. The cash flows of the CLO can be split into multiple segments, called "tranches" or "classes", which will vary in risk profile and yield. The riskiest segments, which are the subordinate or "equity" tranches, bear the greatest risk of loss from defaults in the underlying assets of the CLO and serve to protect the other, more senior, tranches. Senior tranches will typically have higher credit ratings and lower yields than the securities underlying the CLO. Despite the protection from the more junior tranches, senior tranches can experience substantial losses.

Mortgage-Backed Securities The fund invests in mortgage-backed securities (MBS or pass-through certificates) that represent an interest in a pool of specific underlying mortgage loans and entitle the fund to the periodic payments of principal and interest from those mortgages. MBS may be issued by government agencies or corporations, or private issuers. Most MBS issued by government agencies are guaranteed; however, the degree of protection differs based on the issuer. MBS are sensitive to changes in economic conditions that affect the rate of prepayments and defaults on the underlying mortgages; accordingly, the value, income, and related cash flows from MBS may be more volatile than other debt instruments.

TBA Purchase, Sale Commitments and Forward Settling Mortgage Obligations The fund enters into to-be-announced (TBA) purchase or sale commitments (collectively, TBA transactions), pursuant to which it agrees to purchase or sell, respectively, mortgage-backed securities for a fixed unit price, with payment and delivery at a scheduled future date beyond the customary settlement period for such securities. With TBA transactions, the particular securities to be received or delivered by the fund are not identified at the trade date; however, the securities must meet specified terms, including rate and mortgage term, and be within industry-accepted "good delivery" standards. The fund may enter into TBA transactions with the intention of taking possession of or relinquishing the underlying securities, may elect to extend the settlement by "rolling" the transaction, and/or may use TBA transactions to gain or reduce interim exposure to underlying securities.

To mitigate counterparty risk, the fund has entered into Master Securities Forward Transaction Agreements (MSFTA) with counterparties that provide for collateral and the right to offset amounts due to or from those counterparties under specified conditions. Subject to minimum transfer amounts, collateral requirements are determined and transfers made based on the net aggregate unrealized gain or loss on all TBA commitments and other forward settling mortgage obligations with a particular counterparty (collectively, MSFTA Transactions). At any time, the fund's risk of loss from a particular counterparty related to its MSFTA Transactions is the aggregate unrealized gain on appreciated MSFTA Transactions in excess of unrealized loss on depreciated MSFTA Transactions and collateral received, if any, from such counterparty. As of December 31, 2023, no collateral was pledged by the fund or counterparties for MSFTA Transactions.

Securities Lending The fund may lend its securities to approved borrowers to earn additional income. Its securities lending activities are administered by a lending agent in accordance with a securities lending agreement. Security loans generally do not have stated maturity dates, and the fund may recall a security at any time. The fund receives collateral in the form of cash or U.S. government securities. Collateral is maintained over the life of the loan in an amount not less than the value of loaned securities; any additional collateral required due to changes in security values is delivered to the fund the next business day. Cash collateral is invested in accordance with investment guidelines approved by fund management. Additionally, the lending agent indemnifies the fund against losses resulting from borrower default. Although risk is mitigated by the collateral and indemnification, the fund could experience a delay in recovering its securities and a possible loss of income or value if the borrower fails to return the securities, collateral investments decline in value, and the lending agent fails to perform. Securities lending revenue consists of earnings on invested collateral and borrowing fees, net of any rebates to the borrower, compensation to the lending agent, and other administrative costs. In accordance with GAAP, investments made with cash collateral are reflected in the accompanying financial statements, but collateral received in the form of securities is not. At December 31, 2023, the value of loaned securities was \$54,000; the value of cash collateral and related investments was \$55,000.

**Other** Purchases and sales of portfolio securities other than in-kind transactions, if any, short-term and U.S. government securities aggregated \$49,084,000 and \$51,449,000, respectively, for the year ended December 31, 2023. Purchases and sales of U.S. government securities aggregated \$79,993,000 and \$76,714,000, respectively, for the year ended December 31, 2023.

### **NOTE 5 - FEDERAL INCOME TAXES**

Generally, no provision for federal income taxes is required since the fund intends to continue to qualify as a regulated investment company under Subchapter M of the Internal Revenue Code and distribute to shareholders all of its taxable income and gains. Distributions determined in accordance with federal income tax regulations may differ in amount or character from net investment income and realized gains for financial reporting purposes.

The fund files U.S. federal, state, and local tax returns as required. The fund's tax returns are subject to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return but

which can be extended to six years in certain circumstances. Tax returns for open years have incorporated no uncertain tax positions that require a provision for income taxes.

Capital accounts within the financial reporting records are adjusted for permanent book/tax differences to reflect tax character but are not adjusted for temporary differences. The permanent book/tax adjustments, if any, have no impact on results of operations or net assets.

The tax character of distributions paid for the periods presented was as follows:

	December 31, 2023	December 31, 2022
dinary income (including short-term capital gains, if any)	\$ 5,909	\$ 3,524
term capital gain		217
distributions	\$ 5,909	\$ 3,741

At December 31, 2023, the tax-basis cost of investments (including derivatives, if any) and gross unrealized appreciation and depreciation were as follows:

(\$000s)		
Cost of investments	\$	189,055
Unrealized appreciation	\$	1,037
Unrealized depreciation	Ψ	(4,081)
Net unrealized appreciation (depreciation)	\$	(3,044)
At December 31, 2023, the tax-basis components of accumulated net earnings (loss) were as follows:  (\$000s)		
Undistributed ordinary income	\$	82
Net unrealized appreciation (depreciation)		(3,044)
Loss carryforwards and deferrals		(6,026)
Total distributable earnings (loss)	\$	(8,988)

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement purposes versus for tax purposes; these differences will reverse in a subsequent reporting period. The temporary differences relate primarily to the deferral of losses from wash sales and the realization of gains/losses on certain open derivative contracts. The loss carryforwards and deferrals primarily relate to capital loss carryforwards and straddle deferrals. Capital loss carryforwards are available indefinitely to offset future realized capital gains.

#### **NOTE 6 - RELATED PARTY TRANSACTIONS**

The fund is managed by T. Rowe Price Associates, Inc. (Price Associates), a wholly owned subsidiary of T. Rowe Price Group, Inc. (Price Group). Price Associates has entered into a sub-advisory agreement(s) with one or more of its wholly owned subsidiaries, to provide investment advisory services to the fund. The investment management and administrative agreement between the fund and Price Associates provides for an all-inclusive annual fee equal to 0.70% of the fund's average daily net assets. The fee is computed daily and paid monthly. The all-inclusive fee covers investment management services and ordinary, recurring operating expenses but does not cover interest expense; expenses related to borrowing, taxes, and brokerage; or nonrecurring, extraordinary expenses. Effective July 1, 2018, Price Associates has contractually agreed, at least through April 30, 2024 to waive a portion of its management fee in order

to limit the fund's management fee to 0.50% of the fund's average daily net assets. Thereafter, this agreement automatically renews for one-year terms unless terminated or modified by the fund's Board. Fees waived and expenses paid under this agreement are not subject to reimbursement to Price Associates by the fund. The total management fees waived were \$358,000 and allocated ratably in the amounts of \$325,000 and \$33,000 for the Limited-Term Bond Portfolio Class and Limited-Term Bond Portfolio-II Class, respectively, for the year ended December 31, 2023.

In addition, the fund has entered into service agreements with Price Associates and a wholly owned subsidiary of Price Associates, each an affiliate of the fund. Price Associates provides certain accounting and administrative services to the funds. T. Rowe Price Services, Inc. provides shareholder and administrative services in its capacity as the fund's transfer and dividend-disbursing agent. Pursuant to the all-inclusive fee arrangement under the investment management and administrative agreement, expenses incurred by the funds pursuant to these service agreements are paid by Price Associates.

T. Rowe Price Investment Services, Inc. (Investment Services) serves as distributor to the fund. Pursuant to an underwriting agreement, no compensation for any distribution services provided is paid to Investment Services by the fund (except for 12b-1 fees under a Boardapproved Rule 12b-1 plan).

The fund may invest its cash reserves in certain open-end management investment companies managed by Price Associates and considered affiliates of the fund: the T. Rowe Price Government Reserve Fund or the T. Rowe Price Treasury Reserve Fund, organized as money market funds (together, the Price Reserve Funds). The Price Reserve Funds are offered as short-term investment options to mutual funds, trusts, and other accounts managed by Price Associates or its affiliates and are not available for direct purchase by members of the public. Cash collateral from securities lending, if any, is invested in the T. Rowe Price Government Reserve Fund. The Price Reserve Funds pay no investment management fees.

The fund may participate in securities purchase and sale transactions with other funds or accounts advised by Price Associates (cross trades), in accordance with procedures adopted by the fund's Board and Securities and Exchange Commission rules, which require, among other things, that such purchase and sale cross trades be effected at the independent current market price of the security. During the year ended December 31, 2023, the fund had no purchases or sales cross trades with other funds or accounts advised by Price Associates.

#### **NOTE 7 - OTHER MATTERS**

Unpredictable events such as environmental or natural disasters, war and conflict, terrorism, geopolitical events, and public health epidemics and similar public health threats may significantly affect the economy and the markets and issuers in which the fund invests. Certain events may cause instability across global markets, including reduced liquidity and disruptions in trading markets, while some events may affect certain geographic regions, countries, sectors, and industries more significantly than others, and exacerbate other pre-existing political, social, and economic risks.

The global outbreak of COVID-19 and the related governmental and public responses have led and may continue to lead to increased market volatility and the potential for illiquidity in certain classes of securities and sectors of the market either in specific countries or worldwide.

In February 2022, Russian forces entered Ukraine and commenced an armed conflict, leading to economic sanctions imposed on Russia that target certain of its citizens and issuers and sectors of the Russian economy, creating impacts on Russian-related stocks and debt and greater volatility in global markets.

In March 2023, the banking industry experienced heightened volatility, which sparked concerns of potential broader adverse market conditions. The extent of impact of these events on the US and global markets is highly uncertain.

These are recent examples of global events which may have a negative impact on the values of certain portfolio holdings or the fund's overall performance. Management is actively monitoring the risks and financial impacts arising from these events.

#### **NOTE 8 - SUBSEQUENT EVENT**

At a meeting held on October 23, 2023, the Board approved an amendment to the fund's investment management agreement to change the fund's all-inclusive fee structure to one where the management fee covers only investment management and other specified services, but operating expenses (including payments for administrative services) are borne by the fund, effective May 1, 2024.

In addition, effective May 1, 2024, the Board approved implementing an indefinite contractual total expense limitation at the level of the fund's current all-inclusive fee rate (including any management fee waivers), excluding interest, taxes, brokerage and other transaction costs, and nonrecurring and extraordinary expenses (expenses currently excluded from the fund's all-inclusive fee rate).

#### Report of Independent Registered Public Accounting Firm

To the Board of Directors of T. Rowe Price Fixed Income Series, Inc. and Shareholders of T. Rowe Price Limited-Term Bond Portfolio

#### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the portfolio of investments, of T. Rowe Price Limited-Term Bond Portfolio (constituting T. Rowe Price Fixed Income Series, Inc., referred to hereafter as the "Fund") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Fund as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

#### **Basis for Opinion**

These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on the Fund's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Fund in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodians, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/ PricewaterhouseCoopers LLP

Baltimore, Maryland February 12, 2024

We have served as the auditor of one or more investment companies in the T. Rowe Price group of investment companies since 1973.

### TAX INFORMATION (UNAUDITED) FOR THE TAX YEAR ENDED 12/31/23

We are providing this information as required by the Internal Revenue Code. The amounts shown may differ from those elsewhere in this report because of differences between tax and financial reporting requirements.

For shareholders subject to interest expense deduction limitation under Section 163(j), \$5,212,000 of the fund's income qualifies as a Section 163(j) interest dividend and can be treated as interest income for purposes of Section 163(j), subject to holding period requirements and other limitations.

#### INFORMATION ON PROXY VOTING POLICIES, PROCEDURES, AND RECORDS

A description of the policies and procedures used by T. Rowe Price funds to determine how to vote proxies relating to portfolio securities is available in each fund's Statement of Additional Information. You may request this document by calling 1-800-225-5132 or by accessing the SEC's website, sec.gov.

The description of our proxy voting policies and procedures is also available on our corporate website. To access it, please visit the following Web page:

https://www.troweprice.com/corporate/us/en/utility/policies.html

Scroll down to the section near the bottom of the page that says, "Proxy Voting Guidelines." Click on the links in the shaded box.

Each fund's most recent annual proxy voting record is available on our website and through the SEC's website. To access it through T. Rowe Price, visit the website location shown above, and scroll down to the section near the bottom of the page that says, "Proxy Voting Records." Click on the Proxy Voting Records link in the shaded box.

#### **HOW TO OBTAIN QUARTERLY PORTFOLIO HOLDINGS**

The fund files a complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's reports on Form N-PORT are available electronically on the SEC's website (sec.gov). In addition, most T. Rowe Price funds disclose their first and third fiscal quarter-end holdings on **troweprice.com**.

#### TAILORED SHAREHOLDER REPORTS FOR MUTUAL FUNDS AND EXCHANGE TRADED FUNDS

In October 2022, the Securities and Exchange Commission (SEC) adopted rule and form amendments requiring Mutual Funds and Exchange-Traded Funds to transmit concise and visually engaging streamlined annual and semiannual reports that highlight key information to shareholders. Other information, including financial statements, will no longer appear in the funds' shareholder reports but will be available online, delivered free of charge upon request, and filed on a semiannual basis on Form N-CSR. The rule and form amendments have a compliance date of July 24, 2024.

#### LIQUIDITY RISK MANAGEMENT PROGRAM

In accordance with Rule 22e-4 (Liquidity Rule) under the Investment Company Act of 1940, as amended, the fund has established a liquidity risk management program (Liquidity Program) reasonably designed to assess and manage the fund's liquidity risk, which generally represents the risk that the fund would not be able to meet redemption requests without significant dilution of remaining investors' interests in the fund. The fund's Board of Directors (Board) has appointed the fund's investment adviser, T. Rowe Price Associates, Inc. (Adviser), as the administrator of the Liquidity Program. As administrator, the Adviser is responsible for overseeing the day-to-day operations of the Liquidity Program and, among other things, is responsible for assessing, managing, and reviewing with the Board at least annually the liquidity risk of each T. Rowe Price fund. The Adviser has delegated oversight of the Liquidity Program to a Liquidity Risk Committee (LRC), which is a crossfunctional committee composed of personnel from multiple departments within the Adviser.

The Liquidity Program's principal objectives include supporting the T. Rowe Price funds' compliance with limits on investments in illiquid assets and mitigating the risk that the fund will be unable to timely meet its redemption obligations. The Liquidity Program also includes a number of elements that support the management and assessment of liquidity risk, including an annual assessment of factors that influence the fund's liquidity and the periodic classification and reclassification of a fund's investments into categories that reflect the LRC's assessment of their relative liquidity under current market conditions. Under the Liquidity Program, every investment held by the fund is classified at least monthly into one of four liquidity categories based on estimations of the investment's ability to be sold during designated time frames in current market conditions without significantly changing the investment's market value.

As required by the Liquidity Rule, at a meeting held on July 24, 2023, the Board was presented with an annual assessment that was prepared by the LRC on behalf of the Adviser and addressed the operation of the Liquidity Program and assessed its adequacy and effectiveness of implementation, including any material changes to the Liquidity Program and the determination of each fund's Highly Liquid Investment Minimum (HLIM). The annual assessment included consideration of the following factors, as applicable: the fund's investment strategy and liquidity of portfolio investments during normal and reasonably foreseeable stressed conditions, including whether the investment strategy is appropriate for an open-end fund, the extent to which the strategy involves a relatively concentrated portfolio or large positions in particular issuers, and the use of borrowings for investment purposes and derivatives; short-term and long-term cash flow projections covering both normal and reasonably foreseeable stressed conditions; and holdings of cash and cash equivalents, as well as available borrowing arrangements.

For the fund and other T. Rowe Price funds, the annual assessment incorporated a report related to a fund's holdings, shareholder and portfolio concentration, any borrowings during the period, cash flow projections, and other relevant data for the period of April 1, 2022, through March 31, 2023. The report described the methodology for classifying a fund's investments (including any derivative transactions) into one of four liquidity categories, as well as the percentage of a fund's investments assigned to each category. It also explained the methodology for establishing a fund's HLIM and noted that the LRC reviews the HLIM assigned to each fund no less frequently than annually.

During the period covered by the annual assessment, the LRC has concluded, and reported to the Board, that the Liquidity Program continues to operate adequately and effectively and is reasonably designed to assess and manage the fund's liquidity risk.

#### **ABOUT THE PORTFOLIO'S DIRECTORS AND OFFICERS**

Your fund is overseen by a Board of Directors (Board) that meets regularly to review a wide variety of matters affecting or potentially affecting the fund, including performance, investment programs, compliance matters, advisory fees and expenses, service providers, and business and regulatory affairs. The Board elects the fund's officers, who are listed in the final table. The directors who are also employees or officers of T. Rowe Price are considered to be "interested" directors as defined in Section 2(a)(19) of the 1940 Act because of their relationships with T. Rowe Price Associates, Inc. (T. Rowe Price), and its affiliates. The business address of each director and officer is 100 East Pratt Street, Baltimore, Maryland 21202. The Statement of Additional Information includes additional information about the fund directors and is available without charge by calling a T. Rowe Price representative at 1-800-638-5660.

#### INDEPENDENT DIRECTORS(a)

Name (Year of Birth) Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
Teresa Bryce Bazemore (1959) 2018 [209]	President and Chief Executive Officer, Federal Home Loan Bank of San Francisco (2021 to present); Chief Executive Officer, Bazemore Consulting LLC (2018 to 2021); Director, Chimera Investment Corporation (2017 to 2021); Director, First Industrial Realty Trust (2020 to present); Director, Federal Home Loan Bank of Pittsburgh (2017 to 2019)
Melody Bianchetto (1966) 2023 [209]	Vice President for Finance, University of Virginia (2015 to 2023)
Bruce W. Duncan (1951) 2013 [209]	President, Chief Executive Officer, and Director, CyrusOne, Inc. (2020 to 2021); Chair of the Board (2016 to 2020) and President (2009 to 2016), First Industrial Realty Trust, owner and operator of industrial properties; Member, Investment Company Institute Board of Governors (2017 to 2019); Member, Independent Directors Council Governing Board (2017 to 2019); Senior Advisor, KKR (2018 to 2022); Director, Boston Properties (2016 to present); Director, Marriott International, Inc. (2016 to 2020)
Robert J. Gerrard, Jr. (1952) 2013 [209]	Chair of the Board, all funds (July 2018 to present)
Paul F. McBride (1956) 2013 [209]	Advisory Board Member, Vizzia Technologies (2015 to present); Board Member, Dunbar Armored (2012 to 2018)
Mark J. Parrell (1966) 2023 [209]	Board of Trustees Member and Chief Executive Officer (2019 to present), President (2018 to present), Executive Vice President and Chief Financial Officer (2007 to 2018), and Senior Vice President and Treasurer (2005 to 2007), EQR; Member, Nareit Dividends Through Diversity, Equity & Inclusion CEO Council and Chair, Nareit 2021 Audit and Investment Committee (2021); Advisory Board, Ross Business School at University of Michigan (2015 to 2016); Member, National Multifamily Housing Council and served as Chair of the Finance Committee (2015 to 2016); Member, Economic Club of Chicago; Director, Brookdale Senior Living, Inc. (2015 to 2017); Director, Aviv REIT, Inc. (2013 to 2015); Director, Real Estate Roundtable and the 2022 Executive Board Nareit; Board of Directors and Chair of the Finance Committee, Greater Chicago Food Depository
Kellye L. Walker (1966) 2021 [209]	Executive Vice President and Chief Legal Officer, Eastman Chemical Company (April 2020 to present); Executive Vice President and Chief Legal Officer, Huntington Ingalls Industries, Inc. (January 2015 to March 2020); Director, Lincoln Electric Company (October 2020 to present)

<sup>(</sup>a) All information about the independent directors was current as of December 31, 2022, unless otherwise indicated, except for the number of portfolios overseen, which is current as of the date of this report.

#### INTERESTED DIRECTORS(a)

Name (Year of Birth) Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
David Oestreicher (1967) 2018 [209]	Director, Vice President, and Secretary, T. Rowe Price, T. Rowe Price Investment Services, Inc., T. Rowe Price Retirement Plan Services, Inc., and T. Rowe Price Services, Inc.; Director and Secretary, T. Rowe Price Investment Management, Inc. (Price Investment Management); Vice President and Secretary, T. Rowe Price International (Price International); Vice President, T. Rowe Price Hong Kong (Price Hong Kong), T. Rowe Price Japan (Price Japan), and T. Rowe Price Singapore (Price Singapore); General Counsel, Vice President, and Secretary, T. Rowe Price Group, Inc.; Chair of the Board, Chief Executive Officer, President, and Secretary, T. Rowe Price Trust Company; Principal Executive Officer and Executive Vice President, all funds
Eric L. Veiel, CFA (1972) 2022 [209]	Director and Vice President, T. Rowe Price; Vice President, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company; Vice President, Global Funds

<sup>(</sup>a) All information about the interested directors was current as of December 31, 2022, unless otherwise indicated, except for the number of portfolios overseen, which is current as of the date of this report.

#### **OFFICERS**

Name (Year of Birth) Position Held With Fixed Income Series	Principal Occupation(s)
Armando (Dino) Capasso (1974) Chief Compliance Officer and Vice President	Chief Compliance Officer and Vice President, T. Rowe Price and Price Investment Management; Vice President, T. Rowe Price Group, Inc.; formerly, Chief Compliance Officer, PGIM Investments LLC and AST Investment Services, Inc. (ASTIS) (to 2022); Chief Compliance Officer, PGIM Retail Funds complex and Prudential Insurance Funds (to 2022); Vice President and Deputy Chief Compliance Officer, PGIM Investments LLC and ASTIS (to 2019)
Shiu Tak Sheldon Chan (1981) Vice President	Vice President, Price International and T. Rowe Price Group, Inc.
Jason T. Collins, CFA (1971) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Jean-Marc Corredor (1976) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, Price Investment Management, T. Rowe Price Services, Inc., and T. Rowe Price Trust Company
Levent Demirekler, CFA (1974) Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Alan S. Dupski, CPA (1982) Principal Financial Officer, Vice President, and Treasurer	Vice President, Price Investment Management, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Cheryl Emory (1963) Assistant Secretary	Assistant Vice President and Assistant Secretary, T. Rowe Price; Assistant Secretary, T. Rowe Price Group, Inc., Price Investment Management, Price International, Price Hong Kong, Price Singapore, T. Rowe Price Investment Services, Inc., T. Rowe Price Retirement Plan Services, Inc., and T. Rowe Price Trust Company
Cheryl Hampton, CPA (1969) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company; formerly, Tax Director, Invesco Ltd. (to 2021); Vice President, Oppenheimer Funds, Inc. (to 2019)
Charles B. Hill, CFA (1961) Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Benjamin Kersse, CPA (1989) Vice President	Vice President, T. Rowe Price and T. Rowe Price Trust Company
Steven M. Kohlenstein, CFA (1987) Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Paul J. Krug, CPA (1964) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company

Unless otherwise noted, officers have been employees of T. Rowe Price or Price International for at least 5 years.

## OFFICERS (CONTINUED)

Name (Year of Birth) Position Held With Fixed Income Series	Principal Occupation(s)
Robert P. McDavid (1972) Vice President	Vice President, T. Rowe Price, Price Investment Management, T. Rowe Price Investment Services, Inc., and T. Rowe Price Trust Company
Cheryl A. Mickel, CFA (1967) President	Director and Vice President, T. Rowe Price Trust Company; Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Alexander S. Obaza (1981) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Fran M. Pollack-Matz (1961) Vice President and Secretary	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., T. Rowe Price Investment Services, Inc., T. Rowe Price Services, Inc., and T. Rowe Price Trust Company
Michael F. Reinartz, CFA (1973) President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Richard Sennett, CPA (1970) Assistant Treasurer	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Michael K. Sewell (1982) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Chen Shao (1980) Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Ellen York (1988) Vice President	Vice President, Price Investment Management and T. Rowe Price

Unless otherwise noted, officers have been employees of T. Rowe Price or Price International for at least 5 years.















## T.RowePrice

100 East Pratt Street Baltimore, MD 21202

Call 1-800-225-5132 to request a prospectus or summary prospectus; each includes investment objectives, risks, fees, expenses, and other information that you should read and consider carefully before investing.



#### **ANNUAL REPORT**

December 31, 2023

T. ROWE PRICE

# Mid-Cap Growth Portfolio

For more insights from T. Rowe Price investment professionals, go to **troweprice.com**.

#### **HIGHLIGHTS**

- The Mid-Cap Growth Portfolio advanced but underperformed the Russell Midcap Growth Index and its Lipper peer group index for the 12 months ended December 31, 2023.
- On a relative basis, our sector allocations in information technology and health care hampered relative results, while stock selection in financials proved beneficial.
- We remain judicious in deploying capital, with a focus on quality companies with durable growth prospects and prudent balance sheets.
- While we don't consider the market to be wildly overvalued, we do believe there are pockets of excess. It is our expectation that certain imbalances will correct themselves, positioning the portfolio for stronger relative performance on the other side of that recalibration.

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Log in to your account at **troweprice.com** for more information.

\*An account service fee will be charged annually for each T. Rowe Price mutual fund account unless you meet criteria for a fee waiver. Go to troweprice. com/personal-investing/help/fees-and-minimums.html to learn more about this account service fee, including other ways to waive it.

Market Commentary

## **Dear Investor**

Global stock and bond indexes were broadly positive during 2023 as most economies managed to avoid the recession that was widely predicted at the start of the year. Technology companies benefited from investor enthusiasm for artificial intelligence developments and led the equity rally, while fixed income benchmarks rebounded late in the year amid falling interest rates.

For the 12-month period, the technology-oriented Nasdaq Composite Index rose about 43%, reaching a record high and producing the strongest result of the major benchmarks. Growth stocks outperformed value shares, and developed market stocks generally outpaced their emerging markets counterparts. Currency movements were mixed over the period, although a weaker dollar versus major European currencies was beneficial for U.S. investors in European securities.

Within the S&P 500 Index, which finished the year just short of the record level it reached in early 2022, the information technology, communication services, and consumer discretionary sectors were all lifted by the tech rally and recorded significant gains. A small group of tech-oriented mega-cap companies helped drive much of the market's advance. Conversely, the defensive utilities sector had the weakest returns in the growth-focused environment, and the energy sector also lost ground amid declining oil prices. The financials sector bounced back from the failure of three large regional banks in the spring and was one of the topperforming segments in the second half of the year.

The U.S. economy was the strongest among the major markets during the period, with gross domestic product growth coming in at 4.9% in the third quarter, the highest since the end of 2021. Corporate fundamentals were also broadly supportive. Year-over-year earnings growth contracted in the first and second quarters of 2023, but results were better than expected, and earnings growth turned positive again in the third quarter. Markets remained resilient despite a debt ceiling standoff in the U.S., the outbreak of war in the Middle East, the continuing conflict between Russia and Ukraine, and a sluggish economic recovery in China.

Inflation remained a concern, but investors were encouraged by the slowing pace of price increases as well as the possibility that the Federal Reserve was nearing the end of its rate-hiking cycle. The Fed held rates steady after raising its short-term lending benchmark rate to a target range of 5.25% to 5.50% in July, the highest level since March 2001, and at its final meeting of the year in December, the central bank indicated that there could be three 25-basis-point rate cuts in 2024.

The yield of the benchmark 10-year U.S. Treasury note briefly reached 5.00% in October for the first time since late 2007 before falling back to 3.88% by period-end, the same level where it started the year, amid cooler-than-expected inflation readings and less-hawkish Fed rhetoric. Fixed income benchmarks were lifted late in the year by falling yields. Investment-grade and high yield corporate bonds produced solid returns, supported by the higher coupons that have become available over the past year, as well as increasing hopes that the economy might be able to avoid a recession.

Global economies and markets showed surprising resilience in 2023, but considerable uncertainty remains as we look ahead. Geopolitical events, the path of monetary policy, and the impact of the Fed's rate hikes on the economy all raise the potential for additional volatility. We believe this environment makes skilled active management a critical tool for identifying risks and opportunities, and our investment teams will continue to use fundamental research to help identify securities that can add value to your portfolio over the long term.

Thank you for your continued confidence in T. Rowe Price.

Sincerely,

Robert Sharps
CEO and President

Solut Ju. Shenfre

Management's Discussion of Fund Performance

#### **INVESTMENT OBJECTIVE**

The fund seeks to provide long-term capital appreciation by investing in mid-cap stocks with potential for above-average earnings growth.

#### **FUND COMMENTARY**

#### How did the fund perform in the past 12 months?

The Mid-Cap Growth Portfolio returned 19.96% for the 12 months ended December 31, 2023. The fund underperformed the Russell Midcap Growth Index, which returned 25.87%, and the Lipper Variable Annuity Underlying Mid-Cap Growth Funds Average, which returned 21.64%. (Returns for the Mid-Cap Growth Portfolio–II slightly varied due to its different fee structure. *Past performance cannot guarantee future results.*)

PERFORMANCE COMPARISON	N		
	Total F	Total Return	
Periods Ended 12/31/23	6 Months	12 Months	
Mid-Cap Growth Portfolio	6.31%	19.96%	
Mid-Cap Growth Portfolio-II	6.17	19.63	
Russell Midcap Growth Index	8.56	25.87	
Lipper Variable Annuity			
Underlying Mid-Cap Growth			
Funds Average	5.72	21.64	

#### What factors influenced the fund's performance?

The fund posted strong returns on an absolute basis but trailed the benchmark in a year that was largely unconducive to our growth at a reasonable price approach. A late-year beta rally, exacerbated by a dovish turn by the Federal Reserve, created pockets of froth reminiscent of 2021, in our view. We were not surprised to lag in a period when risk discipline and valuation awareness were deemphasized. In addition to monetary policy, which has been the dominant market theme for some time, 2023 was also shaped by emerging secular trends in technology and health care–namely artificial intelligence (AI) and glucagon-like peptide 1. Limited exposure to those tailwinds relative to the Russell Midcap Growth Index weighed on performance. Conversely, stock selection in financials, notably within the capital markets and insurance industries that we prefer, added value.

An underweight allocation to information technology, particularly within the software industry, detracted most from relative results. Stock selection also had a negative effect. A decline in orders early in the year largely due to an inventory correction in its wireless business resulted in a sell-off of shares of Keysight Technologies, the largest global manufacturer of test and measurement solutions. A disappointing outlook

issued in August, attributed to factors including backlog normalization and general macroeconomic weakness, sent shares of the company lower. On an absolute basis, however, the sector accounted for several top performers, including CrowdStrike Holdings, a leader in the growing cybersecurity market, and Marvell Technology, an AI beneficiary.

An overweight in health care and, to a lesser extent, stock choices in the sector also weighed on relative performance. Shares of biotechnology company Seagen spiked on the news that it would be acquired by Pfizer, and our underweight position proved detrimental. Shares of medical technology company Hologic were pressured by the ongoing decline in COVID-19 testing-related demand. We maintain a favorable long-term view of the company, however. COVID-19 testing has accelerated the placement of Hologic's diagnostic testing machines in many medical facilities, enabling the processing of the company's other diagnostic offerings as well. Additionally, we believe that the market is overlooking the strength of Hologic's core women's health business, which we expect to remain a meaningful driver of future growth.

On the positive side, stock selection in financials contributed the most to relative results. KKR, a leading diversified global investment firm, is a beneficiary of lower interest rates, and shares rallied in the wake of the Federal Reserve's final policy meeting of the year, which set the stage for potentially more significant rate cuts in 2024 than previously expected. An update from the firm toward period-end, announcing the acquisition of the remaining stake in Global Atlantic as well as other strategic initiatives, was also well received by investors. FleetCor Technologies operates multiple business lines including fuel cards, corporate payments, tolls, lodging, and gift cards. Shares advanced through much of the year on solid results driven by strong execution despite challenging conditions, including secular pressure on its core business. The company implemented strategic efforts to optimize its portfolio, including the sale of its Russian assets. Specialty insurance provider Assurant and electronic trading platform Tradeweb Markets also delivered strong returns.

#### How is the fund positioned?

SECTOR DIVERSIFICATION		
	Percent of Net Assets	
	6/30/23	12/31/23
Health Care	24.3%	24.2%
Information Technology	18.7	18.1
Industrials and Business Services	17.0	16.4
Consumer Discretionary	11.2	12.1
Financials	7.6	7.6
Materials	5.5	5.5
Communication Services	3.8	4.5
Energy	3.1	4.2
Consumer Staples	4.1	3.7
Real Estate	1.1	0.9
Utilities	0.0	0.0
Other and Reserves	3.6	2.8
Total	100.0%	100.0%

Historical weightings reflect current industry/sector classifications.

While there were no large thematic shifts in the portfolio, we were net sellers in a year of strong gains, with the market looking a little full, in our view. Top sales were largely motivated by valuation, market capitalization, and position size considerations. That said, we found attractive opportunities in energy, where we moved overweight relative to the benchmark, and we remain overweight the health care sector. We are underweight consumer discretionary, but the sector accounted for several top purchases this year. As always, we maintain a long-term view and a focus on quality companies with durable growth prospects and prudent balance sheets.

Energy remains a smaller sector allocation within the portfolio, but it has become more relevant in recent years. A pullback in the sector, as gas and oil prices declined, created compelling entry points in names including EQT and TechnipFMC. EQT is the largest producer of natural gas in the U.S., and we believe it will benefit over the long term from secular natural gas tailwinds. Global oil field service and equipment company TechnipFMC is the clear market leader in the subsea segment. We believe increased offshore spending will lead to accelerating cash flows and significant margin improvement for the company. On the sell side, we reduced our stake in Pioneer Natural Resources following the announcement that the company would be acquired by ExxonMobil

Our approach toward consumer discretionary is selective given the persistent headwinds of recent years. We focus on companies with strong brands and innovative management teams that we believe are capable of navigating an uneven recovery and taking share from competitors. Our holdings in hotels, restaurants, and leisure names like Hilton Worldwide Holdings, Yum! Brands, Ulta Beauty, and Caesar's Entertainment reflect those attributes. Strength in travel lifted shares of Hilton Worldwide Holdings, the second largest global hotel brand, and we took profits during the year, but the company remains a core holding. We favor Hilton for its low capital costs and significant exposure to the growing business and group travel segments. We increased Yum! Brands, the parent company of Taco Bell, KFC, and Pizza Hut. We like the company's management team, its franchise mix, and its brand and geographical diversification. We initiated a position in leading U.S. beauty retailer Ulta Beauty. In our view, shares were attractively valued, and we believe the company is well positioned to continue taking share in a growing but fragmented industry. We sold shares of MGM, a company whose recent capital allocation decisions have given us pause, to fund a new position in Caesar's. We like Caesar's disciplined management team and believe the company will benefit from a favorable Las Vegas backdrop and its industry-leading database of players, a growing mobile business, and brick-andmortar locations.

Top sales included a handful of information technology names. We exited Synopsys, a leading electronic design automation company, and reduced Fortinet, a major global network security provider, following solid share price appreciation and market capitalization considerations. We trimmed semiconductor holding KLA, a strong performer and frequent contributor to the fund since its addition in 2020, which had moved out of our market capitalization range. The eliminations of software company Black Knight and National Instruments, an electronic equipment, instruments, and components company, were driven by acquisitions.

#### What is portfolio management's outlook?

The favorable end to 2023 for equities suggests that the highly sought-after soft landing has been achieved. Despite a consensus view that we will skirt a recession while the market continues to climb, this is not a certainty. Indeed, we are seeing cracks in high-end consumer spending as well as some weakness in the industrial economy. While we do not consider the market to be wildly overvalued, we do believe there are pockets of excess. It is our expectation that certain imbalances will correct themselves, positioning the portfolio for stronger relative performance on the other side of that recalibration.

Accordingly, we remain judicious in deploying capital. Our focus remains on owning quality companies with durable growth prospects and prudent balance sheets. We pay careful attention to risk and valuation relative to growth prospects and believe that this disciplined approach will continue to serve clients well over the long term.

The views expressed reflect the opinions of T. Rowe Price as of the date of this report and are subject to change based on changes in market, economic, or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

#### **RISKS OF INVESTING IN THE FUND**

#### PRINCIPAL RISKS

As with any fund, there is no guarantee that the fund will achieve its objective(s). The fund's share price fluctuates, which means you could lose money by investing in the fund. The principal risks of investing in this fund, which may be even greater during periods of market disruption or volatility, are summarized as follows:

Market conditions. The value of the fund's investments may decrease, sometimes rapidly or unexpectedly, due to factors affecting an issuer held by the fund, particular industries, or the overall securities markets. A variety of factors can increase the volatility of the fund's holdings and markets generally, including political or regulatory developments, recessions, inflation, rapid interest rate changes, war or acts of terrorism, natural disasters, and outbreaks of infectious illnesses or other widespread public health issues. Certain events may cause instability across global markets, including reduced liquidity and disruptions in trading markets, while some events may affect certain geographic regions, countries, sectors, and industries more significantly than others. These adverse developments may cause broad declines in market value due to short-term market movements or for significantly longer periods during more prolonged market downturns.

Mid-cap stocks. Investments in securities issued by mid-cap companies are likely to be more volatile than investments in securities issued by larger companies. Medium-sized companies may have less experienced management, narrower product lines, and less capital reserves and liquidity than larger companies. They are, therefore, more sensitive to economic, market, and industry changes.

Growth investing. The fund's growth approach to investing could cause it to underperform other stock funds that employ a different investment style. Growth stocks tend to be more volatile than certain other types of stocks, and their prices may fluctuate more dramatically than the overall stock market. A stock with growth characteristics can have sharp price declines due to decreases in current or expected earnings and may lack dividends that can help cushion its share price in a declining market.

#### **BENCHMARK INFORMATION**

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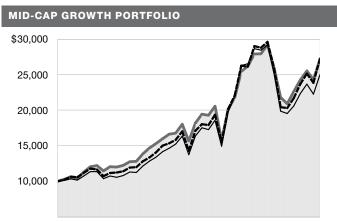
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	Percent of Net Assets 12/31/23
Microchip Technology	3.0%
Marvell Technology	2.6
Hologic	2.5
Agilent Technologies	2.3
Teleflex	2.1
Hilton Worldwide Holdings	1.9
Crowdstrike Holdings	1.8
Textron	1.8
Ingersoll Rand	1.7
Trade Desk	1.7
JB Hunt Transport Services	1.7
Ball	1.7
Domino's Pizza	1.6
Avantor	1.5
Equifax	1.5
PTC	1.5
KKR	1.5
Spotify Technology	1.4
Veeva Systems	1.4
Keysight Technologies	1.4
Bruker	1.3
Cheniere Energy	1.3
Avery Dennison	1.3
Martin Marietta Materials	1.3
Burlington Stores	1.2
Total	43.0%

Note: The information shown does not reflect any exchange-traded funds (ETFs), cash reserves, or collateral for securities lending that may be held in the portfolio.

#### **GROWTH OF \$10,000**

This chart shows the value of a hypothetical \$10,000 investment in the portfolio over the past 10 fiscal year periods or since inception (for portfolios lacking 10-year records). The result is compared with benchmarks, which include a broad-based market index and may also include a peer group average or index. Market indexes do not include expenses, which are deducted from portfolio returns as well as mutual fund averages and indexes.



 $12/13 \ 12/14 \ 12/15 \ 12/16 \ 12/17 \ 12/18 \ 12/19 \ 12/20 \ 12/21 \ 12/22 \ 12/23$ 

### As of 12/31/23

_	Mid-Cap Growth Portfolio	\$27,144
	Russell Midcap Growth Index	27,313
	Lipper Variable Annuity Underlying	25,027
	Mid-Cap Growth Funds Average	

Note: Performance for the II Class shares will vary due to their differing fee structure. See the Average Annual Compound Total Return table.

#### AVERAGE ANNUAL COMPOUND TOTAL RETURN

Periods Ended 12/31/23	1 Year	5 Years	10 Years
Mid-Cap Growth Portfolio	19.96%	11.63%	10.50%
Mid-Cap Growth Portfolio-II	19.63	11.36	10.22

The fund's performance information represents only past performance and is not necessarily an indication of future results. Current performance may be lower or higher than the performance data cited. Share price, principal value, and return will vary, and you may have a gain or loss when you sell your shares. For the most recent month-end performance, please contact a T. Rowe Price representative at 1-800-469-6587 (financial advisors, or customers who have an advisor, should call 1-800-638-8790). Returns do not reflect taxes that the shareholder may pay on distributions or the redemption of shares. Total returns do not include charges imposed by your insurance company's separate account. If these had been included, performance would have been lower.

This table shows how the portfolio would have performed each year if its actual (or cumulative) returns for the periods shown had been earned at a constant rate. Average annual total return figures include changes in principal value, reinvested dividends, and capital gain distributions. When assessing performance, investors should consider both short- and long-term returns.

#### **FUND EXPENSE EXAMPLE**

As a mutual fund shareholder, you may incur two types of costs: (1) transaction costs, such as redemption fees or sales loads, and (2) ongoing costs, including management fees, distribution and service (12b-1) fees, and other fund expenses. The following example is intended to help you understand your ongoing costs (in dollars) of investing in the fund and to compare these costs with the ongoing costs of investing in other mutual funds. The example is based on an investment of \$1,000 invested at the beginning of the most recent six-month period and held for the entire period.

Shares of the fund are currently offered only through certain insurance companies as an investment medium for both variable annuity contracts and variable life insurance policies. Please note that the fund has two classes of shares: the original share class and the II Class. The II Class shares are sold through financial intermediaries, which are compensated for distribution, shareholder servicing, and/or certain administrative services under a Board-approved Rule 12b-1 plan.

#### **Actual Expenses**

The first line of the following table (Actual) provides information about actual account values and actual expenses. You may use the information on this line, together with your account balance, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number on the first line under the heading "Expenses Paid During Period" to estimate the expenses you paid on your account during this period.

#### **Hypothetical Example for Comparison Purposes**

The information on the second line of the table (Hypothetical) is based on hypothetical account values and expenses derived from the fund's actual expense ratio and an assumed 5% per year rate of return before expenses (not the fund's actual return). You may compare the ongoing costs of investing in the fund with other funds by contrasting this 5% hypothetical example and the 5% hypothetical examples that appear in the shareholder reports of the other funds. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period.

You should also be aware that the expenses shown in the table highlight only your ongoing costs and do not reflect any transaction costs, such as redemption fees or sales loads. Therefore, the second line of the table is useful in comparing ongoing costs only and will not help you determine the relative total costs of owning different funds. To the extent a fund charges transaction costs, however, the total cost of owning that fund is higher.

#### **FUND EXPENSE EXAMPLE (CONTINUED)**

MID-CAP GROWTH PORTFOLIO			
	Beginning Account Value 7/1/23	Ending Account Value 12/31/23	Expenses Paid During Period* 7/1/23 to 12/31/23
Mid-Cap Growth Portfolio			
Actual	\$1,000.00	\$1,063.10	\$4.37
Hypothetical (assumes 5% return before expenses)	1,000.00	1,020.97	4.28
Mid-Cap Growth Portfolio – II			
Actual	1,000.00	1,061.70	5.66
Hypothetical (assumes 5% return before expenses)	1,000.00	1,019.71	5.55

<sup>\*</sup> Expenses are equal to the fund's annualized expense ratio for the 6-month period, multiplied by the average account value over the period, multiplied by the number of days in the most recent fiscal half year (184), and divided by the days in the year (365) to reflect the half-year period. The annualized expense ratio of the Mid-Cap Growth Portfolio was 0.84%, and the Mid-Cap Growth Portfolio – II was 1.09%.

## FINANCIAL HIGHLIGHTS

For a share outstanding throughout each period

Mid-Cap Growth Portfolio Class							
		Year					
		Ended					
		12/31/23	12/31/22	12/31/21		12/31/20	12/31/19
NET ASSET VALUE		05.05	04.47	00.47	_		00.70
Beginning of period	- \$	25.85	\$ 34.47	\$ 33.47	\$	28.88	\$ 23.70
Investment activities							
Net investment income (loss)(1)(2)		_(3)	(0.05)	(0.14)		(0.05)	0.03
Net realized and unrealized gain/loss		5.12	(7.74)	4.98		6.92	7.36
Total from investment activities		5.12	 (7.79)	 4.84		6.87	 7.39
Distributions							
Net investment income		_	_	_		_	(0.04)
Net realized gain		(1.86)	(0.83)	(3.84)		(2.28)	(2.17)
Total distributions		(1.86)	 (0.83)	 (3.84)		(2.28)	 (2.21)
NET ASSET VALUE							
End of period	\$	29.11	\$ 25.85	\$ 34.47	\$	33.47	\$ 28.88
Ratios/Supplemental Data							
Total return <sup>(2)(4)</sup>		19.96%	 (22.58)%	 14.85%		23.80%	 31.29%
Ratios to average net assets:(2)							
Gross expenses before waivers/payments by Price							
Associates		0.85%	0.85%	0.85%		0.85%	0.85%
Net expenses after waivers/payments by Price			 	 			 
Associates		0.84%	 0.84%	 0.84%		0.84%	 0.84%
Net investment income (loss)		(0.00)%	 (0.18)%	 (0.39)%		(0.18)%	 0.12%
Portfolio turnover rate		28.2%	 22.3%	 18.8%		26.1%	 22.1%

 $<sup>^{\</sup>mbox{\scriptsize (1)}}$  Per share amounts calculated using average shares outstanding method.

<sup>(2)</sup> See Note 6 for details of expense-related arrangements with Price Associates.

<sup>(3)</sup> Amounts round to less than \$0.01 per share.

<sup>(4)</sup> Total return reflects the rate that an investor would have earned on an investment in the fund during each period, assuming reinvestment of all distributions, and payment of no redemption or account fees, if applicable.

## FINANCIAL HIGHLIGHTS

For a share outstanding throughout each period

Mid-Cap Growth Portfolio - II Class							
		Year					
		Ended					
	-	12/31/23	•	12/31/22	12/31/21	12/31/20	12/31/19
NET ASSET VALUE							
Beginning of period	. \$	24.13	\$	32.32	\$ 31.63	\$ 27.41	\$ 22.58
Investment activities							
Net investment loss <sup>(1)(2)</sup>		(0.07)		(0.11)	(0.22)	(0.12)	(0.03)
Net realized and unrealized gain/loss		4.76		(7.25)	4.70	6.55	7.00
Total from investment activities		4.69		(7.36)	 4.48	 6.43	 6.97
Distributions							
Net realized gain		(1.80)		(0.83)	 (3.79)	 (2.21)	 (2.14)
NET ASSET VALUE End of period	\$	27.02	\$	24.13	\$ 32.32	\$ 31.63	\$ 27.41
Ratios/Supplemental Data							
Total return <sup>(2)(3)</sup>		19.63%		(22.75)%	 14.57%	 23.47%	 30.98%
Ratios to average net assets:(2)							
Gross expenses before waivers/payments by Price							
Associates		1.10%		1.10%	1.10%	1.10%	1.10%
Net expenses after waivers/payments by Price					 	 	 
Associates		1.09%		1.09%	1.09%	1.09%	1.09%
Net investment loss		(0.26)%		(0.44)%	 (0.64)%	 (0.43)%	 (0.13)%
Portfolio turnover rate		28.2%		22.3%	18.8%	26.1%	22.1%
Net assets, end of period (in thousands)	\$	67,576	\$	50,985	\$ 71,773	\$ 61,897	\$ 56,450

<sup>(1)</sup> Per share amounts calculated using average shares outstanding method.

<sup>(2)</sup> See Note 6 for details of expense-related arrangements with Price Associates.

<sup>(3)</sup> Total return reflects the rate that an investor would have earned on an investment in the fund during each period, assuming reinvestment of all distributions, and payment of no redemption or account fees, if applicable.

December 31, 2023

PORTFOLIO OF INVESTMENTS <sup>‡</sup>	Shares	\$ Value		Shares	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
COMMON STOCKS 97.0%			Consumer Staples Distribution & Retail 2.3%		
COMMUNICATION SERVICES 4.5%			Casey's General Stores	16,300	4,478
Entertainment 2.0%			Dollar General	10,723	1,458
Liberty Media Corp-Liberty Formula			Dollar Tree (1)	43,449	6,172
One, Class C (1)	56,680	3,578	Maplebear, Acquisition Date: 2/26/21 -		0.40
Spotify Technology (1)	39,800	7,479	11/19/21, Cost \$1,121 (1)(2)	9,276	218
		11,057			12,326
Interactive Media & Services 0.3%			Food Products 0.4%		
Match Group (1)	50,816	1,855	TreeHouse Foods (1)	49,862	2,067
		1,855			2,067
Media 2.2%			Household Products 0.4%		
New York Times, Class A	52,000	2,547	Reynolds Consumer Products	71,500	1,919
Trade Desk, Class A (1)	130,900	9,420			1,919
		11,967	Personal Care Products 0.3%		
Total Communication Services		24,879	Kenvue	79,308	1,708
CONSUMER					1,708
DISCRETIONARY 12.1%			Total Consumer Staples		19,622
Automobile Components 0.1%			ENERGY 4.2%		
Mobileye Global, Class A (1)	15,774	683	Energy Equipment & Services 0.8%		
		683	TechnipFMC	195.417	3.936
Diversified Consumer Services 0.4%			Weatherford International (1)	6,200	606
Bright Horizons Family Solutions (1)	18,200	1,715	······································		4,542
Clear Secure, Class A	28,903	597	Oil, Gas & Consumable Fuels 3.4%		
		2,312	•	40.700	7 000
Hotels, Restaurants & Leisure 5.9%			Cheniere Energy Chesapeake Energy	42,700 17,900	7,289
Caesars Entertainment (1)	56,822	2,664	Coterra Energy	104,200	2,659
Chipotle Mexican Grill (1)	920	2,104	EQT	119,000	4,601
Domino's Pizza	21,004	8,659	Pioneer Natural Resources	3,622	815
Hilton Worldwide Holdings	55,700	10,142	Range Resources	67,000	2,039
MGM Resorts International	62,017	2,771			18,780
Yum! Brands	46,427	6,066	Total Energy		23,322
		32,406	FINANCIALS 7.6%		
Specialty Retail 5.0%			Capital Markets 5.1%		
Bath & Body Works	103,100	4,450	Cboe Global Markets	5,400	964
Burlington Stores (1)	33,500	6,515	Intercontinental Exchange	48,200	6,190
Five Below (1)	22,700	4,839	KKR	96,900	8,028
O'Reilly Automotive (1)	800	760	MarketAxess Holdings	10,900	3,192
Ross Stores	45,000	6,227	Raymond James Financial	31,600	3,524
Tractor Supply Ulta Beauty (1)	5,892 6,500	1,267 3,185	Tradeweb Markets, Class A	63,700	5,789
Olla Beauty (1)					27,687
Textiles, Apparel & Luxury		27,243	Financial Services 0.8%		
Goods 0.7%			FleetCor Technologies (1)	16,100	4,550
Birkenstock Holding (1)	24,892	1,213			4,550
Lululemon Athletica (1)	5,300	2,710	Insurance 1.7%		
		3,923	Assurant	35,900	6,049
Total Canauman Biographics			Axis Capital Holdings	26,200	1,450
Total Consumer Discretionary CONSUMER STAPLES 3.7%		66,567	Markel Group (1)	1,350	1,917
					9,416
Beverages 0.3%			Total Financials		41,653
Boston Beer, Class A (1)	4,635	1,602			
		1,602			

	Shares	\$ Value		Shares	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
HEALTH CARE 24.2%			Waste Connections	12,200	1,821
Biotechnology 5.5%					4,815
Alnylam Pharmaceuticals (1)	30,100	5,761	Construction & Engineering 0.3%		
Apellis Pharmaceuticals (1)	24,564	1,470	Quanta Services	7,000	1,511
Argenx, ADR (1)	7,819	2,975			1,511
Ascendis Pharma, ADR (1)	21,100	2,658	Electrical Equipment 0.1%		
Biogen (1)	16,400	4,244	Shoals Technologies Group, Class		
CRISPR Therapeutics (1) Exact Sciences (1)	20,857 26,200	1,306 1,938	A (1)	42,900	667
Ionis Pharmaceuticals (1)	85,500	4,325			667
Karuna Therapeutics (1)	11,746	3,718	Ground Transportation 1.7%		
Sarepta Therapeutics (1)	16,254	1,567	JB Hunt Transport Services	46,900	9,368
		29,962			9,368
Health Care Equipment &			Industrial Conglomerates 0.8%		
Supplies 8.2%			Roper Technologies	7,800	4,252
Alcon	56,700	4,429			4,252
Cooper	15,500	5,866	Machinery 4.3%		
DENTSPLY SIRONA	65,936	2,347	Esab	56,552	4,898
Enovis (1)	58,524	3,279	Fortive	81,700	6,016
Hologic (1)	192,800	13,776	IDEX	14,800	3,213
QuidelOrtho (1)	50,833	3,746	Ingersoll Rand	123,300	9,536
Teleflex	46,372	11,562			23.663
		45,005	Passenger Airlines 0.5%		
Health Care Providers &			Southwest Airlines	88,700	2,562
Services 2.2%					2,562
Acadia Healthcare (1)	76,600	5,957	Professional Services 4.5%		2,502
agilon health (1)  Molina Healthcare (1)	82,722 13,200	1,038 4,769		23,600	4,856
Molina Healthcare (1)	13,200		Broadridge Financial Solutions Equifax	33,200	8,210
Hoolth Core Toohnology 1 40/		11,764	Paylocity Holding (1)	27,300	4,501
Health Care Technology 1.4%	00 744	7.450	TransUnion	56,300	3,868
Veeva Systems, Class A (1)	38,744	7,459	Verisk Analytics	13,100	3,129
		7,459			24,564
Life Sciences Tools & Services 6.2%			Trading Companies &		
Agilent Technologies	89,800	12,485	Distributors 1.0%		
Avantor (1)	360,300	8,225	United Rentals	9,500	5,447
Bruker Mettler-Toledo International (1)	99,602	7,319 2,062			5,447
West Pharmaceutical Services	10,545	3,713	Total Industrials & Business Services		89,421
Wood Filamadodioa Col Viceo	10,010	33,804	INFORMATION		
Pharmaceuticals 0.7%		33,604	TECHNOLOGY 18.0%		
	06 417	2 002	Electronic Equipment, Instruments		
Catalent (1)	86,417	3,883	& Components 2.8%		
		3,883	Amphenol, Class A	49,200	4,877
Total Health Care		131,877	Cognex	44,800	1,870
INDUSTRIALS & BUSINESS			Keysight Technologies (1)	46,600	7,414
SERVICES 16.4%			Littelfuse	3,600	963
Aerospace & Defense 2.3%					15,124
BWX Technologies	30,900	2,371	IT Services 0.3%		
Howmet Aerospace	10,500	568	MongoDB (1)	4,300	1,758
Textron	119,786	9,633			1,758
Communical Commission S		12,572	Semiconductors & Semiconductor		
Commercial Services & Supplies 0.9%			Equipment 7.8%		
	26 400	0.004	KLA	6,534	3,798
Veralto	36,400	2,994	Lattice Semiconductor (1)	81,000	5,588
			Marvell Technology	232,771	14,039

	Shares	\$ Value		Shares	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Microchip Technology	184.900	16.674	CONVERTIBLE PREFERRED STOCK	S 0.2%	
NXP Semiconductors	12,200	2,802			
		42.901	HEALTH CARE 0.0%		
Software 7.0%		12,001	Biotechnology 0.0%		
Atlassian, Class A (1)	11,700	2,783	Caris Life Sciences, Series		
BILL Holdings (1)	8,862	723	D, Acquisition Date: 5/11/21,		
CCC Intelligent Solutions Holdings (1)	310,049	3,531	Cost \$426 (1)(2)(3)	52,622	192
Crowdstrike Holdings, Class A (1)	39,312	10,037	Total Health Care		192
Fair Isaac (1)	5,400	6,286	<b>INFORMATION TECHNOLOGY 0.1%</b>		
Fortinet (1)	49,300	2,886	Software 0.1%		
PTC (1)	46,757	8,181	Databricks, Series H, Acquisition Date:		
Tyler Technologies (1)	9,900	4,139	8/31/21, Cost \$302 (1)(2)(3)	4,103	302
		38,566	Databricks, Series I, Acquisition Date:		
Technology Hardware, Storage &			9/14/23, Cost \$123 (1)(2)(3)	1,670	123
Peripherals 0.1%			Nuro, Series D, Acquisition Date:		
Pure Storage, Class A (1)	17,700	631	10/29/21, Cost \$293 (1)(2)(3)	14,070	57
Ture otorage, olass A (1)	17,700		Total Information Technology		482
		631	MATERIALS 0.1%		
Total Information Technology		98,980			
MATERIALS 5.4%			Chemicals 0.1%		
Chemicals 0.5%			Redwood Materials, Series		
RPM International	25.400	2,835	C, Acquisition Date: 5/28/21,	0.074	0.10
		2.835	Cost \$316 (1)(2)(3)	6,674	319
Construction Materials 1.3%		2,000	Sila Nano, Series F, Acquisition Date:	14,417	292
	44.000	<b>7.170</b>	1/7/21, Cost \$595 (1)(2)(3)		
Martin Marietta Materials	14,389	7,179	Total Materials		611
		7,179	Total Convertible Preferred Stocks		
Containers & Packaging 3.6%			(Cost \$2,055)		1,285
Avery Dennison	35,900	7,258			
Ball	161,869	9,311	SHORT-TERM INVESTMENTS 3.2%		
Sealed Air	91,000	3,323	Money Market Funds 3.2%		
		19,892	•		
Total Materials		29,906	T. Rowe Price Treasury Reserve Fund,	17 500 100	17.500
REAL ESTATE 0.9%		25,500	5.40% (4)(5)	17,506,192	17,506
			Total Short-Term Investments (Cost		
Real Estate Management &			\$17,506)		17,506
Development 0.9%			Total Investments in Securities		
CoStar Group (1)	56,734	4,958	100.4% of Net Assets		
Total Real Estate		4,958	(Cost \$349,841)	\$	549,976
Total Common Stocks (Cost					
\$330,280)		531,185			

- ‡ Shares are denominated in U.S. dollars unless otherwise noted.
- (1) Non-income producing
- (2) Security cannot be offered for public resale without first being registered under the Securities Act of 1933 and related rules ("restricted security"). Acquisition date represents the day on which an enforceable right to acquire such security is obtained and is presented along with related cost in the security description. The fund may have registration rights for certain restricted securities. Any costs related to such registration are generally borne by the issuer. The aggregate value of restricted securities (excluding 144A holdings) at period end amounts to \$1,503 and represents 0.3% of net assets.
- (3) See Note 2. Level 3 in fair value hierarchy.
- (4) Seven-day yield
- (5) Affiliated Companies
- ADR American Depositary Receipts

### AFFILIATED COMPANIES

(\$000s)

The fund may invest in certain securities that are considered affiliated companies. As defined by the 1940 Act, an affiliated company is one in which the fund owns 5% or more of the outstanding voting securities, or a company that is under common ownership or control. The following securities were considered affiliated companies for all or some portion of the year ended December 31, 2023. Net realized gain (loss), investment income, change in net unrealized gain/loss, and purchase and sales cost reflect all activity for the period then ended.

				Change in Net	
Affiliate			Net Realized Gain (Loss)	Unrealized Gain/Loss	Investment Income
T. Rowe Price Governmen	t Reserve	Fund, 5.42%\$	- \$	_	\$ _++
T. Rowe Price Treasury Re	serve Fur	nd, 5.40%		<del>_</del> _	897
Totals		\$	<b>-#</b> \$	_	\$ 897+
Supplementary Investme	nt Sched	ule Value 12/31/22	Purchase Cost	Sales Cost	Value 12/31/23
T. Rowe Price Governmen	t	,,			
Reserve Fund, 5.42%	\$	_	¤	۵	\$ _
T. Rowe Price Treasury Re Fund, 5.40%	eserve	19,972	۵	۵	 17,506

- # Capital gain distributions from underlying Price funds represented \$0 of the net realized gain (loss).
- ++ Excludes earnings on securities lending collateral, which are subject to rebates and fees as described in Note 3.
- + Investment income comprised \$897 of dividend income and \$0 of interest income.
- ${f X}$  Purchase and sale information not shown for cash management funds.
- <sup>^</sup> The cost basis of investments in affiliated companies was \$17,506.

December 31, 2023

## STATEMENT OF ASSETS AND LIABILITIES

. (Net assets: \$67,576; Shares outstanding: 2,501,024)

(\$000s, except shares and per share amounts)		
Assets Investments in securities, at value (cost \$349,841) Receivable for shares sold Dividends receivable Receivable for investment securities sold Other assets Total assets	\$	549,976 225 118 54 102 550,475
Liabilities Payable for investment securities purchased Investment management and administrative fees payable Payable for shares redeemed Other liabilities Total liabilities		2,086 409 253 11 2,759
NET ASSETS	\$	547,716
Net Assets Consist of: Total distributable earnings (loss) Paid-in capital applicable to 18,995,609 shares of \$0.0001 par value capital stock outstanding; 1,000,000,000 shares of the Corporation authorized	\$	203,737 343,979
NET ASSETS	\$	547,716
NET ASSET VALUE PER SHARE		
Mid-Cap Growth Portfolio Class (Net assets: \$480,140; Shares outstanding: 16,494,585) Mid-Cap Growth Portfolio - II Class	<u>\$</u>	29.11

27.02

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The accompanying notes are an integral part of these financial statements.

## STATEMENT OF OPERATIONS

(\$000s)

(40003)		
		Year
		Ended
		12/31/23
Investment Income (Loss)		,,
Income	•	4 4 7 7
Dividend (net of foreign taxes of \$9)	\$	4,177
Securities lending		19
Total income		4,196
Expenses		
Investment management and administrative expense		4,261
Rule 12b-1 fees - Mid-Cap Growth Portfolio - II Class		134
Waived / paid by Price Associates		(50)
Net expenses		4,345
Net investment loss		(149)
Realized and Unrealized Gain / Loss		
•		22.002
Net realized gain on securities		33,903
Change in net unrealized gain on securities		57,789
Net realized and unrealized gain / loss		91,692
INODE ACE IN MET ACCETO EDGM OBED ATIONS	•	04.540
INCREASE IN NET ASSETS FROM OPERATIONS	<u>\$</u>	91,543

The accompanying notes are an integral part of these financial statements.

## STATEMENT OF CHANGES IN NET ASSETS

(\$000s)			
		Year	
		Ended	
		12/31/23	12/31/22
Increase (Decrease) in Net Assets		12/01/20	12/01/22
•			
Operations	Φ.	(1.10) <b>h</b>	(4.000)
Net investment loss	\$	(149) \$	(1,083)
Net realized gain		33,903	11,022
Change in net unrealized gain / loss		57,789	(155,119)
Increase (decrease) in net assets from operations		91,543	(145,180)
Distributions to shareholders			
Net earnings			
Mid-Cap Growth Portfolio Class		(28,771)	(13,209)
Mid-Cap Growth Portfolio - II Class		(3,738)	(1,702)
Decrease in net assets from distributions		(32,509)	(14,911)
		(0,000)	(,0/
Capital share transactions*			
Shares sold		40.000	40.000
Mid-Cap Growth Portfolio Class		19,293	19,382
Mid-Cap Growth Portfolio - II Class		35,013	10,507
Distributions reinvested			
Mid-Cap Growth Portfolio Class		28,771	13,209
Mid-Cap Growth Portfolio - II Class		3,738	1,702
Shares redeemed			
Mid-Cap Growth Portfolio Class		(43,826)	(44,176)
Mid-Cap Growth Portfolio - II Class		(28,117)	(15,235)
Increase (decrease) in net assets from capital share transactions		14,872	(14,611)
Net Assets			
Increase (decrease) during period		73,906	(174,702)
Beginning of period		473,810	648,512
End of period	\$	547,716 \$	473,810
*Share information (000s)			
· · ·			
Shares sold		607	607
Mid-Cap Growth Portfolio Class		687	687
Mid-Cap Growth Portfolio - II Class		1,331	392
Distributions reinvested		4.040	540
Mid-Cap Growth Portfolio Class		1,012	513
Mid-Cap Growth Portfolio - II Class		142	71
Shares redeemed			
Mid-Cap Growth Portfolio Class		(1,560)	(1,577)
Mid-Cap Growth Portfolio - II Class		(1,085)	(571)
Increase (decrease) in shares outstanding		527	(485)

The accompanying notes are an integral part of these financial statements.

# **NOTES TO FINANCIAL STATEMENTS**

T. Rowe Price Equity Series, Inc. (the corporation) is registered under the Investment Company Act of 1940 (the 1940 Act). The Mid-Cap Growth Portfolio (the fund) is a diversified, open-end management investment company established by the corporation. The fund seeks to provide long-term capital appreciation by investing in mid-cap stocks with potential for above-average earnings growth. Shares of the fund currently are offered only to insurance company separate accounts established for the purpose of funding variable annuity contracts and variable life insurance policies. The fund has two classes of shares: the Mid-Cap Growth Portfolio (Mid-Cap Growth Portfolio-II Class) and the Mid-Cap Growth Portfolio-II (Mid-Cap Growth Portfolio-II Class). Mid-Cap Growth Portfolio-II Class shares are sold through financial intermediaries, which it compensates for distribution, shareholder servicing, and/or certain administrative services under a Board-approved Rule 12b-1 plan. Each class has exclusive voting rights on matters related solely to that class; separate voting rights on matters that relate to both classes; and, in all other respects, the same rights and obligations as the other class.

### **NOTE 1 - SIGNIFICANT ACCOUNTING POLICIES**

Basis of Preparation The fund is an investment company and follows accounting and reporting guidance in the Financial Accounting Standards Board (FASB) *Accounting Standards Codification* Topic 946 (ASC 946). The accompanying financial statements were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP), including, but not limited to, ASC 946. GAAP requires the use of estimates made by management. Management believes that estimates and valuations are appropriate; however, actual results may differ from those estimates, and the valuations reflected in the accompanying financial statements may differ from the value ultimately realized upon sale or maturity.

Investment Transactions, Investment Income, and Distributions Investment transactions are accounted for on the trade date basis. Income and expenses are recorded on the accrual basis. Realized gains and losses are reported on the identified cost basis. Income tax-related interest and penalties, if incurred, are recorded as income tax expense. Dividends received from other investment companies are reflected as income; capital gain distributions are reflected as realized gain/loss. Dividend income and capital gain distributions are recorded on the ex-dividend date. Non-cash dividends, if any, are recorded at the fair market value of the asset received. Proceeds from litigation payments, if any, are included in either net realized gain (loss) or change in net unrealized gain/loss from securities. Distributions to shareholders are recorded on the ex-dividend date. Income distributions, if any, are declared and paid by each class annually. A capital gain distribution, if any, may also be declared and paid by the fund annually.

Class Accounting Investment income, investment management and administrative expense, and realized and unrealized gains and losses are allocated to the classes based upon the relative daily net assets of each class. Mid-Cap Growth Portfolio–II Class pays Rule 12b-1 fees, in an amount not exceeding 0.25% of the class's average daily net assets.

Capital Transactions Each investor's interest in the net assets of the fund is represented by fund shares. The fund's net asset value (NAV) per share is computed at the close of the New York Stock Exchange (NYSE), normally 4 p.m. ET, each day the NYSE is open for business. However, the NAV per share may be calculated at a time other than the normal close of the NYSE if trading on the NYSE is restricted, if the NYSE closes earlier, or as may be permitted by the SEC. Purchases and redemptions of fund shares are transacted at the next-computed NAV per share, after receipt of the transaction order by T. Rowe Price Associates, Inc., or its agents.

New Accounting Guidance In June 2022, the FASB issued Accounting Standards Update (ASU), ASU 2022-03, Fair Value Measurement (Topic 820) – Fair Value Measurement of Equity Securities Subject to Contractual Sale Restrictions, which clarifies that a contractual restriction on the sale of an equity security is not considered part of the unit of account of the equity security and, therefore, is not considered in measuring fair value. The amendments under this ASU are effective for fiscal years beginning after December 15, 2023; however, the fund opted to early adopt, as permitted, effective December 1, 2022. Adoption of the guidance did not have a material impact on the fund's financial statements.

**Indemnification** In the normal course of business, the fund may provide indemnification in connection with its officers and directors, service providers, and/or private company investments. The fund's maximum exposure under these arrangements is unknown; however, the risk of material loss is currently considered to be remote.

#### **NOTE 2 - VALUATION**

Fair Value The fund's financial instruments are valued at the close of the NYSE and are reported at fair value, which GAAP defines as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fund's Board of Directors (the Board) has designated T. Rowe Price Associates, Inc. as the fund's valuation designee (Valuation Designee). Subject to oversight by the Board, the Valuation Designee performs the following functions in performing fair value determinations: assesses and manages valuation risks; establishes and applies fair value methodologies; tests fair value methodologies; and evaluates pricing vendors and pricing agents. The duties and responsibilities of the Valuation Designee are performed by its Valuation Committee. The Valuation Designee provides periodic reporting to the Board on valuation matters.

Various valuation techniques and inputs are used to determine the fair value of financial instruments. GAAP establishes the following fair value hierarchy that categorizes the inputs used to measure fair value:

Level 1 - quoted prices (unadjusted) in active markets for identical financial instruments that the fund can access at the reporting date

Level 2 – inputs other than Level 1 quoted prices that are observable, either directly or indirectly (including, but not limited to, quoted prices for similar financial instruments in active markets, quoted prices for identical or similar financial instruments in inactive markets, interest rates and yield curves, implied volatilities, and credit spreads)

Level 3 – unobservable inputs (including the Valuation Designee's assumptions in determining fair value)

Observable inputs are developed using market data, such as publicly available information about actual events or transactions, and reflect the assumptions that market participants would use to price the financial instrument. Unobservable inputs are those for which market data are not available and are developed using the best information available about the assumptions that market participants would use to price the financial instrument. GAAP requires valuation techniques to maximize the use of relevant observable inputs and minimize the use of unobservable inputs. When multiple inputs are used to derive fair value, the financial instrument is assigned to the level within the fair value hierarchy based on the lowest-level input that is significant to the fair value of the financial instrument. Input levels are not necessarily an indication of the risk or liquidity associated with financial instruments at that level but rather the degree of judgment used in determining those values.

Valuation Techniques Equity securities, including exchange-traded funds, listed or regularly traded on a securities exchange or in the over-the-counter (OTC) market are valued at the last quoted sale price or, for certain markets, the official closing price at the time the valuations are made. OTC Bulletin Board securities are valued at the mean of the closing bid and asked prices. A security that is listed or traded on more than one exchange is valued at the quotation on the exchange determined to be the primary market for such security. Listed securities not traded on a particular day are valued at the mean of the closing bid and asked prices for domestic securities.

Investments in mutual funds are valued at the mutual fund's closing NAV per share on the day of valuation. Assets and liabilities other than financial instruments, including short-term receivables and payables, are carried at cost, or estimated realizable value, if less, which approximates fair value.

Investments for which market quotations are not readily available or deemed unreliable are valued at fair value as determined in good faith by the Valuation Designee. The Valuation Designee has adopted methodologies for determining the fair value of investments for which market quotations are not readily available or deemed unreliable, including the use of other pricing sources. Factors used in determining fair value vary by type of investment and may include market or investment specific considerations. The Valuation Designee typically will afford greatest weight to actual prices in arm's length transactions, to the extent they represent orderly transactions between market participants, transaction information can be reliably obtained, and prices are deemed representative of fair value. However, the Valuation Designee may also consider other valuation methods such as market-based valuation multiples; a discount or premium from market value of a similar, freely traded security of the same issuer; discounted cash flows; yield to maturity; or some combination. Fair value determinations are reviewed on a regular basis. Because any fair value determination involves a significant amount of judgment, there is a degree of subjectivity inherent in such pricing decisions. Fair value prices determined by the Valuation Designee could differ from those of other market participants, and it is possible that the fair value determined for a security may be materially different from the value that could be realized upon the sale of that security.

Valuation Inputs The following table summarizes the fund's financial instruments, based on the inputs used to determine their fair values on December 31, 2023 (for further detail by category, please refer to the accompanying Portfolio of Investments):

(\$000s)	Level 1	Level 2	Level 3	Total Value
Assets				
Common Stocks	\$ 530,967 \$	218 \$	- \$	531,185
Convertible Preferred Stocks	_	-	1,285	1,285
Short-Term Investments	17,506	_	_	17,506
	 •		•	
Total	\$ 548,473 \$	218 \$	1,285 \$	549,976

### **NOTE 3 - OTHER INVESTMENT TRANSACTIONS**

Consistent with its investment objective, the fund engages in the following practices to manage exposure to certain risks and/or to enhance performance. The investment objective, policies, program, and risk factors of the fund are described more fully in the fund's prospectus and Statement of Additional Information.

**Restricted Securities** The fund invests in securities that are subject to legal or contractual restrictions on resale. Prompt sale of such securities at an acceptable price may be difficult and may involve substantial delays and additional costs.

Securities Lending The fund may lend its securities to approved borrowers to earn additional income. Its securities lending activities are administered by a lending agent in accordance with a securities lending agreement. Security loans generally do not have stated maturity dates, and the fund may recall a security at any time. The fund receives collateral in the form of cash or U.S. government securities. Collateral is maintained over the life of the loan in an amount not less than the value of loaned securities; any additional collateral required due to changes in security values is delivered to the fund the next business day. Cash collateral is invested in accordance with investment guidelines approved by fund management. Additionally, the lending agent indemnifies the fund against losses resulting from borrower default. Although risk is mitigated by the collateral and indemnification, the fund could experience a delay in recovering its securities and a possible loss of income or value if the borrower fails to return the securities, collateral investments decline in value, and the lending agent fails to perform. Securities lending revenue consists of earnings on invested collateral and borrowing fees, net of any rebates to the borrower, compensation to the lending agent, and other administrative costs. In accordance with GAAP, investments made with cash collateral are reflected in the accompanying financial statements, but collateral received in the form of securities is not. At December 31, 2023, there were no securities on loan.

**Other** Purchases and sales of portfolio securities other than in-kind transactions, if any, and short-term securities aggregated \$136,511,000 and \$149,889,000, respectively, for the year ended December 31, 2023.

### **NOTE 4 - FEDERAL INCOME TAXES**

Generally, no provision for federal income taxes is required since the fund intends to continue to qualify as a regulated investment company under Subchapter M of the Internal Revenue Code and distribute to shareholders all of its taxable income and gains. Distributions determined in accordance with federal income tax regulations may differ in amount or character from net investment income and realized gains for financial reporting purposes.

The fund files U.S. federal, state, and local tax returns as required. The fund's tax returns are subject to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return but which can be extended to six years in certain circumstances. Tax returns for open years have incorporated no uncertain tax positions that require a provision for income taxes.

Capital accounts within the financial reporting records are adjusted for permanent book/tax differences to reflect tax character but are not adjusted for temporary differences. The permanent book/tax adjustments, if any, have no impact on results of operations or net assets.

The tax character of distributions paid for the periods presented was as follows:

(\$000s)		December 31, 2023	De	cember 31, 2022
Ordinary income (including short-term capital gains, if any)		\$ 2,014	\$	106
Long-term capital gain		30,495	·	14,805
Total distributions		\$ 32,509	\$	14,911
At December 31, 2023, the tax-basis cost of investments (including derivative depreciation were as follows:	es, if any) and gross ur	nrealized appreciat	ion an	d
(\$000s)				
Cost of investments			\$	350,804
Unrealized appreciation			\$	212,064
Unrealized depreciation				(12,892)
Net unrealized appreciation (depreciation)			\$	199,172
At December 31, 2023, the tax-basis components of accumulated net earning	s (loss) were as follow	s:		
(\$000s)				
Undistributed long-term capital gain			\$	5,029
Net unrealized appreciation (depreciation)				199,172
Loss carryforwards and deferrals				(464)

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement purposes versus for tax purposes; these differences will reverse in a subsequent reporting period. The temporary differences relate primarily to the deferral of losses from wash sales. The loss carryforwards and deferrals primarily relate to post-October loss deferrals. The fund has elected to defer certain losses to the first day of the following fiscal year for post-October capital loss deferrals.

203.737

## **NOTE 5 - FOREIGN TAXES**

Total distributable earnings (loss)

The fund is subject to foreign income taxes imposed by certain countries in which it invests. Additionally, capital gains realized upon disposition of securities issued in or by certain foreign countries are subject to capital gains tax imposed by those countries. All taxes are computed in accordance with the applicable foreign tax law, and, to the extent permitted, capital losses are used to offset capital gains. Taxes attributable to income are accrued by the fund as a reduction of income. Current and deferred tax expense attributable to capital gains is reflected as a component of realized or change in unrealized gain/loss on securities in the accompanying financial statements. To the extent that the fund has country specific capital loss carryforwards, such carryforwards are applied against net unrealized gains when determining the deferred tax liability. Any deferred tax liability incurred by the fund is included in either Other liabilities or Deferred tax liability on the accompanying Statement of Assets and Liabilities.

### **NOTE 6 - RELATED PARTY TRANSACTIONS**

The fund is managed by T. Rowe Price Associates, Inc. (Price Associates), a wholly owned subsidiary of T. Rowe Price Group, Inc. (Price Group). Price Associates has entered into a sub-advisory agreement(s) with one or more of its wholly owned subsidiaries, to provide investment advisory services to the fund. The investment management and administrative agreement between the fund and Price Associates provides for an all-inclusive annual fee equal to 0.85% of the fund's average daily net assets. The fee is computed daily

and paid monthly. The all-inclusive fee covers investment management services and ordinary, recurring operating expenses but does not cover interest expense; expenses related to borrowing, taxes, and brokerage; or nonrecurring, extraordinary expenses. Effective July 1, 2018, Price Associates has contractually agreed, at least through April 30, 2024 to waive a portion of its management fee in order to limit the fund's management fee to 0.84% of the fund's average daily net assets. Thereafter, this agreement automatically renews for one-year terms unless terminated or modified by the fund's Board. Fees waived and expenses paid under this agreement are not subject to reimbursement to Price Associates by the fund. The total management fees waived were \$50,000 and allocated ratably in the amounts of \$45,000 and \$5,000 for the Mid-Cap Growth Portfolio Class and Mid-Cap Growth Portfolio-II Class, respectively, for the year ended December 31, 2023.

In addition, the fund has entered into service agreements with Price Associates and a wholly owned subsidiary of Price Associates, each an affiliate of the fund. Price Associates provides certain accounting and administrative services to the funds. T. Rowe Price Services, Inc. provides shareholder and administrative services in its capacity as the fund's transfer and dividend-disbursing agent. Pursuant to the all-inclusive fee arrangement under the investment management and administrative agreement, expenses incurred by the funds pursuant to these service agreements are paid by Price Associates.

T. Rowe Price Investment Services, Inc. (Investment Services) serves as distributor to the fund. Pursuant to an underwriting agreement, no compensation for any distribution services provided is paid to Investment Services by the fund (except for 12b-1 fees under a Boardapproved Rule 12b-1 plan).

The fund may invest its cash reserves in certain open-end management investment companies managed by Price Associates and considered affiliates of the fund: the T. Rowe Price Government Reserve Fund or the T. Rowe Price Treasury Reserve Fund, organized as money market funds (together, the Price Reserve Funds). The Price Reserve Funds are offered as short-term investment options to mutual funds, trusts, and other accounts managed by Price Associates or its affiliates and are not available for direct purchase by members of the public. Cash collateral from securities lending, if any, is invested in the T. Rowe Price Government Reserve Fund. The Price Reserve Funds pay no investment management fees.

The fund may participate in securities purchase and sale transactions with other funds or accounts advised by Price Associates (cross trades), in accordance with procedures adopted by the fund's Board and Securities and Exchange Commission rules, which require, among other things, that such purchase and sale cross trades be effected at the independent current market price of the security. During the year ended December 31, 2023, the fund had no purchases or sales cross trades with other funds or accounts advised by Price Associates.

Price Associates has voluntarily agreed to reimburse the fund from its own resources on a monthly basis for the cost of investment research embedded in the cost of the fund's securities trades and for the cost of brokerage commissions embedded in the cost of the fund's foreign currency transactions. These agreements may be rescinded at any time. For the year ended December 31, 2023, these reimbursements amounted to \$18,000, which is included in Net realized gain (loss) on Securities in the Statement of Operations.

# **NOTE 7 - OTHER MATTERS**

Unpredictable events such as environmental or natural disasters, war and conflict, terrorism, geopolitical events, and public health epidemics and similar public health threats may significantly affect the economy and the markets and issuers in which the fund invests. Certain events may cause instability across global markets, including reduced liquidity and disruptions in trading markets, while some events may affect certain geographic regions, countries, sectors, and industries more significantly than others, and exacerbate other pre-existing political, social, and economic risks.

The global outbreak of COVID-19 and the related governmental and public responses have led and may continue to lead to increased market volatility and the potential for illiquidity in certain classes of securities and sectors of the market either in specific countries or worldwide.

In February 2022, Russian forces entered Ukraine and commenced an armed conflict, leading to economic sanctions imposed on Russia that target certain of its citizens and issuers and sectors of the Russian economy, creating impacts on Russian-related stocks and debt and greater volatility in global markets.

In March 2023, the banking industry experienced heightened volatility, which sparked concerns of potential broader adverse market conditions. The extent of impact of these events on the US and global markets is highly uncertain.

These are recent examples of global events which may have a negative impact on the values of certain portfolio holdings or the fund's overall performance. Management is actively monitoring the risks and financial impacts arising from these events.

# **NOTE 8 - SUBSEQUENT EVENT**

At a meeting held on October 23, 2023, the Board approved an amendment to the fund's investment management agreement to change the fund's all-inclusive fee structure to one where the management fee covers only investment management and other specified services, but operating expenses (including payments for administrative services) are borne by the fund, effective May 1, 2024.

In addition, effective May 1, 2024, the Board approved implementing an indefinite contractual total expense limitation at the level of the fund's current all-inclusive fee rate (including any management fee waivers), excluding interest, taxes, brokerage and other transaction costs, and nonrecurring and extraordinary expenses (expenses currently excluded from the fund's all-inclusive fee rate).

### Report of Independent Registered Public Accounting Firm

To the Board of Directors of T. Rowe Price Equity Series, Inc. and Shareholders of T. Rowe Price Mid-Cap Growth Portfolio

# **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the portfolio of investments, of T. Rowe Price Mid-Cap Growth Portfolio (one of the portfolios constituting T. Rowe Price Equity Series, Inc., referred to hereafter as the "Fund") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Fund as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

# **Basis for Opinion**

These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on the Fund's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Fund in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/ PricewaterhouseCoopers LLP

Baltimore, Maryland February 12, 2024

We have served as the auditor of one or more investment companies in the T. Rowe Price group of investment companies since 1973.

### TAX INFORMATION (UNAUDITED) FOR THE TAX YEAR ENDED 12/31/23

We are providing this information as required by the Internal Revenue Code. The amounts shown may differ from those elsewhere in this report because of differences between tax and financial reporting requirements.

The fund's distributions to shareholders included:

- \$2,014,000 from short-term capital gains
- \$30,495,000 from long-term capital gains, subject to a long-term capital gains tax rate of not greater than 20%

For taxable non-corporate shareholders, \$3,288,000 of the fund's income represents qualified dividend income subject to a long-term capital gains tax rate of not greater than 20%.

For corporate shareholders, \$3,164,000 of the fund's income qualifies for the dividends-received deduction.

# INFORMATION ON PROXY VOTING POLICIES, PROCEDURES, AND RECORDS

A description of the policies and procedures used by T. Rowe Price funds to determine how to vote proxies relating to portfolio securities is available in each fund's Statement of Additional Information. You may request this document by calling 1-800-225-5132 or by accessing the SEC's website, sec.gov.

The description of our proxy voting policies and procedures is also available on our corporate website. To access it, please visit the following Web page:

https://www.troweprice.com/corporate/us/en/utility/policies.html

Scroll down to the section near the bottom of the page that says, "Proxy Voting Guidelines." Click on the links in the shaded box.

Each fund's most recent annual proxy voting record is available on our website and through the SEC's website. To access it through T. Rowe Price, visit the website location shown above, and scroll down to the section near the bottom of the page that says, "Proxy Voting Records." Click on the Proxy Voting Records link in the shaded box.

# **HOW TO OBTAIN QUARTERLY PORTFOLIO HOLDINGS**

The fund files a complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's reports on Form N-PORT are available electronically on the SEC's website (sec.gov). In addition, most T. Rowe Price funds disclose their first and third fiscal quarter-end holdings on **troweprice.com**.

# TAILORED SHAREHOLDER REPORTS FOR MUTUAL FUNDS AND EXCHANGE TRADED FUNDS

In October 2022, the Securities and Exchange Commission (SEC) adopted rule and form amendments requiring Mutual Funds and Exchange-Traded Funds to transmit concise and visually engaging streamlined annual and semiannual reports that highlight key information to shareholders. Other information, including financial statements, will no longer appear in the funds' shareholder reports but will be available online, delivered free of charge upon request, and filed on a semiannual basis on Form N-CSR. The rule and form amendments have a compliance date of July 24, 2024.

#### LIQUIDITY RISK MANAGEMENT PROGRAM

In accordance with Rule 22e-4 (Liquidity Rule) under the Investment Company Act of 1940, as amended, the fund has established a liquidity risk management program (Liquidity Program) reasonably designed to assess and manage the fund's liquidity risk, which generally represents the risk that the fund would not be able to meet redemption requests without significant dilution of remaining investors' interests in the fund. The fund's Board of Directors (Board) has appointed the fund's investment adviser, T. Rowe Price Associates, Inc. (Adviser), as the administrator of the Liquidity Program. As administrator, the Adviser is responsible for overseeing the day-to-day operations of the Liquidity Program and, among other things, is responsible for assessing, managing, and reviewing with the Board at least annually the liquidity risk of each T. Rowe Price fund. The Adviser has delegated oversight of the Liquidity Program to a Liquidity Risk Committee (LRC), which is a crossfunctional committee composed of personnel from multiple departments within the Adviser.

The Liquidity Program's principal objectives include supporting the T. Rowe Price funds' compliance with limits on investments in illiquid assets and mitigating the risk that the fund will be unable to timely meet its redemption obligations. The Liquidity Program also includes a number of elements that support the management and assessment of liquidity risk, including an annual assessment of factors that influence the fund's liquidity and the periodic classification and reclassification of a fund's investments into categories that reflect the LRC's assessment of their relative liquidity under current market conditions. Under the Liquidity Program, every investment held by the fund is classified at least monthly into one of four liquidity categories based on estimations of the investment's ability to be sold during designated time frames in current market conditions without significantly changing the investment's market value.

As required by the Liquidity Rule, at a meeting held on July 24, 2023, the Board was presented with an annual assessment that was prepared by the LRC on behalf of the Adviser and addressed the operation of the Liquidity Program and assessed its adequacy and effectiveness of implementation, including any material changes to the Liquidity Program and the determination of each fund's Highly Liquid Investment Minimum (HLIM). The annual assessment included consideration of the following factors, as applicable: the fund's investment strategy and liquidity of portfolio investments during normal and reasonably foreseeable stressed conditions, including whether the investment strategy is appropriate for an open-end fund, the extent to which the strategy involves a relatively concentrated portfolio or large positions in particular issuers, and the use of borrowings for investment purposes and derivatives; short-term and long-term cash flow projections covering both normal and reasonably foreseeable stressed conditions; and holdings of cash and cash equivalents, as well as available borrowing arrangements.

For the fund and other T. Rowe Price funds, the annual assessment incorporated a report related to a fund's holdings, shareholder and portfolio concentration, any borrowings during the period, cash flow projections, and other relevant data for the period of April 1, 2022, through March 31, 2023. The report described the methodology for classifying a fund's investments (including any derivative transactions) into one of four liquidity categories, as well as the percentage of a fund's investments assigned to each category. It also explained the methodology for establishing a fund's HLIM and noted that the LRC reviews the HLIM assigned to each fund no less frequently than annually.

During the period covered by the annual assessment, the LRC has concluded, and reported to the Board, that the Liquidity Program continues to operate adequately and effectively and is reasonably designed to assess and manage the fund's liquidity risk.

### **ABOUT THE PORTFOLIO'S DIRECTORS AND OFFICERS**

Your fund is overseen by a Board of Directors (Board) that meets regularly to review a wide variety of matters affecting or potentially affecting the fund, including performance, investment programs, compliance matters, advisory fees and expenses, service providers, and business and regulatory affairs. The Board elects the fund's officers, who are listed in the final table. The directors who are also employees or officers of T. Rowe Price are considered to be "interested" directors as defined in Section 2(a)(19) of the 1940 Act because of their relationships with T. Rowe Price Associates, Inc. (T. Rowe Price), and its affiliates. The business address of each director and officer is 100 East Pratt Street, Baltimore, Maryland 21202. The Statement of Additional Information includes additional information about the fund directors and is available without charge by calling a T. Rowe Price representative at 1-800-638-5660.

# INDEPENDENT DIRECTORS(a)

Name (Year of Birth) Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
Teresa Bryce Bazemore (1959) 2018 [209]	President and Chief Executive Officer, Federal Home Loan Bank of San Francisco (2021 to present); Chief Executive Officer, Bazemore Consulting LLC (2018 to 2021); Director, Chimera Investment Corporation (2017 to 2021); Director, First Industrial Realty Trust (2020 to present); Director, Federal Home Loan Bank of Pittsburgh (2017 to 2019)
Melody Bianchetto (1966) 2023 [209]	Vice President for Finance, University of Virginia (2015 to 2023)
Bruce W. Duncan (1951) 2013 [209]	President, Chief Executive Officer, and Director, CyrusOne, Inc. (2020 to 2021); Chair of the Board (2016 to 2020) and President (2009 to 2016), First Industrial Realty Trust, owner and operator of industrial properties; Member, Investment Company Institute Board of Governors (2017 to 2019); Member, Independent Directors Council Governing Board (2017 to 2019); Senior Advisor, KKR (2018 to 2022); Director, Boston Properties (2016 to present); Director, Marriott International, Inc. (2016 to 2020)
Robert J. Gerrard, Jr. (1952) 2012 [209]	Chair of the Board, all funds (July 2018 to present)
Paul F. McBride (1956) 2013 [209]	Advisory Board Member, Vizzia Technologies (2015 to present); Board Member, Dunbar Armored (2012 to 2018)
Mark J. Parrell (1966) 2023 [209]	Board of Trustees Member and Chief Executive Officer (2019 to present), President (2018 to present), Executive Vice President and Chief Financial Officer (2007 to 2018), and Senior Vice President and Treasurer (2005 to 2007), EQR; Member, Nareit Dividends Through Diversity, Equity & Inclusion CEO Council and Chair, Nareit 2021 Audit and Investment Committee (2021); Advisory Board, Ross Business School at University of Michigan (2015 to 2016); Member, National Multifamily Housing Council and served as Chair of the Finance Committee (2015 to 2016); Member, Economic Club of Chicago; Director, Brookdale Senior Living, Inc. (2015 to 2017); Director, Aviv REIT, Inc. (2013 to 2015); Director, Real Estate Roundtable and the 2022 Executive Board Nareit; Board of Directors and Chair of the Finance Committee, Greater Chicago Food Depository
Kellye L. Walker (1966) 2021 [209]	Executive Vice President and Chief Legal Officer, Eastman Chemical Company (April 2020 to present); Executive Vice President and Chief Legal Officer, Huntington Ingalls Industries, Inc. (January 2015 to March 2020); Director, Lincoln Electric Company (October 2020 to present)

<sup>(</sup>a) All information about the independent directors was current as of December 31, 2022, unless otherwise indicated, except for the number of portfolios overseen, which is current as of the date of this report.

# INTERESTED DIRECTORS(a)

Name (Year of Birth) Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
David Oestreicher (1967) 2018 [209]	Director, Vice President, and Secretary, T. Rowe Price, T. Rowe Price Investment Services, Inc., T. Rowe Price Retirement Plan Services, Inc., and T. Rowe Price Services, Inc.; Director and Secretary, T. Rowe Price Investment Management, Inc. (Price Investment Management); Vice President and Secretary, T. Rowe Price International (Price International); Vice President, T. Rowe Price Hong Kong (Price Hong Kong), T. Rowe Price Japan (Price Japan), and T. Rowe Price Singapore (Price Singapore); General Counsel, Vice President, and Secretary, T. Rowe Price Group, Inc.; Chair of the Board, Chief Executive Officer, President, and Secretary, T. Rowe Price Trust Company; Principal Executive Officer and Executive Vice President, all funds
Eric L. Veiel, CFA (1972) 2022 [209]	Director and Vice President, T. Rowe Price; Vice President, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company; Vice President, Global Funds

<sup>(</sup>a) All information about the interested directors was current as of December 31, 2022, unless otherwise indicated, except for the number of portfolios overseen, which is current as of the date of this report.

# **OFFICERS**

Name (Year of Birth) Position Held With Equity Series	Principal Occupation(s)
Ziad Bakri, M.D., CFA (1980) Executive Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Brian W.H. Berghuis, CFA (1958) Executive Vice President	Vice President, Price Investment Management, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Armando (Dino) Capasso (1974) Chief Compliance Officer and Vice President	Chief Compliance Officer and Vice President, T. Rowe Price and Price Investment Management; Vice President, T. Rowe Price Group, Inc.; formerly, Chief Compliance Officer, PGIM Investments LLC and AST Investment Services, Inc. (ASTIS) (to 2022); Chief Compliance Officer, PGIM Retail Funds complex and Prudential Insurance Funds (to 2022); Vice President and Deputy Chief Compliance Officer, PGIM Investments LLC and ASTIS (to 2019)
Jean-Marc Corredor (1976) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, Price Investment Management, T. Rowe Price Services, Inc., and T. Rowe Price Trust Company
Alan S. Dupski, CPA (1982) Principal Financial Officer, Vice President, and Treasurer	Vice President, Price Investment Management, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Cheryl Emory (1963) Assistant Secretary	Assistant Vice President and Assistant Secretary, T. Rowe Price; Assistant Secretary, T. Rowe Price Group, Inc., Price Investment Management, Price International, Price Hong Kong, Price Singapore, T. Rowe Price Investment Services, Inc., T. Rowe Price Retirement Plan Services, Inc., and T. Rowe Price Trust Company
Paul D. Greene II (1978) Executive Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Cheryl Hampton, CPA (1969) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company; formerly, Tax Director, Invesco Ltd. (to 2021); Vice President, Oppenheimer Funds, Inc. (to 2019)
Stephon Jackson, CFA (1962) Co-president	Director and President, Price Investment Management; Vice President, T. Rowe Price Group, Inc.
Benjamin Kersse, CPA (1989) Vice President	Vice President, T. Rowe Price and T. Rowe Price Trust Company
Paul J. Krug, CPA (1964) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
John D. Linehan, CFA (1965) Executive Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company

Unless otherwise noted, officers have been employees of T. Rowe Price or Price International for at least 5 years.

# **OFFICERS (CONTINUED)**

Name (Year of Birth) Position Held With Equity Series	Principal Occupation(s)
Robert P. McDavid (1972) Vice President	Vice President, T. Rowe Price, Price Investment Management, T. Rowe Price Investment Services, Inc., and T. Rowe Price Trust Company
Joshua Nelson (1977) Co-president	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, and T. Rowe Price Trust Company
Fran M. Pollack-Matz (1961) Vice President and Secretary	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., T. Rowe Price Investment Services, Inc., T. Rowe Price Services, Inc., and T. Rowe Price Trust Company
Richard Sennett, CPA (1970) Assistant Treasurer	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Charles M. Shriver, CFA (1967) Executive Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, and T. Rowe Price Trust Company
Neil Smith (1972) Executive Vice President	Vice President, Price Hong Kong, Price Japan, Price Singapore, T. Rowe Price Group, Inc., and Price International
Toby M. Thompson, CAIA, CFA (1971) Executive Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, and T. Rowe Price Trust Company
John F. Wakeman (1962) Vice President	Vice President, Price Investment Management and T. Rowe Price Group, Inc.
Justin P. White (1981) Executive Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Ellen York (1988) Vice President	Vice President, Price Investment Management and T. Rowe Price

Unless otherwise noted, officers have been employees of T. Rowe Price or Price International for at least 5 years.



# T.RowePrice

100 East Pratt Street Baltimore, MD 21202

Call 1-800-225-5132 to request a prospectus or summary prospectus; each includes investment objectives, risks, fees, expenses, and other information that you should read and consider carefully before investing.



# **ANNUAL REPORT**

December 31, 2023

T. ROWE PRICE

# Moderate Allocation Portfolio

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### **HIGHLIGHTS**

- The Moderate Allocation Portfolio underperformed its combined index portfolio benchmark but outperformed its Lipper peer group average for the 12 months ended December 31, 2023.
- Security selection in the portfolio's underlying investments had a negative impact, especially in the U.S. investment-grade fixed income strategy. Tactical allocation decisions in the fund's underlying investments weighed on relative performance. However, the inclusion of diversifying fixed income sectors such as high yield and emerging markets bonds contributed to relative results.
- We maintain a balanced view on equities supported by positive earnings trends and loosening financial conditions against a backdrop
  of softening growth and elevated valuations.
- We believe that the Moderate Allocation Portfolio's diversification and flexibility to identify investment opportunities across sectors and regions should allow us to generate solid long-term returns in a variety of market environments.

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Market Commentary

# **Dear Investor**

Global stock and bond indexes were broadly positive during 2023 as most economies managed to avoid the recession that was widely predicted at the start of the year. Technology companies benefited from investor enthusiasm for artificial intelligence developments and led the equity rally, while fixed income benchmarks rebounded late in the year amid falling interest rates.

For the 12-month period, the technology-oriented Nasdaq Composite Index rose about 43%, reaching a record high and producing the strongest result of the major benchmarks. Growth stocks outperformed value shares, and developed market stocks generally outpaced their emerging markets counterparts. Currency movements were mixed over the period, although a weaker dollar versus major European currencies was beneficial for U.S. investors in European securities.

Within the S&P 500 Index, which finished the year just short of the record level it reached in early 2022, the information technology, communication services, and consumer discretionary sectors were all lifted by the tech rally and recorded significant gains. A small group of tech-oriented mega-cap companies helped drive much of the market's advance. Conversely, the defensive utilities sector had the weakest returns in the growth-focused environment, and the energy sector also lost ground amid declining oil prices. The financials sector bounced back from the failure of three large regional banks in the spring and was one of the topperforming segments in the second half of the year.

The U.S. economy was the strongest among the major markets during the period, with gross domestic product growth coming in at 4.9% in the third quarter, the highest since the end of 2021. Corporate fundamentals were also broadly supportive. Year-over-year earnings growth contracted in the first and second quarters of 2023, but results were better than expected, and earnings growth turned positive again in the third quarter. Markets remained resilient despite a debt ceiling standoff in the U.S., the outbreak of war in the Middle East, the continuing conflict between Russia and Ukraine, and a sluggish economic recovery in China.

Inflation remained a concern, but investors were encouraged by the slowing pace of price increases as well as the possibility that the Federal Reserve was nearing the end of its rate-hiking cycle. The Fed held rates steady after raising its short-term lending benchmark rate to a target range of 5.25% to 5.50% in July, the highest level since March 2001, and at its final meeting of the year in December, the central bank indicated that there could be three 25-basis-point rate cuts in 2024.

The yield of the benchmark 10-year U.S. Treasury note briefly reached 5.00% in October for the first time since late 2007 before falling back to 3.88% by period-end, the same level where it started the year, amid cooler-than-expected inflation readings and less-hawkish Fed rhetoric. Fixed income benchmarks were lifted late in the year by falling yields. Investment-grade and high yield corporate bonds produced solid returns, supported by the higher coupons that have become available over the past year, as well as increasing hopes that the economy might be able to avoid a recession.

Global economies and markets showed surprising resilience in 2023, but considerable uncertainty remains as we look ahead. Geopolitical events, the path of monetary policy, and the impact of the Fed's rate hikes on the economy all raise the potential for additional volatility. We believe this environment makes skilled active management a critical tool for identifying risks and opportunities, and our investment teams will continue to use fundamental research to help identify securities that can add value to your portfolio over the long term.

Thank you for your continued confidence in T. Rowe Price.

Sincerely,

Robert Sharps
CEO and President

Solut Sh. Shenfu

Management's Discussion of Fund Performance

### **INVESTMENT OBJECTIVE**

The fund seeks the highest total return over time consistent with an emphasis on both capital appreciation and income.

### **FUND COMMENTARY**

### How did the fund perform in the past 12 months?

The Moderate Allocation Portfolio returned 15.35% in the 12 months ended December 31, 2023. The portfolio underperformed its combined index portfolio benchmark but outperformed the Morningstar Moderate Target Risk Index and its peer group, the Lipper Variable Annuity Underlying Mixed-Asset Target Allocation Moderate Funds Average. (*Past performance cannot guarantee future results.*)

PERFORMANCE COMPARISON					
	Total Return				
Periods Ended 12/31/23	6 Months	12 Months			
Moderate Allocation Portfolio	6.07%	15.35%			
Morningstar Moderate Target					
Risk Index	5.90	13.22			
Combined Index Portfolio*	5.92	15.75			
Lipper Variable Annuity Underlying Mixed-Asset Target Allocation					
Moderate Funds Average	5.38	13.48			

<sup>\*</sup>For a definition of the combined index portfolio, please see the Benchmark Information section.

# What factors influenced the fund's performance?

Overall, security selection in the portfolio's underlying investments had a negative impact on relative performance. Following a year marked by interest rate volatility and a duration rally in the fourth quarter, security selection in the U.S. investment-grade fixed income allocation detracted, driven by our U.S. yield curve positioning. Selection among emerging markets stocks also held back relative performance as holdings in China weighed. However, security selection within the U.S. large-cap growth equity allocation delivered strong results, contributing to relative performance as our holdings in companies exposed to artificial intelligence in the communication services sector were beneficial.

Tactical decisions to overweight and underweight asset classes weighed on relative returns. A modest underweight to equity for part of the period had a negative impact as equities delivered strong double-digit performance. Following market declines in the late summer and early fall, we increased our equity allocation to neutral at more attractive valuation levels. Among U.S. large-cap equities, a modest overweight to value stocks early in 2023 held back performance, although we moved to neutral in the middle of the period. Over the full year, growth equities solidly outperformed value equities.

The inclusion of diversifying sectors lifted relative returns, led by the inclusion of diversifying fixed income sectors. Exposure to high yield debt added value. High yield bonds, which are less sensitive to interest rate movements and more sensitive to credit-related trends, strongly outperformed higher-quality bonds for the period. The inclusion of emerging markets bonds also bolstered relative returns as the segment produced strong returns in dollar terms in 2023. However, out-of-benchmark exposure to real assets equities moderated this positive impact as global equities outperformed real assets for the year. While real assets produced positive returns, performance was hampered by falling energy prices.

# How is the fund positioned?

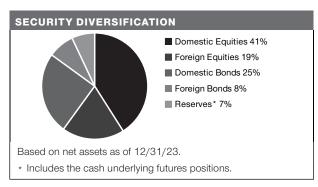
#### Stocks

We maintain a balanced view on equities supported by positive earnings trends and loosening financial conditions against a backdrop of softening growth and elevated valuations. We remain overweight areas of the market with supportive valuations that could benefit from lower interest rates or a broader easing of financial conditions, such as small-caps and emerging markets. Following a period of weakness, we added to our position in real assets equities, shifting to an overweight in June, as a potential hedge if inflation remains elevated or inflects higher.

In 2022, we introduced a tactical allocation to large-cap core equities that generally have a higher-quality profile and are less cyclical or have less interest rate sensitivity than value or growth styles, respectively. In 2023, we added the strategy to the underlying funds as part of our strategic design.

### Bonds

Within fixed income, we are overweight to bonds relative to cash. We added to U.S. Treasury inflation protected securities on more attractive valuations and as a hedge against a reversal in recently favorable inflation trends. We remain overweight to high yield and emerging markets bonds on still attractive absolute yield levels and reasonably supportive fundamentals



### What is portfolio management's outlook?

The rally in global markets during the fourth quarter reversed the downward trend from the previous quarter and ended the year on a strong note for both equities and fixed income. Economic data during the year suggested that tight financial conditions have had the intended effect of reining in inflation, as consumer spending slowed, labor markets softened, and manufacturing data trended lower. Against this backdrop, we have seen growing optimism for an engineered soft landing for the U.S. economy. Indeed, after more than a year and a half of unprecedented tightening from global central banks, the Fed signaled a long-awaited pivot in monetary policy in mid-December. While central banks in Europe and other major developed regions did not immediately follow suit with the Fed's dovish rhetoric, expectations that rates could fall faster and sooner than previously anticipated mounted as 2023 drew to a close.

A shift toward looser monetary policy could certainly represent a tailwind for growth, but risks remain, particularly if further economic data suggesting stickier inflation prompt a more cautious approach that disappoints market hopes. Divergent approaches to monetary policy present an additional concern, as inflation remains elevated in Europe giving the European Central Bank cause for caution and the Bank of Japan, meanwhile, has only recently begun to contemplate incremental tightening. With the path for monetary policy and economic growth still uncertain, we expect volatility to continue as markets look for clarity in the near-term forecast. Key risks to global markets include a deeper-than-expected decline in growth, central bank missteps, a reacceleration in inflation, the trajectory of Chinese growth, and geopolitical tensions. While we elected to add to risk assets during the period, we continue to evaluate long-term valuations and early indications of stabilization or improvement in macroeconomic conditions as we assess compelling opportunities and potential risks in the year ahead.

The views expressed reflect the opinions of T. Rowe Price as of the date of this report and are subject to change based on changes in market, economic, or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

### **RISKS OF INVESTING**

Stocks generally fluctuate in value more than bonds and may decline significantly over short time periods. There is a chance that stock prices overall will decline because stock markets tend to move in cycles, with periods of rising and falling prices. The value of stocks held by the fund may decline due to general weakness or volatility in the stock markets in which the fund invests or because of factors that affect a particular company or industry.

Investing in the securities of non-U.S. issuers involves special risks not typically associated with investing in U.S. issuers. Risks can result from varying stages of economic and political development; differing regulatory environments, trading days, and accounting standards; and higher transaction costs of non-U.S. markets. Non-U.S. investments are also subject to currency risk, or a decline in the value of a foreign currency versus the U.S. dollar, which reduces the dollar value of securities denominated in that currency. The risks of investing outside the U.S. are heightened for any investments in emerging markets, which are susceptible to greater volatility than investments in developed markets.

Fixed income markets can be adversely affected by economic and other market developments. Fixed income securities are subject to interest rate risk, the decline in bond prices that usually accompanies a rise in interest rates. Longer-maturity bonds typically decline more than bonds with shorter maturities. Funds that invest in bonds are also subject to credit risk, the chance that any fund holding could have its credit rating downgraded or that a bond issuer will default (fail to make timely payments of interest or principal), potentially reducing the fund's income level and share price.

### **BENCHMARK INFORMATION**

Combined Index Portfolio: An unmanaged blended index benchmark composed of the following underlying indexes as of December 31, 2023: 60% stocks (42% Russell 3000 Index, 18% MSCI All Country World ex-US Index Net), 30% bonds (Bloomberg U.S. Aggregate Bond Index), and 10% money market securities (FTSE 3-Month Treasury Bill Index).

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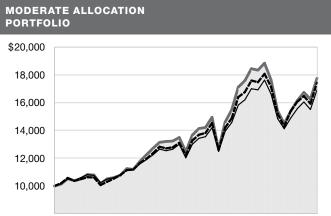
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# **GROWTH OF \$10,000**

This chart shows the value of a hypothetical \$10,000 investment in the portfolio over the past 10 fiscal year periods or since inception (for portfolios lacking 10-year records). The result is compared with benchmarks, which include a broad-based market index and may also include a peer group average or index. Market indexes do not include expenses, which are deducted from portfolio returns as well as mutual fund averages and indexes.



12/13 12/14 12/15 12/16 12/17 12/18 12/19 12/20 12/21 12/22 12/23

### As of 12/31/23

_	Moderate Allocation Portfolio	\$17,752
	Morningstar Moderate Target Risk Index	17,439
	Lipper Variable Annuity Underlying	16,926
	Mixed-Asset Target Allocation Moderate	
	Funds Average	

# **AVERAGE ANNUAL COMPOUND TOTAL RETURN**

Periods Ended 12/31/23	1 Year	5 Years	10 Years
Moderate Allocation Portfolio	15.35%	7.31%	5.91%

The fund's performance information represents only past performance and is not necessarily an indication of future results. Current performance may be lower or higher than the performance data cited. Share price, principal value, and return will vary, and you may have a gain or loss when you sell your shares. For the most recent month-end performance, please contact a T. Rowe Price representative at 1-800-469-6587 (financial advisors, or customers who have an advisor, should call 1-800-638-8790). Total returns do not include charges imposed by your insurance company's separate account. If these had been included, performance would have been lower.

This table shows how the portfolio would have performed each year if its actual (or cumulative) returns for the periods shown had been earned at a constant rate. Average annual total return figures include changes in principal value, reinvested dividends, and capital gain distributions. When assessing performance, investors should consider both short- and long-term returns.

### **FUND EXPENSE EXAMPLE**

As a mutual fund shareholder, you may incur two types of costs: (1) transaction costs, such as redemption fees or sales loads, and (2) ongoing costs, including management fees, distribution and service (12b-1) fees, and other fund expenses. The following example is intended to help you understand your ongoing costs (in dollars) of investing in the fund and to compare these costs with the ongoing costs of investing in other mutual funds. The example is based on an investment of \$1,000 invested at the beginning of the most recent six-month period and held for the entire period.

#### **Actual Expenses**

The first line of the following table (Actual) provides information about actual account values and actual expenses. You may use the information on this line, together with your account balance, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number on the first line under the heading "Expenses Paid During Period" to estimate the expenses you paid on your account during this period.

### **Hypothetical Example for Comparison Purposes**

The information on the second line of the table (Hypothetical) is based on hypothetical account values and expenses derived from the fund's actual expense ratio and an assumed 5% per year rate of return before expenses (not the fund's actual return). You may compare the ongoing costs of investing in the fund with other funds by contrasting this 5% hypothetical example and the 5% hypothetical examples that appear in the shareholder reports of the other funds. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period.

You should also be aware that the expenses shown in the table highlight only your ongoing costs and do not reflect any transaction costs, such as redemption fees or sales loads. Therefore, the second line of the table is useful in comparing ongoing costs only and will not help you determine the relative total costs of owning different funds. To the extent a fund charges transaction costs, however, the total cost of owning that fund is higher.

# MODERATE ALLOCATION PORTFOLIO

	Beginning Account Value 7/1/23	Ending Account Value 12/31/23	Expenses Paid During Period* 7/1/23 to 12/31/23
Actual	\$1,000.00	\$1,060.70	\$3.69
Hypothetical (assumes 5% return before expenses)	1,000.00	1,021.63	3.62

<sup>\*</sup> Expenses are equal to the fund's annualized expense ratio for the 6-month period (0.71%), multiplied by the average account value over the period, multiplied by the number of days in the most recent fiscal half year (184), and divided by the days in the year (365) to reflect the half-year period.

# FINANCIAL HIGHLIGHTS

For a share outstanding throughout each period

NET ASSET VALUE		Year Ended 12/31/23	12/31/22	12/31/21	12/31/20	12/31/19
Beginning of period	\$	17.81	\$ 22.63	\$ 22.92	\$ 20.96	\$ 18.31
Investment activities  Net investment income <sup>(1)(2)</sup> Net realized and unrealized gain/loss  Total from investment activities		0.43 2.27 2.70	 0.31 (4.45) (4.14)	 0.24 2.02 2.26	 0.28 2.72 3.00	 0.38 3.22 3.60
Distributions Net investment income Net realized gain Total distributions		(0.44) (0.05) (0.49)	 (0.30) (0.38) (0.68)	 (0.24) (2.31) (2.55)	 (0.29) (0.75) (1.04)	 (0.40) (0.55) (0.95)
NET ASSET VALUE End of period	\$	20.02	\$ 17.81	\$ 22.63	\$ 22.92	\$ 20.96
Ratios/Supplemental Data						
Total return <sup>(2)(3)</sup>		15.35%	 (18.31)%	 10.06%	 14.54%	 19.80%
Ratios to average net assets: <sup>(2)</sup> Gross expenses before waivers/payments by Price Associates Net expenses after waivers/payments by Price Associates	. – – – –	0.90%	 0.90%	 0.90%	 0.90%	 0.90%
Net investment income		2.28%	 1.60%	 1.00%	 1.32%	 1.88%
Portfolio turnover rate  Net assets, end of period (in thousands)	\$	78.1% 183,817	\$ 98.9% 161,984	\$ 82.3% 209,296	\$ 65.5% 200,870	\$ 91.2% 184,645

<sup>(1)</sup> Per share amounts calculated using average shares outstanding method.

<sup>(2)</sup> See Note 7 for details of expense-related arrangements with Price Associates.

<sup>(3)</sup> Total return reflects the rate that an investor would have earned on an investment in the fund during each period, assuming reinvestment of all distributions, and payment of no redemption or account fees, if applicable.

December 31, 2023

PORTFOLIO OF INVESTMENTS*	Shares/Par	\$ Value		Shares/Par	\$ Valu
(Cost and value in \$000s)	-		(Cost and value in \$000s)		
ASSET-BACKED SECURITIES 1.4%			HPEFS Equipment Trust		
AmeriCredit Automobile Receivables Trust			Series 2023-2A, Class C 6.48%, 1/21/31 (1)	100,000	10
Series 2020-3, Class D 1.49%, 9/18/26	20,000	19	HPS Loan Management Series 2021-16A, Class A1, CLO, FRN		
AmeriCredit Automobile Receivables Trust Series 2021-1, Class D			3M TSFR + 1.402%, 6.814%, 1/23/35 (1) MVW	250,000	24
1.21%, 12/18/26	23,000	21	Series 2023-1A, Class A		
AmeriCredit Automobile Receivables Trust			4.93%, 10/20/40 (1)	83,744	
Series 2023-1, Class C	35,000	25	MVW		
5.80%, 12/18/28  Amur Equipment Finance Receivables X	35,000	35	Series 2023-2A, Class A 6.18%, 11/20/40 (1)	98,448	10
Series 2022-1A, Class D			Octane Receivables Trust		
2.91%, 8/21/28 (1)	100,000	93	Series 2023-1A, Class A		
Carlyle U.S.			5.87%, 5/21/29 (1)	63,568	6
Series 2019-4A, Class A11R, CLO, FRN	050.000	0.40	Progress Residential Trust		
3M TSFR + 1.32%, 6.714%, 4/15/35 (1)	250,000	248	Series 2023-SFR2, Class A	100.000	0
CarMax Auto Owner Trust Series 2021-1, Class D			4.50%, 10/17/28 (1) Santander Drive Auto Receivables Trust	100,000	
1.28%, 7/15/27	90,000	85	Series 2021-4, Class D		
CarMax Auto Owner Trust			1.67%, 10/15/27	25,000	2
Series 2022-1, Class D			Santander Drive Auto Receivables Trust		
2.47%, 7/17/28	20,000	19	Series 2022-2, Class C		
Carvana Auto Receivables Trust			3.76%, 7/16/29	40,000	3
Series 2022-P1, Class C	05.000	00	Santander Drive Auto Receivables Trust		
3.30%, 4/10/28	35,000		Series 2022-5, Class C	20,000	0
CIFC Funding Series 2020-1A, Class A1R, CLO, FRN			4.74%, 10/16/28 Santander Drive Auto Receivables Trust	20,000	2
3M TSFR + 1.412%, 6.805%, 7/15/36 (1)	250,000	249	Series 2022-6, Class B		
Driven Brands Funding			4.72%, 6/15/27	90,000	8
Series 2020-2A, Class A2			Santander Retail Auto Lease Trust		
3.237%, 1/20/51 (1)	63,213	56	Series 2021-A, Class D		
Elara HGV Timeshare Issuer			1.38%, 3/22/27 (1)	50,000	4
Series 2023-A, Class A	92,839	05	SCF Equipment Leasing		
6.16%, 2/25/38 (1) Exeter Automobile Receivables Trust	92,039	95	Series 2023-1A, Class A2 6.56%, 1/22/30 (1)	100,000	10
Series 2022-2A, Class C			SMB Private Education Loan Trust		
3.85%, 7/17/28	75,000	74	Series 2018-A, Class A2A		
Exeter Automobile Receivables Trust			3.50%, 2/15/36 (1)	35,503	3-
Series 2022-3A, Class C			SMB Private Education Loan Trust		
5.30%, 9/15/27	50,000	50	Series 2018-C, Class A2A	0.4.50.4	
Exeter Automobile Receivables Trust			3.63%, 11/15/35 (1)	34,501	
Series 2023-1A, Class D 6.69%, 6/15/29	10,000	10	SMB Private Education Loan Trust Series 2021-A, Class B		
Ford Credit Auto Owner Trust			2.31%, 1/15/53 (1)	98,900	9:
Series 2018-1, Class C			Verizon Master Trust		
3.49%, 7/15/31 (1)	100,000	97	Series 2023-1, Class C		
Ford Credit Auto Owner Trust			4.98%, 1/22/29	20,000	2
Series 2022-C, Class C			Total Asset-Backed Securities (Cost		
5.22%, 3/15/30	25,000	25	\$2,688)		2,64
Ford Credit Auto Owner Trust					
Series 2023-1, Class A 4.85%, 8/15/35 (1)	100,000	100	BOND MUTUAL FUNDS 13.2%		
Hardee's Funding		100	T. Davis Dries Inflation Dr. 1 . 1 . 1 . 1		
Series 2018-1A, Class A2II			T. Rowe Price Inflation Protected Bond	547	
4.959%, 6/20/48 (1)	52,113	50	Fund - I Class, 1.39% (2)(3)  T. Rowe Price Institutional Emerging	047	
HPEFS Equipment Trust			Markets Bond Fund, 6.15% (2)(3)	1,139,583	7,62
Series 2022-1A, Class D			T. Rowe Price Institutional Floating Rate		
2.40%, 11/20/29 (1)	100,000	95	Fund - Institutional Class, 8.67% (2)(3)	42,658	40
			T. Rowe Price Institutional High Yield Fund		
			Institutional Class, 7.29% (2)(3)	1,249,959	9,80

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
T. Rowe Price International Bond Fund - I Class, 3.37% (2)(3)	287,054	2.124	Toyota Motor (JPY)	15,100	277
T. Rowe Price International Bond Fund			Broadline Retail 1.5%		983
(USD Hedged) - I Class, 3.46% (2)(3)	510,713	4,326		45.4	0.5
T. Rowe Price Limited Duration Inflation			Alibaba Group Holding, ADR	454	35
Focused Bond Fund - I Class, 1.62% (2)(3)	1,457	7	Amazon.com (4)	17,007	2,584
Total Bond Mutual Funds (Cost \$26,427)		24,290	Kohl's Next (GBP)	707 1,422	21 147
			Ollie's Bargain Outlet Holdings (4)	685	52
COMMON STOCKS 52.1%			Savers Value Village (4)	636	11
COMMUNICATION SERVICES 3.2%			Savoro talao mago (.)		2,850
			Diversified Consumer Services 0.1%		
Diversified Telecommunication Services 0.2%			Bright Horizons Family Solutions (4)	695	65
	0.500	0.5	Clear Secure, Class A	1.636	34
KT (KRW) (4)	3,538	95	Duolingo (4)	208	47
Nippon Telegraph & Telephone (JPY)	273,800	334	Rover Group, Acquisition Date: 8/2/21,		
		429	Cost \$— (4)(5)(6)	823	<del></del>
Entertainment 0.4%			Service Corp International	1,176	81
Liberty Media Corp-Liberty Live, Class C (4	:	41	Strategic Education	583	54
Netflix (4)	1,198	583			281
Sea, ADR (4)	933	38	Hotels, Restaurants & Leisure 1.3%		
		662	Amadeus IT Group (EUR)	1,651	119
Interactive Media & Services 2.1%			BJ's Restaurants (4)	1,144	41
Alphabet, Class A (4)	2,151	300	Booking Holdings (4)	173	614
Alphabet, Class C (4)	15,053	2,121	Cava Group (4)	3,322	143
LY (JPY)	20,900	74	Chipotle Mexican Grill (4)	82	188
Meta Platforms, Class A (4)	3,281	1,161	Chuy's Holdings (4)	774	30
NAVER (KRW) (4)	443	77	Compass Group (GBP)	8,673	237
Tencent Holdings (HKD)	1,000	38	DoorDash, Class A (4)	550	54
Vimeo (4)	5,292	21	Dutch Bros, Class A (4)	1,234	39
		3,792	Hilton Worldwide Holdings	1,346	245
Media 0.1%			Jack in the Box	276	22
CyberAgent (JPY)	10,500	66	McDonald's	1,450	430
WPP (GBP)	15,754	150	Norwegian Cruise Line Holdings (4)	2,466	49
· <del>`</del>		216	Papa John's International	1,145	87
Wireless Telecommunication			Red Rock Resorts, Class A	634	
Services 0.4%			Wyndham Hotels & Resorts	485	39
T-Mobile U.S.	4,069	653			2,371
Vodafone Group, ADR	9,466	82	Household Durables 0.3%		
·	·	735	Installed Building Products	160	29
Total Communication Commisse			Panasonic Holdings (JPY)	11,900	117
Total Communication Services  CONSUMER DISCRETIONARY 5.2%		5,834	Persimmon (GBP)	4,907	87
			Skyline Champion (4)	711	53
Automobile Components 0.3%			Sony Group (JPY)	2,200	208
Autoliv, SDR (SEK)	1,341	148			494
Denso (JPY)	10,200	153	Specialty Retail 0.9%		
Dowlais Group (GBP)	26,651	36	AutoZone (4)	66	171
Magna International	2,530	149	Burlington Stores (4)	529	103
Stanley Electric (JPY)	2,700	51	Caleres	975	30
		537	Carvana (4)	1,070	57
Automobiles 0.5%			Five Below (4)	177	38
Honda Motor (JPY)	5,300	54	Floor & Decor Holdings, Class A (4)	131	14
Rivian Automotive, Class A (4)	1,606	38	Home Depot	322	111
Suzuki Motor (JPY)	2,400	102	Kingfisher (GBP)	53,324	165
Tesla (4)	2,060	512	Monro O'Roilly Automotive (4)	1,053	31
			O'Reilly Automotive (4)	183 65	174 19
			RH (4)	03	19

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Ross Stores	973	135	L'Oreal (EUR)	453	226
TJX	1,004	94	Unilever (GBP)	8,029	389
Tractor Supply	1,060	228			1,234
Ulta Beauty (4)	622	305	Tobacco 0.2%		
Warby Parker, Class A (4)	2,480	35		2.250	215
		1,710	Philip Morris International	3,352	315
Textiles, Apparel & Luxury Goods 0.3%					315
Dr. Martens (GBP)	2,055	2	Total Consumer Staples		6,645
Kering (EUR)	256	<del>-</del> . 114	ENERGY 2.5%		
Lululemon Athletica (4)	205	105	Energy Equipment & Services 0.7%		
Moncler (EUR)	2,116	130	ChampionX	1,576	46
NIKE, Class B	558	61	Expro Group Holdings (4)	1,454	23
Samsonite International (HKD) (4)	21,300	70	Halliburton	13,924	504
Skechers USA, Class A (4)	580	36	Liberty Energy, Class A	2,658	48
Okconero dori, diagori (4)			NOV	2,580	52 52
		518	Schlumberger	10,378	540
Total Consumer Discretionary		9,744	TechnipFMC	2,037	41
CONSUMER STAPLES 3.7%					
Beverages 0.6%			Oil, Gas & Consumable Fuels 1.8%		1,254
Boston Beer, Class A (4)	187	64	•	4.700	050
Coca-Cola	6,597	389	Chevron	1,732	258
Coca-Cola Consolidated	3	3	ConocoPhillips	2,464	286
Diageo (GBP)	4,930	179	Diamondback Energy	2,188	339
Heineken (EUR)	1,906	194	DT Midstream	616	34
Keurig Dr Pepper	1,000	33	EQT	12,188	471
Kirin Holdings (JPY) (7)	4,400	64	Equinor (NOK)	9,603	304
PepsiCo	587	100	Exxon Mobil	2,212	221
·		1,026	Kimbell Royalty Partners	1,155	17
Consumer Staples Distribution &		1,020	Kinder Morgan	8,475	150
Retail 0.6%			Magnolia Oil & Gas, Class A	2,240	48
Dollar General	998	136	Matador Resources	477	27 32
Seven & i Holdings (JPY)	4,400	174	Pioneer Natural Resources	8,882	
Target	1,301	185	Range Resources Shell, ADR	3,042	270 200
Walmart	3,386	534	SM Energy	508	200
Welcia Holdings (JPY)	1,900	33	Southwestern Energy (4)	9,264	61
vvoloid Floralings (of T)			TotalEnergies (EUR)	5,467	372
Food Products 1.0%		1,062	Williams	7,314	255
			Williams		
Barry Callebaut (CHF)	55	93			3,365
Farmers Business Network, Acquisition	700		Total Energy		4,619
Date: 11/3/17, Cost \$14 (4)(5)(6)	732	4	FINANCIALS 8.8%		
Kraft Heinz	5,962	221	Banks 2.9%		
Mondelez International, Class A	9,667	700	ANZ Group Holdings (AUD)	5,670	100
Nestle (CHF)	5,475	635	Bank of America	21,506	724
Post Holdings (4)	524	46	BankUnited	1,068	35
Simply Good Foods (4)	606	24	Blue Foundry Bancorp (4)	655	6
TreeHouse Foods (4)	394	16	BNP Paribas (EUR)	2,267	157
Utz Brands	1,753	28	Cadence Bank	1,469	43
Wilmar International (SGD)	48,500	131	Capitol Federal Financial	3,461	22
		1,898	Columbia Banking System	1,727	46
Household Products 0.6%			CRB Group, Acquisition Date: 4/14/22,		
Colgate-Palmolive	5,705	455	Cost \$2 (4)(5)(6)	23	2
Procter & Gamble	4,470	655	CrossFirst Bankshares (4)	1,410	19
		1,110	DBS Group Holdings (SGD)	4,475	113
Personal Care Products 0.7%			Dime Community Bancshares	1,062	29
BellRing Brands (4)	1,869	103	DNB Bank (NOK)	12,503	266
Kenvue	23,976	516	Dogwood State Bank, Non-Voting Shares,		
	20,070		Acquisition Date: 5/6/19, Cost \$3 (4)(5)(6)	307	

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Dogwood State Bank, Voting Shares,			StepStone Group, Class A	925	30
Acquisition Date: 5/6/19, Cost \$2 (4)(5)(6)	151	3	TMX Group (CAD)	1,452	35
Dogwood State Bank, Warrants, 5/6/24,			XP, Class A	2,236	58
Acquisition Date: 5/6/19, Cost \$- (4)(5)(6)	46	_			2,188
East West Bancorp	1,602	115	Consumer Finance 0.2%		2,100
Eastern Bankshares	1,756	25			
Equity Bancshares, Class A	680	23	American Express	1,348	252
Erste Group Bank (EUR)	1,156	47	Encore Capital Group (4)	527	27
FB Financial	923	37	PRA Group (4)	606	16
First Bancshares	952	28			295
Five Star Bancorp	680	18	Financial Services 1.9%		
Grasshopper Bancorp, Acquisition Date:			Adyen (EUR) (4)	72	93
10/12/18 - 5/2/19, Cost \$5 (4)(5)(6)	528	2	ANT Group, Acquisition Date: 8/14/23,		
Grasshopper Bancorp, Warrants, 10/12/28			Cost \$22 (4)(5)(6)	22,161	22
Acquisition Date: 10/12/18, Cost \$- (4)(5)	,		Berkshire Hathaway, Class B (4)	2,026	723
(6)	104	_	Challenger (AUD)	8,977	40
HarborOne Bancorp	576	7	Corebridge Financial	3,115	67
HDFC Bank (INR)	6,855	140	Fiserv (4)	3,589	477
Heritage Commerce	1,707	17	FleetCor Technologies (4)	273	<del>411</del> 77
Home BancShares	1,202	30		1,261	
ING Groep (EUR)	19,595	294	Mastercard, Class A	10.200	538
Intesa Sanpaolo (EUR)	31,603	93	Mitsubishi HC Capital (JPY)		68
JPMorgan Chase	6,061	1,031	PennyMac Financial Services	1,162	103
Kearny Financial	1,315	12	Toast, Class A (4)	1,508	27
Live Oak Bancshares	1,060	48	Visa, Class A	5,092	1,326
Lloyds Banking Group (GBP)	197,953	120			3,561
Mitsubishi UFJ Financial Group (JPY)	18,400	158	Insurance 2.6%		
National Bank of Canada (CAD) (7)	2,935	224	AIA Group (HKD)	20,000	174
Origin Bancorp	1,103	39	Allstate	2,626	367
Pacific Premier Bancorp	1,008	29	Assurant	426	72
Pinnacle Financial Partners	658	<u>29</u> 57	AXA (EUR)	10,420	340
PNC Financial Services Group	1,065	165	Axis Capital Holdings	1,241	69
	371		Chubb	1,527	345
Popular Prosperity Bancshares	124	30 8	Definity Financial (CAD)	2,005	57
	711		First American Financial	813	52
SouthState		60 72	Hanover Insurance Group	425	52
Standard Chartered (GBP)	8,508 3,270		Hartford Financial Services Group	1,209	97
Sumitomo Mitsui Trust Holdings (JPY)		63	Mandatum (EUR) (4)	3,936	18
Svenska Handelsbanken, Class A (SEK)	15,742	171 32	Marsh & McLennan	1,736	329
Texas Capital Bancshares (4)	489		MetLife	6,770	448
United Overseas Bank (SGD)	7,900 1.075	171 25	Munich Re (EUR)	849	352
Veritex Holdings			Ping An Insurance Group, Class H (HKD)	7,000	32
Wells Fargo	6,293	310	Progressive	2,844	453
Western Alliance Bancorp	632	42	RLI	78	10
		5,313	Sampo, Class A (EUR)	4,216	185
Capital Markets 1.2%			Selective Insurance Group	992	99
Bridgepoint Group (GBP)	17,043	60	Storebrand (NOK)	14,124	125
Brookfield (CAD)	3,419	137	Sun Life Financial (CAD)	3,284	170
Cboe Global Markets	1,311	234	Tokio Marine Holdings (JPY)	7,900	197
Charles Schwab	4,262	293	Travelers	2,204	420
CME Group	845	178	White Mountains Insurance Group	22	33
Goldman Sachs Group	1,204	465	Zurich Insurance Group (CHF)	433	226
Julius Baer Group (CHF)	2,139	120	Zunon insulative Group (ORF)	400	
LPL Financial Holdings	900	205			4,722
Macquarie Group (AUD)	906	113	Total Financials		16,079
Morgan Stanley	1,045	98	HEALTH CARE 7.2%		
MSCI	39	22	Biotechnology 0.8%		
P10, Class A	2,736	28		444	10
S&P Global	255	112	Agios Pharmaceuticals (4)	444	10
			Amgen	1,345	387

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Apellis Pharmaceuticals (4)	1,164	70	Health Care Providers & Services 2.29	<b>%</b>	
Arcellx (4)	405	22	Alignment Healthcare (4)	3,112	27
Argenx, ADR (4)	135	51	Cencora	3,396	697
Ascendis Pharma, ADR (4)	532	67	Elevance Health	2,091	986
Avid Bioservices (4)	2,176	14	Fresenius (EUR)	3,701	115
Blueprint Medicines (4)	515	48	Guardant Health (4)	589	16
Bridgebio Pharma (4)	445	18	HCA Healthcare	638	173
Cabaletta Bio (4)	463	11	Humana	448	205
Crinetics Pharmaceuticals (4)	839	30	Molina Healthcare (4)	872	315
CRISPR Therapeutics (4)	320	20	NeoGenomics (4)	3,193	52
Cytokinetics (4)	769	64	Privia Health Group (4)	2,313	53
Genmab (DKK) (4)	268	85	Quest Diagnostics	1,415	195
HilleVax (4)	411	7	Tenet Healthcare (4)	1,489	113
Icosavax (4)	899	14	U.S. Physical Therapy	335	31
Immatics (4)	787	8	UnitedHealth Group	2,109	1,110
Immunocore Holdings, ADR (4)	186	13	Cinical Idalii Group		
Insmed (4)	1,732	54	Haalth Care Task I C 00/		4,088
Ionis Pharmaceuticals (4)	799	40	Health Care Technology 0.0%		
Karuna Therapeutics (4)	257	81	Certara (4)	1,201	21
Kymera Therapeutics (4)	287	7	Veeva Systems, Class A (4)	232	45
MacroGenics (4)	1,469	14			66
MoonLake Immunotherapeutics (4)	417	25	Life Sciences Tools & Services 0.9%		
MorphoSys, ADR (4)	1,870	19	10X Genomics, Class A (4)	569	32
RAPT Therapeutics (4)	506	13	Agilent Technologies	1,603	223
Scholar Rock, Warrants, 12/31/25,			Azenta (4)	160	11
Acquisition Date: 6/17/22, Cost \$- (4)(5)	87	1	Bruker	970	
Syndax Pharmaceuticals (4)	525	11	Danaher	1,212	280
Vaxcyte (4)	526	33	Evotec (EUR) (4)	2,180	51
Vertex Pharmaceuticals (4)	546	222	Pacific Biosciences of California (4)	3,485	34
Verve Therapeutics (4)	838	12	Repligen (4)	160	29
Xenon Pharmaceuticals (4)	276	13	Sotera Health (4)	1,552	26
Zentalis Pharmaceuticals (4)	517	8	Thermo Fisher Scientific	1,587	842
		1,492	Thermo i laner ocientino		1,599
Health Care Equipment & Supplies 1.0%			Pharmaceuticals 2.3%		1,599
Alcon (CHF)	1,245	97	Astellas Pharma (JPY)	15,600	185
Align Technology (4)	53	14	AstraZeneca, ADR	8,723	587
Becton Dickinson & Company	153	37	Bayer (EUR)	2,999	111
Elekta, Class B (SEK)	10,172	83	Catalent (4)	760	34
EssilorLuxottica (EUR)	708	142	Elanco Animal Health (4)	2,212	33
GE Healthcare Technologies	2,465	191	Eli Lilly	1,511	881
ICU Medical (4)	235	23	EyePoint Pharmaceuticals (4)	387	9
Intuitive Surgical (4)	910	307	GSK, ADR	3,082	114
Koninklijke Philips (EUR) (4)	5,946	139	Johnson & Johnson	1,683	264
Masimo (4)	572	67	Merck	4,922	537
Medtronic	1,423	117	Novartis (CHF)	3,312	
Neogen (4)	2,325	47	Novo Nordisk, Class B (DKK)		335
Outset Medical (4)	1,583	9		2,910 1,500	302
Pax Labs, Class A, Acquisition Date:			Otsuka Holdings (JPY)		56
4/18/19, Cost \$15 (4)(5)(6)	3,864	2	Roche Holding (CHF)	1,163	338
Penumbra (4)	31	8	Sanofi (EUR)	3,407	339
PROCEPT BioRobotics (4)	1,616	68	Structure Therapeutics, ADR (4)	479	19
QuidelOrtho (4)	693	51	Zoetis	608	120
Siemens Healthineers (EUR)	3,454	201			4,264
STERIS	693	152	Total Health Care		13,410
Stryker	398	119	INDUSTRIALS & BUSINESS		
Teleflex	107	27	SERVICES 6.1%		
		1,901	Aerospace & Defense 0.6%		
		1,301	Bombardier, Class B (CAD) (4)	378	15
			Dombardior, Olass D (OAD) (4)		13

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Cadre Holdings	490	16	Siemens (EUR)	4,065	76
General Dynamics	1,848	480			1,75
L3Harris Technologies	895	188	Machinery 1.4%		
Melrose Industries (GBP)	22,519	163	•		
Northrop Grumman	166	78	ATS (4)	233	
Safran (EUR)	1,007	177	Caterpillar	45	1
TransDigm Group	55	56	Crane	295	
			Cummins	1,895	45
Decitation Deciderate 0.00/		1,173	Deere	208	8
Building Products 0.3%			Dover	292	4
AAON	406	30	Enerpac Tool Group	1,538	4
AZZ	1,100	64	EnPro	243	3
Carrier Global	4,756	273	Esab	435	3
CSW Industrials	288	60	ESCO Technologies	376	4
Zurn Elkay Water Solutions	1,379	41	Federal Signal	1,197	9
		468	Graco	563	4
Commercial Services & Supplies 0.3%			Helios Technologies	625	2
• •			IDEX	1,337	29
Casella Waste Systems, Class A (4)	584	50	Ingersoll Rand	1,705	13
Cintas	72	43	John Bean Technologies	454	4
Element Fleet Management (CAD)	12,227	199	KION Group (EUR)	1,849	
Rentokil Initial (GBP)	7,190	41	Marel (ISK)	2,004	<b>:</b>
Stericycle (4)	771	38	Mueller Water Products, Class A	2,912	4
Tetra Tech	206	34	RBC Bearings (4)	335	9
Veralto	1,040	86	Sandvik (SEK)		
VSE	553	36	SMC (JPY)	6,201	13
		527			5
Construction & Engineering 0.1%			Spirax-Sarco Engineering (GBP)	208	2
	0.40	00	SPX Technologies (4)	779	7
Arcosa	343	28	THK (JPY)	2,800	5
WillScot Mobile Mini Holdings (4)	805	36	Toro	346	3
Worley (AUD)	11,241	134	Westinghouse Air Brake Technologies	3,580	45
Electrical Equipment 0.7%		198	Passenger Airlines 0.0%		2,50
ABB (CHF)	5,967	265	Allegiant Travel	295	2
AMETEK	2,628	433	Allegiant navel		
Legrand (EUR)	1,748	182			2
9			Professional Services 0.5%		
Mitsubishi Electric (JPY)	13,900	197	Booz Allen Hamilton Holding	1,739	22
Prysmian (EUR)	3,930	179	Broadridge Financial Solutions	964	19
Thermon Group Holdings (4)	518	17	Checkr, Acquisition Date: 6/29/18 -		
		1,273	12/2/19, Cost \$4 (4)(5)(6)	594	
Ground Transportation 0.8%			Clarivate (4)	3,425	3
Central Japan Railway (JPY)	3,000	76	Legalzoom.com (4)	1,665	1:
Convoy, Warrants, 3/15/33, Acquisition			NV5 Global (4)	109	1
Date: 3/24/23, Cost \$— (4)(5)(6)	94	_	Parsons (4)	1,144	·
CSX	18,208	631	Paycor HCM (4)	2,166	4
Landstar System	192	37	Recruit Holdings (JPY)	3,500	14
Norfolk Southern	546	129	TechnoPro Holdings (JPY)	4,000	10
Old Dominion Freight Line	653	265	Teleperformance (EUR)	4,000	
			releperioritatice (EON)	499	
Saia (4) Union Pacific	216 1,151	95 283			93
Onion i domo			Trading Companies & Distributors 0.49		
Industrial Conglomeratos 1 00/		1,516	Ashtead Group (GBP)	2,401	16
Industrial Conglomerates 1.0%			Beacon Roofing Supply (4)	690	6
DCC (GBP)	1,568	115	Bunzl (GBP)	2,759	11
General Electric	3,260	416	Mitsubishi (JPY)	7,500	12
			Decel Februaries Olean A	0.40	4
Honeywell International	1,480	310	Rush Enterprises, Class A	842	

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Sumitomo (JPY)	6,700	146	Onto Innovation (4)	558	85
		724	Power Integrations	272	22
			QUALCOMM	2,935	424
Total Industrials & Business Services		11,095	Renesas Electronics (JPY) (4)	5,500	98
INFORMATION TECHNOLOGY 11.4%			Taiwan Semiconductor Manufacturing		
Communications Equipment 0.1%			(TWD)	22,219	426
Telefonaktiebolaget LM Ericsson, Class B			Taiwan Semiconductor Manufacturing, ADF	R 674	70
(SEK)	23,581	148	Texas Instruments	2,126	362
		148	Tokyo Electron (JPY)	1,000	178
Electronic Equipment, Instruments &					8,057
Components 0.7%			Software 3.9%		
Amphenol, Class A	3,761	373	Adobe (4)	17	10
Cognex	243	10	Agilysys (4)	428	36
CTS	753	33	Altair Engineering, Class A (4)	463	39
Hamamatsu Photonics (JPY)	2,100	86	Amplitude, Class A (4)	3,023	38
Largan Precision (TWD)	1,000	93	Atlassian, Class A (4)	324	77
Littelfuse	205	55	BILL Holdings (4)	543	44
Mirion Technologies (4)	5,711	58	Braze, Class A (4)	288	15
Murata Manufacturing (JPY)	6,300	133	Cadence Design Systems (4)	753	205
Napco Security Technologies	809	28	Canva, Acquisition Date: 8/16/21 -		
Novanta (4)	255	43	12/17/21, Cost \$34 (4)(5)(6)	20	21
Omron (JPY)	1,200	56	Confluent, Class A (4)	1,029	24
PAR Technology (4)	2,011	87	Crowdstrike Holdings, Class A (4)	192	49
TE Connectivity	1,357	191	Datadog, Class A (4)	345	42
Teledyne Technologies (4)	190	85	Descartes Systems Group (4)	928	78
Vontier	1,268	44	DoubleVerify Holdings (4)	2,144	79
		1,375	Envestnet (4)	649	32
IT Services 0.4%		1,070	Five9 (4)	653	51
	470	400	Fortinet (4)	256	15
Accenture, Class A	472	166	Gusto, Acquisition Date: 10/4/21,		
MongoDB (4)	297	121	Cost \$10 (4)(5)(6)	364	6
NTT Data Group (JPY)	14,700	208	Intuit	392	245
ServiceTitan, Acquisition Date: 11/9/18 -	00	0	Manhattan Associates (4)	168	36
5/4/21, Cost \$1 (4)(5)(6)	26	2	Microsoft	12,667	4,763
Shopify, Class A (4)	1,775	138	Model N (4)	542	15
Snowflake, Class A (4)	231	46	Salesforce (4)	386	102
Themis Solutions, Acquisition Date:	440	0	SAP (EUR)	1,761	271
4/14/21, Cost \$2 (4)(5)(6)	110	2	ServiceNow (4)	707	500
		683	Socure, Acquisition Date: 12/22/21,		
Semiconductors & Semiconductor			Cost \$2 (4)(5)(6)	117	1
Equipment 4.4%			Synopsys (4)	487	251
Advanced Micro Devices (4)	974	144	Workiva (4)	636	65
Allegro MicroSystems (4)	829	25			7,110
Analog Devices	1,726	343	Technology Hardware, Storage &		7,110
Applied Materials	3,319	538	Peripherals 1.9%		
ASML Holding (EUR)	565	427	·	,	e ·
ASML Holding	314	238	Apple	16,494	3,175
Broadcom	292	326	Samsung Electronics (KRW)	4,709	286
Entegris	732	88			3,461
Intel	3,050	153	Total Information Technology		20,834
KLA	553	321	MATERIALS 1.8%		
Lam Research	295	231	Chemicals 0.9%		
Lattice Semiconductor (4)	1,087	75			
MACOM Technology Solutions Holdings (4		64	Air Liquide (EUR)	1,068	208
Micron Technology	5,356	457	Akzo Nobel (EUR)	1,570	130
Monolithic Power Systems	195	123	Asahi Kasei (JPY)	10,600	78
NVIDIA	4,290	2,125	BASF (EUR)	2,119	114
NXP Semiconductors	3,108	714	Covestro (EUR) (4)	2,185	127
Componedation	0,100		Element Solutions	5,017	116

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(Cost and value in \$000s)			(Cost and value in \$000s)		
HB Fuller	339	28	Real Estate Management &		
Johnson Matthey (GBP)	3,993	86	Development 0.2%		
Linde	1,282	527	Colliers International Group	307	39
Nutrien	1,091	61	DigitalBridge Group	1,629	29
Quaker Chemical	261	56	FirstService	632	103
Sherwin-Williams	317	99	Mitsui Fudosan (JPY)	7,700	188
Tosoh (JPY)	1,000	13	Tricon Residential	3,989	36
Umicore (EUR)	3,197	88	medi nesidenda		
·		1,731	Residential Real Estate Investment		395
Construction Materials 0.0%			Trusts 0.2%		
Martin Marietta Materials	118	59	Equity LifeStyle Properties, REIT	3,803	268
		59	Flagship Communities REIT	659	11
Containers & Packaging 0.0%			Independence Realty Trust, REIT	2,348	36
	3,916	20	·		315
Amcor, CDI (AUD)	3,910	38	Retail Real Estate Investment		
Metals & Mining 0.8%			Trusts 0.1%		
_	6.440	100	Scentre Group (AUD)	64,965	132
Antofagasta (GBP)	6,440	138			132
BHP Group (AUD)	3,372	115	Specialized Real Estate Investment		
BHP Group (GBP)	4,806	164	Trusts 0.4%		
Constellium (4)	3,558	71		4 405	00
ERO Copper (CAD) (4)	1,544	25	CubeSmart, REIT	1,425	66
Franco-Nevada	613	68	Extra Space Storage, REIT	400	64
Freeport-McMoRan	4,482	191	Public Storage, REIT	1,342	410
Haynes International	724	41	Weyerhaeuser, REIT	3,767	131
IGO (AUD)	12,220	75			671
Pilbara Minerals (AUD)	41,744	112	Total Real Estate		1,905
South32 (AUD)	31,130	70	UTILITIES 1.0%		
Southern Copper	2,612	225			
Wheaton Precious Metals	2,044	101	Electric Utilities 0.6%		
		1,396	Constellation Energy	4,540	531
Paper & Forest Products 0.1%			FirstEnergy	1,039	38
Stora Enso, Class R (EUR)	8,341	116	IDACORP	592	58
West Fraser Timber (CAD)	252	21	MGE Energy	340	24
West Flaser Timber (CAD)			NextEra Energy	3,780	230
		137	NRG Energy	890	46
Total Materials		3,361	OGE Energy	973	34
REAL ESTATE 1.1%			Southern	1,486	104
Health Care Real Estate Investment					1,065
Trusts 0.0%			Gas Utilities 0.1%		
Community Healthcare Trust, REIT	33	1	Beijing Enterprises Holdings (HKD)	10,500	37
Healthcare Realty Trust, REIT	1,164	20	Chesapeake Utilities	705	74
		21	ONE Gas	326	21
Industrial Real Estate Investment		<del>.</del> .	Southwest Gas Holdings	721	46
Trusts 0.2%					178
EastGroup Properties, REIT	591	108	Independent Power & Renewable		
Prologis, REIT	923	123	Electricity Producers 0.0%		
Rexford Industrial Realty, REIT	1,097	62	Electric Power Development (JPY)	5,400	88
Terreno Realty, REIT	448	28			88
		321	Multi-Utilities 0.3%		
Office Real Estate Investment				a .= :	
Trusts 0.0%			Ameren	2,174	157
	0.007	50	Engie (EUR)	16,130	284
Great Portland Estates (GBP)	9,297	50	National Grid (GBP)	13,492	182
		50			623

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Water Utilities 0.0%			National Resilience, Series C, Acquisition		
California Water Service Group	764	40	Date: 6/9/21, Cost \$10 (4)(5)(6)	237	14
		40			52
Total Utilities		1,994	Total Health Care		71
Total Miscellaneous Common			INDUSTRIALS & BUSINESS SERVICES 0.0%		
Stocks 0.1% (8)		216			
Total Common Stocks (Cost \$56,839)		95,736	Aerospace & Defense 0.0%		
			ABL Space Systems, Series B, Acquisition Date: 3/24/21, Cost \$5 (4)(5)(6)	126	5
CONVERTIBLE BONDS 0.0%			Epirus, Series C-2, Acquisition Date:	120	
Convoy, 15.00%, 9/30/26, Acquisition Date			1/28/22, Cost \$11 (4)(5)(6)	1,914	9
3/24/23, Cost \$1 (4)(5)(6)	653	_			14
Total Convertible Bonds (Cost \$1)		<b>–</b>	Air Freight & Logistics 0.0%		
, ,			FLEXE, Series C, Acquisition Date:		
CONVERTIBLE PREFERRED STOCKS	0.1%		11/18/20, Cost \$5 (4)(5)(6)	445	
CONSUMER DISCRETIONARY 0.0%			FLEXE, Series D, Acquisition Date: 4/7/22, Cost \$3 (4)(5)(6)	138	1
			COSt \$3 (4)(3)(0)		
Specialty Retail 0.0%			Electrical Equipment 0.0%		4
1661, Series F, Acquisition Date: 5/28/21, Cost \$10 (4)(5)(6)	1.674	2	CELLINK, Series D, Acquisition Date:		
	1,074	2	1/20/22, Cost \$5 (4)(5)(6)	252	1
Total Consumer Discretionary CONSUMER STAPLES 0.0%					 1
Food Products 0.0%			Ground Transportation 0.0%		
Farmers Business Network, Series D,			Convoy, Series C, Acquisition Date:		
Acquisition Date: 11/3/17, Cost \$— (4)(5)(6)	) 1	_	9/14/18, Cost \$9 (4)(5)(6)	1,241	<del>_</del>
Total Consumer Staples			Convoy, Series D, Acquisition Date:	704	
FINANCIALS 0.0%			10/30/19, Cost \$10 (4)(5)(6)	764	<del>-</del>
Banks 0.0%			Professional Services 0.0%		<del>-</del>
CRB Group, Series D, Acquisition Date:			Checkr, Series C, Acquisition Date:		
1/28/22, Cost \$9 (4)(5)(6)	81	6	4/10/18, Cost \$4 (4)(5)(6)	900	5
Total Financials		6	Checkr, Series D, Acquisition Date: 9/6/19,		
HEALTH CARE 0.0%			Cost \$12 (4)(5)(6)	1,200	6
Biotechnology 0.0%					11
Caris Life Sciences, Series C, Acquisition		_	Total Industrials & Business Services		30
Date: 8/14/20, Cost \$5 (4)(5)(6)  Caris Life Sciences, Series D, Acquisition	1,752		INFORMATION TECHNOLOGY 0.1%		
Date: 5/11/21, Cost \$7 (4)(5)(6)	895	3	IT Services 0.0%		
		10	Haul Hub, Series B, Acquisition Date:		
Health Care Equipment & Supplies 0.0%			2/14/20 - 3/3/21, Cost \$4 (4)(5)(6) Haul Hub, Series C, Acquisition Date:	303	2
Kardium, Series D-6, Acquisition Date:			4/14/22, Cost \$2 (4)(5)(6)	90	1
1/8/21, Cost \$6 (4)(5)(6)	5,305	4	ServiceTitan, Series D, Acquisition Date:		
		4	11/9/18, Cost \$5 (4)(5)(6)	184	13
Health Care Providers & Services 0.0%			ServiceTitan, Series F, Acquisition Date:	10	4
Honor Technology, Series D, Acquisition			3/25/21, Cost \$1 (4)(5)(6) Themis Solutions, Series AA, Acquisition		
Date: 10/16/20, Cost \$10 (4)(5)(6)	4,107		Date: 4/14/21, Cost \$1 (4)(5)(6)	30	1
LV-O-t		5	Themis Solutions, Series AB, Acquisition		
Life Sciences Tools & Services 0.0%			Date: 4/14/21, Cost \$— (4)(5)(6)	10	<del>-</del>
Cleerly, Series C, Acquisition Date: 7/8/22,	410	Λ	Themis Solutions, Series B, Acquisition Date: 4/14/21, Cost \$— (4)(5)(6)	10	
Cost \$5 (4)(5)(6) Inscripta, Series E, Acquisition Date:	413	4	Themis Solutions, Series E, Acquisition		<del>-</del>
3/30/21, Cost \$6 (4)(5)(6)	636	2	Date: 4/14/21, Cost \$7 (4)(5)(6)	320	6
National Resilience, Series B, Acquisition					24
Date: 10/23/20, Cost \$7 (4)(5)(6)	524	32			

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Software 0.1%			Anheuser-Busch InBev Worldwide, 5.55%,		
Databricks, Series G, Acquisition Date:			1/23/49	65,000	70
2/1/21, Cost \$12 (4)(5)(6)	192	14	Aon, 2.80%, 5/15/30	15,000	13
Databricks, Series H, Acquisition Date:			AT&T, 3.50%, 9/15/53	55,000	40
8/31/21, Cost \$30 (4)(5)(6)	411	30	Baltimore Gas & Electric, 5.40%, 6/1/53	20,000	21
Databricks, Series I, Acquisition Date:			Bank of America, VR, 1.898%, 7/23/31 (9)	210,000	172
9/14/23, Cost \$4 (4)(5)(6)	51	4	Bank of America, VR, 1.922%, 10/24/31 (9)	40,000	32
Gusto, Series E, Acquisition Date: 7/13/21,			Bank of America, VR, 2.496%, 2/13/31 (9)	105,000	90
Cost \$15 (4)(5)(6)	504	8	Bank of America, VR, 2.592%, 4/29/31 (9)	50,000	43
Nuro, Series C, Acquisition Date: 10/30/20			Bank of America, VR, 3.419%, 12/20/28 (9)	80,000	75
3/2/21, Cost \$12 (4)(5)(6)	921	4	Bank of America, VR, 4.271%, 7/23/29 (9)	65,000	63
Nuro, Series D, Acquisition Date: 10/29/21,			Bank of America, VR, 5.819%, 9/15/29 (9)	66,000	68
Cost \$5 (4)(5)(6)	242		Bank of Montreal, 5.717%, 9/25/28	10,000	10
SecurityScorecard, Series E, Acquisition			Bank of New York Mellon, VR, 6.317%,		
Date: 3/5/21, Cost \$5 (4)(5)(6)	1,032	5	10/25/29 (9)	40,000	42
Seismic Software, Series E, Acquisition			Bank of New York Mellon, VR, 6.474%,		
Date: 12/13/18, Cost \$7 (4)(5)(6)	1,115	8	10/25/34 (9)	45,000	50
Seismic Software, Series F, Acquisition			Barclays, VR, 5.501%, 8/9/28 (9)	200,000	201
Date: 9/25/20, Cost \$1 (4)(5)(6)	85	<del>.</del>	BAT Capital, 2.259%, 3/25/28	15,000	13
Socure, Series A, Acquisition Date:			BAT Capital, 7.079%, 8/2/43	20,000	21
12/22/21, Cost \$2 (4)(5)(6)	142	1	BAT Capital, 7.081%, 8/2/53	30,000	32
Socure, Series A-1, Acquisition Date:			BAT International Finance, 1.668%, 3/25/26	2,000	2
12/22/21, Cost \$2 (4)(5)(6)	117		Becton Dickinson & Company, 2.823%,		
Socure, Series B, Acquisition Date:			5/20/30	25,000	22
12/22/21, Cost \$— (4)(5)(6)	2	<del></del>	Becton Dickinson & Company, 3.70%,		
Socure, Series E, Acquisition Date:			6/6/27	33,000	32
10/27/21, Cost \$4 (4)(5)(6)	270	2	Boardwalk Pipelines, 3.40%, 2/15/31	28,000	25
		78	Boardwalk Pipelines, 5.95%, 6/1/26	10,000	10
Total Information Technology		102	Boeing, 3.25%, 2/1/28	15,000	14
MATERIALS 0.0%			Boeing, 5.04%, 5/1/27	55,000	56
			Boeing, 5.805%, 5/1/50	35,000	37
Chemicals 0.0%			Booz Allen Hamilton, 5.95%, 8/4/33	15,000	16
Redwood Materials, Series C, Acquisition			Boston Gas, 6.119%, 7/20/53 (1)	15,000	16
Date: 5/28/21, Cost \$6 (4)(5)(6)	135	6	Brixmor Operating Partnership, 3.90%,		
Sila Nano, Series F, Acquisition Date:			3/15/27	35,000	33
1/7/21, Cost \$10 (4)(5)(6)	228		Brixmor Operating Partnership, 4.05%,		
		11	7/1/30	8,000	7
Metals & Mining 0.0%			Brixmor Operating Partnership, 4.125%,		
Kobold Metals, Series B-1, Acquisition Date			5/15/29	33,000	31
1/10/22, Cost \$6 (4)(5)(6)	201	8	Broadcom, 2.60%, 2/15/33 (1)	35,000	29
., ., .,			Broadcom, 3.419%, 4/15/33 (1)	11,000	10
			Broadcom, 3.875%, 1/15/27	10,000	10
Total Materials		19	CaixaBank, VR, 6.84%, 9/13/34 (1)(9)	200,000	211
<b>Total Convertible Preferred Stocks (Cost</b>			Capital One Financial, 3.65%, 5/11/27	65,000	62
\$280)		230	Capital One Financial, 3.75%, 3/9/27	60,000	57
			Capital One Financial, VR, 2.359%,		
<b>CORPORATE BONDS 4.8%</b>			7/29/32 (9)	18,000	14
			Capital One Financial, VR, 3.273%,		
AbbVie, 3.20%, 11/21/29	55,000	51	3/1/30 (9)	25,000	22
AbbVie, 4.05%, 11/21/39	25,000	23	Capital One Financial, VR, 5.247%,		
AbbVie, 4.70%, 5/14/45	55,000	52	7/26/30 (9)	15,000	15
AbbVie, 4.875%, 11/14/48	88,000	86	Capital One Financial, VR, 5.468%,		
AerCap Ireland Capital, 3.00%, 10/29/28	160,000	145	2/1/29 (9)	75,000	75
AES, 5.45%, 6/1/28	15,000	15	Carrier Global, 2.493%, 2/15/27	10,000	9
Ally Financial, 4.75%, 6/9/27	12,000	12	Carrier Global, 5.80%, 11/30/25 (1)	10,000	10
American Electric Power, 5.20%, 1/15/29	30,000	30	Carvana, 12.00%, 12/1/28, (12.00% PIK) (1)		
American Honda Finance, 5.65%, 11/15/28		37	(10)	11,000	10
American Tower, 5.25%, 7/15/28	15,000	15	Carvana, 13.00%, 6/1/30, (13.00% PIK) (1)		

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Carvana, 14.00%, 6/1/31, (14.00% PIK) (1 (10)	20,000	17	Equitable Financial Life Global Funding, 1.00%, 1/9/26 (1)	45,000	41
CBRE Services, 5.95%, 8/15/34	40,000	42	Equitable Holdings, 4.35%, 4/20/28	105,000	101
Celanese U.S. Holdings, 6.05%, 3/15/25	7,000	7	Exelon, 5.15%, 3/15/28	10,000	10
Celanese U.S. Holdings, 6.165%, 7/15/27		10	Exelon, 5.60%, 3/15/53	35,000	36
Centene, 2.50%, 3/1/31	60,000	50	Fifth Third Bancorp, 2.375%, 1/28/25	10,000	10
Centene, 2.625%, 8/1/31	110,000	91	Fifth Third Bancorp, 2.55%, 5/5/27	5,000	
Centene, 4.25%, 12/15/27	10,000	10	Fifth Third Bancorp, 3.95%, 3/14/28	12,000	 12
Charter Communications Operating, 3.759			Fifth Third Bancorp, VR, 6.339%,	12,000	
2/15/28	15,000	14	7/27/29 (9)	20,000	21
Charter Communications Operating,			Fiserv, 4.20%, 10/1/28	10,000	<u></u> 10
5.125%, 7/1/49	15,000	12	Freeport-McMoRan, 4.375%, 8/1/28	14,000	14
Charter Communications Operating, 5.759			Freeport-McMoRan, 5.00%, 9/1/27	2,000	<u>-</u> 2
4/1/48	20,000	18	Freeport-McMoRan, 5.45%, 3/15/43	25,000	<u>2</u> 4
Charter Communications Operating,			General Motors Financial, 4.00%, 10/6/26	10,000	10
6.484%, 10/23/45	12,000	12	General Motors Financial, 5.80%, 6/23/28	10,000	10
Charter Communications Operating, 6.659					
2/1/34	55,000	58	Georgia Power, 4.95%, 5/17/33 GLP Capital, 3.35%, 9/1/24	45,000 10,000	46 10
Cheniere Corpus Christi Holdings, 5.125%			Goldman Sachs Group, 3.50%, 11/16/26	70,000	67
6/30/27	30,000	30	Goldman Sachs Group, 3.50%, 11/16/26 Goldman Sachs Group, VR, 1.542%,	10,000	
Cheniere Energy, 4.625%, 10/15/28	10,000	10	9/10/27 (9)	50,000	45
Citigroup, 4.45%, 9/29/27	10,000	10	Goldman Sachs Group, VR, 3.615%,	50,000	40
Citigroup, VR, 3.106%, 4/8/26 (9)	22,000	21	3/15/28 (9)	45,000	43
Citigroup, VR, 4.658%, 5/24/28 (9)	10,000	10	Goldman Sachs Group, VR, 3.691%,	45,000	
Citigroup, VR, 5.61%, 9/29/26 (9)	55,000	55	6/5/28 (9)	15.000	14
Citigroup, VR, 6.174%, 5/25/34 (9)	35,000	36	Goldman Sachs Group, VR, 4.482%,	10,000	
Citigroup, Series VAR, VR, 3.07%,			8/23/28 (9)	20,000	20
2/24/28 (9)	50,000	47	Hasbro, 3.55%, 11/19/26	7,000	7
CNO Financial Group, 5.25%, 5/30/25	15,000	15	HCA, 2.375%, 7/15/31	20,000	
Columbia Pipelines Holding, 6.042%,			HCA, 3.125%, 3/15/27	20,000	19
8/15/28 (1)	25,000	26	HCA, 3.375%, 3/15/29	5,000	
Comcast, 3.90%, 3/1/38	60,000	54	HCA, 3.50%, 9/1/30	25,000	23
Corebridge Financial, 3.65%, 4/5/27	10,000	10	HCA, 4.50%, 9/1/30	10,000	 10
Corebridge Financial, 3.90%, 4/5/32	15,000	14	HCA, 5.375%, 9/1/26	11,000	10 11
Crown Castle, 2.25%, 1/15/31	95,000	79	HCA, 5.875%, 2/15/26	18.000	 18
Crown Castle, 3.80%, 2/15/28	10,000	9	Healthcare Realty Holdings, 2.05%, 3/15/31		12
Crown Castle, 5.60%, 6/1/29	35,000	36		15,000	
Crown Castle, 5.80%, 3/1/34	25,000	26	Healthcare Realty Holdings, 3.625%, 1/15/28	60,000	55
Crown Castle Towers, 3.663%, 5/15/25 (1		82	HSBC Holdings, VR, 2.099%, 6/4/26 (9)	200.000	55 190
CVS Health, 3.25%, 8/15/29	10,000	9			
CVS Health, 4.30%, 3/25/28	15,000	15	Humana, 4.875%, 4/1/30	42,000	42 27
CVS Health, 5.05%, 3/25/48	84,000	78	Humana, 5.95%, 3/15/34	25,000	
CVS Health, 5.625%, 2/21/53	45,000	46	Hyundai Capital America, 5.50%, 3/30/26 (1)	10,000	10
CVS Health, 5.875%, 6/1/53	25,000	26	Hyundai Capital America, 6.50%,		
Diamondback Energy, 6.25%, 3/15/53	25,000	27	1/16/29 (1)	10,000	11
Dollar General, 3.875%, 4/15/27	15,000		Indiana Michigan Power, 5.625%, 4/1/53	5,000	11 5
	40,000	15			
Dollar General, 5.45%, 7/5/33		41	Intercontinental Exchange, 4.35%, 6/15/29	40,000	40
DTE Energy, 4.875%, 6/1/28	10,000	10	Interpublic Group, 4.65%, 10/1/28	20,000	20
Duke Energy, 5.00%, 8/15/52	55,000	51	Intuit, 5.50%, 9/15/53	25,000	27
Duke Energy, 6.10%, 9/15/53	55,000	60	IQVIA, 6.25%, 2/1/29 (1)	25,000	26
Edison International, 4.95%, 4/15/25	5,000		JPMorgan Chase, VR, 1.578%, 4/22/27 (9)	35,000	32
Elevance Health, 5.125%, 2/15/53	20,000	20	JPMorgan Chase, VR, 2.182%, 6/1/28 (9)	60,000	
Enbridge, 4.25%, 12/1/26	10,000	10	JPMorgan Chase, VR, 2.522%, 4/22/31 (9)	10,000	
Enbridge, 6.20%, 11/15/30	15,000	16	JPMorgan Chase, VR, 2.739%, 10/15/30 (9)	`	20
Enbridge, 6.70%, 11/15/53	20,000	23	JPMorgan Chase, VR, 2.956%, 5/13/31 (9)	69,000	60
	60,000	58	JPMorgan Chase, VR, 3.54%, 5/1/28 (9)	25,000	24
Energy Transfer, 6.40%, 12/1/30	20,000	21	JPMorgan Chase, VR, 3.96%, 1/29/27 (9)	10,000	10
Energy Transfer, 2.90%, 5/15/25 Energy Transfer, 6.40%, 12/1/30 Energy Transfer, 6.55%, 12/1/33			JPMorgan Chase, VR, 3.96%, 1/29/27 (9) JPMorgan Chase, VR, 6.254%, 10/23/34 (9) Kilroy Realty, 4.375%, 10/1/25		10 38 13

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
Las Vegas Sands, 3.50%, 8/18/26	25,000	24	Public Storage Operating, 5.35%, 8/1/53	10,000	11
Lowe's, 4.25%, 4/1/52	25,000	21	Revvity, 1.90%, 9/15/28	35,000	30
Lowe's, 5.625%, 4/15/53	15,000	16	Revvity, 2.25%, 9/15/31	15,000	13
Lowe's, 5.75%, 7/1/53	15,000	16	Revvity, 3.30%, 9/15/29	14,000	13
LSEGA Financing, 2.50%, 4/6/31 (1)	200,000	171	Reynolds American, 4.45%, 6/12/25	5,000	5
Marathon Oil, 4.40%, 7/15/27	10,000	10	Rogers Communications, 3.20%, 3/15/27	24,000	23
Marriott International, 5.00%, 10/15/27	28,000	28	Rogers Communications, 3.80%, 3/15/32	25,000	23
Mars, 4.75%, 4/20/33 (1)	45,000	45	Rogers Communications, 4.35%, 5/1/49	5,000	4
Marsh & McLennan, 2.25%, 11/15/30	15,000	13	Rogers Communications, 4.55%, 3/15/52	129,000	113
Marsh & McLennan, 5.70%, 9/15/53	50,000	54	Ross Stores, 1.875%, 4/15/31	45,000	37
Mattel, 5.875%, 12/15/27 (1)	40,000	39	Sabine Pass Liquefaction, 4.20%, 3/15/28	15,000	15
Meta Platforms, 5.60%, 5/15/53	65,000	71	SBA Tower Trust, 1.84%, 4/15/27 (1)	50,000	44
Micron Technology, 4.185%, 2/15/27	10,000	10	SBA Tower Trust, 2.593%, 10/15/31 (1)	40,000	32
	22,000	22		10,000	10
Micron Technology, 5.327%, 2/6/29	20,000	21	Sempra, 3.70%, 2/1/28	15,000	14
Micron Technology, 6.75%, 11/1/29			Sempra, 3.70%, 4/1/29		
MidAmerican Energy, 5.85%, 9/15/54	20,000	22	Southern, 5.20%, 6/15/33	60,000	61
Morgan Stanley, VR, 4.431%, 1/23/30 (9)	25,000		Southern, 5.70%, 3/15/34	30,000 20.000	32
Morgan Stanley, VR, 5.123%, 2/1/29 (9)	95,000	96	Southern California Edison, 5.70%, 3/1/53	20,000	21
MPLX, 4.125%, 3/1/27	10,000	10	Southern California Edison, Series D,	20,000	20
Mylan, 4.55%, 4/15/28	10,000	10	4.70%, 6/1/27	30,000	30
NextEra Energy Capital Holdings, 2.44%,	25 000	00	Sprint Capital, 6.875%, 11/15/28	45,000	49
1/15/32	35,000		Sprint Capital, 8.75%, 3/15/32	30,000	37
NextEra Energy Capital Holdings, 5.25%,	15 000	15	Sutter Health, 5.164%, 8/15/33	15,000	15
2/28/53	15,000	15	T-Mobile USA, 5.75%, 1/15/54	85,000	90
NextEra Energy Capital Holdings, 5.749%,	25.000	25	T-Mobile USA, 6.00%, 6/15/54	15,000	17
9/1/25 NiSource 2 40% 5/15/27	25,000 15,000	25 14	Targa Resources Partners, 5.00%, 1/15/28	10,000	10
NiSource, 3.49%, 5/15/27			Targa Resources Partners, 5.50%, 3/1/30	57,000	57
NiSource, 5.25%, 3/30/28	10,000	10	Targa Resources Partners, 6.875%, 1/15/29		10
Nissan Motor Acceptance, 1.85%,	15 000	12	Thermo Fisher Scientific, 5.20%, 1/31/34	20,000	21
9/16/26 (1)	15,000	13	Toronto-Dominion Bank, 5.523%, 7/17/28	10,000	10
NRG Energy, 4.45%, 6/15/29 (1)	15,000	14	UBS Group, VR, 6.301%, 9/22/34 (1)(9)	200,000	211
Occidental Petroleum, 6.375%, 9/1/28	10,000	10	UnitedHealth Group, 4.50%, 4/15/33	40,000	40
Occidental Petroleum, 8.875%, 7/15/30	85,000	99	UnitedHealth Group, 5.05%, 4/15/53	60,000	61
ONEOK, 5.65%, 11/1/28	10,000	10	UnitedHealth Group, 5.875%, 2/15/53	32,000	36
ONEOK, 5.80%, 11/1/30	15,000	15	Utah Acquisition, 3.95%, 6/15/26	111,000	107
ONEOK, 6.05%, 9/1/33	30,000	32	Utah Acquisition, 5.25%, 6/15/46	5,000	4
Oracle, 4.90%, 2/6/33	40,000	40	VF, 2.95%, 4/23/30	15,000	12
O'Reilly Automotive, 5.75%, 11/20/26	10,000	10	Viatris, 3.85%, 6/22/40	42,000	31
Ovintiv, 5.65%, 5/15/28	15,000	15	Viatris, 4.00%, 6/22/50	25,000	18
Pacific Gas & Electric, 2.10%, 8/1/27	14,000	13	Vistra Operations, 5.125%, 5/13/25 (1)	45,000	45
Pacific Gas & Electric, 2.50%, 2/1/31	40,000	33	Vistra Operations, 6.95%, 10/15/33 (1)	15,000	16
Pacific Gas & Electric, 4.55%, 7/1/30	45,000	43	Volkswagen Group of America Finance,		
Pacific Gas & Electric, 5.90%, 6/15/32	10,000	10	3.20%, 9/26/26 (1)	205,000	194
Pacific Gas & Electric, 6.70%, 4/1/53	10,000	11	Walt Disney, 3.60%, 1/13/51	25,000	20
Pacific Gas & Electric, 6.95%, 3/15/34	20,000	22	Warnermedia Holdings, 3.755%, 3/15/27	60,000	57
Pfizer Investment Enterprises, 4.75%,			Wells Fargo, 4.30%, 7/22/27	35,000	34
5/19/33	30,000	30	Wells Fargo, VR, 2.393%, 6/2/28 (9)	115,000	105
Pfizer Investment Enterprises, 5.30%,			Wells Fargo, VR, 2.572%, 2/11/31 (9)	225,000	195
5/19/53	30,000	31	Wells Fargo, VR, 2.879%, 10/30/30 (9)	100,000	89
Pfizer Investment Enterprises, 5.34%,			Wells Fargo, VR, 3.196%, 6/17/27 (9)	10,000	10
5/19/63	40,000	41	Western Midstream Operating, 4.50%,		
Philip Morris International, 5.125%, 2/15/30		25	3/1/28	10,000	10
Pioneer Natural Resources, 5.10%, 3/29/2	6 15,000	15	Westlake, 1.625%, 7/17/29 (EUR)	100,000	99
PNC Financial Services Group, 2.55%,			Williams, 3.75%, 6/15/27	10,000	10
1/22/30	15,000	13	Xcel Energy, 3.40%, 6/1/30	45,000	42
PNC Financial Services Group, VR, 6.615%			Total Corporate Bonds (Cost \$9,134)		8,885
10/20/27 (9)	10,000	10	iotai Ooipoiate Bolius (Oost 43, 134)		3,000
Public Service Enterprise Group, 5.875%,					
10/15/28	10,000	10			

	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)		
<b>EQUITY MUTUAL FUNDS 8.0%</b>			JPMorgan Mortgage Trust, Series 2020-5, Class B2, CMO, ARM, 3.573%, 12/25/50 (1)	23,087	19
T. Rowe Price Institutional Emerging Markets Equity Fund (2)	238,503	7,635	JPMorgan Mortgage Trust, Series 2020- INV1, Class A11, CMO, ARM, 1M TSFR +		
T. Rowe Price Real Assets Fund - I Class (2)		7,016	0.944%, 6.00%, 8/25/50 (1)	5,876	6
Total Equity Mutual Funds (Cost \$12,474)		14,651	JPMorgan Mortgage Trust, Series 2020-		
			INV1, Class A3, CMO, ARM, 3.50%, 8/25/50 (1)	7,835	7
FOREIGN GOVERNMENT OBLIGATION	S &		JPMorgan Mortgage Trust, Series 2020-	7,000	·
MUNICIPALITIES 0.1%			LTV1, Class A15, CMO, ARM, 3.50%,		
Demoklis of Dukasia 4.0750/ 5.40.04			6/25/50 (1)	747	1
Republic of Bulgaria, 4.375%, 5/13/31	21 000	26	JPMorgan Mortgage Trust, Series 2020-		
(EUR)	31,000	36	LTV1, Class A3, CMO, ARM, 3.50%,		
Republic of Bulgaria, 4.875%, 5/13/36 (EUR)	34,000	40	6/25/50 (1)	1,494	
	34,000	40	JPMorgan Mortgage Trust, Series 2020-		
Total Foreign Government Obligations &		76	LTV1, Class B1A, CMO, ARM, 3.245%,		
Municipalities (Cost \$68)		76	6/25/50 (1)	27,941	24
NON HOLONOOPERNATURE MODEO AGE	DAOKED		MFA Trust, Series 2022-INV2, Class A1,		
NON-U.S. GOVERNMENT MORTGAGE-	BACKED		CMO, STEP, 4.95%, 7/25/57 (1)	90,092	
SECURITIES 0.6%			New Residential Mortgage Loan Trust,		
DDOMO Mantana Tanat Onda 0010 DWW			Series 2021-INV2, Class A4, CMO, ARM,		
BBCMS Mortgage Trust, Series 2019-BWAY			2.50%, 9/25/51 (1)	82,517	66
Class D, ARM, 1M TSFR + 2.274%, 7.636%,	25,000	0	OBX Trust, Series 2020-EXP1, Class 1A8,	00.505	0.4
11/15/34 (1) BINOM Securitization Trust, Series 2021-	25,000	9	CMO, ARM, 3.50%, 2/25/60 (1)	26,595	24
INV1, Class A1, CMO, ARM, 2.034%,			SCG Mortgage Trust, Series 2023-NASH,		
6/25/56 (1)	66,008	57	Class A, ARM, 1M TSFR + 2.391%, 7.752%,	55.000	
BX Commercial Mortgage Trust,			12/15/40 (1)	55,000	
Series 2022-CSMO, Class B, ARM, 1M			Sequoia Mortgage Trust, Series 2013-4,	10.000	47
TSFR + 3.141%, 8.503%, 6/15/27 (1)	100,000	100	Class B1, CMO, ARM, 3.437%, 4/25/43	18,008	
CIM Trust, Series 2021-INV1, Class A29,			Sequoia Mortgage Trust, Series 2017-CH2,	F 070	-
CMO, ARM, 2.50%, 7/1/51 (1)	81,907	65	Class A19, CMO, ARM, 4.00%, 12/25/47 (1)	5,876	5
Commercial Mortgage Trust, Series 2016-			SG Residential Mortgage Trust, Series 2019-3, Class A1, CMO, ARM,		
CR28, Class AHR, 3.651%, 2/10/49	26,230	25	2.703%, 9/25/59 (1)	1,515	1
Connecticut Avenue Securities,			Structured Agency Credit Risk Debt Notes,	1,515	'
Series 2017-C06, Class 2ED1, CMO, ARM,			Series 2021-DNA2, Class M2, CMO, ARM,		
SOFR30A + 1.114%, 6.452%, 2/25/30	6,790	7	SOFR30A + 2.30%, 7.637%, 8/25/33 (1)	22,021	22
Finance of America HECM Buyout,			Structured Agency Credit Risk Debt Notes,		<del></del>
Series 2022-HB2, Class A1A, ARM, 4.00%,			Series 2023-HQA3, Class A1, CMO, ARM,		
8/1/32 (1)	48,122	47	SOFR30A + 1.85%, 7.187%, 11/25/43 (1)	99,219	100
Galton Funding Mortgage Trust,			Towd Point Mortgage Trust, Series 2019-		
Series 2018-1, Class A23, CMO, ARM,			HY3, Class A1A, CMO, ARM, 1M TSFR +		
3.50%, 11/25/57 (1)	5,608	5	1.114%, 6.47%, 10/25/59 (1)	26,591	27
Galton Funding Mortgage Trust,			Vista Point Securitization Trust, Series 2020-		
Series 2018-2, Class A22, CMO, ARM,			2, Class A1, CMO, ARM, 1.475%,		
4.00%, 10/25/58 (1)	4,424	4	4/25/65 (1)	20,277	19
Great Wolf Trust, Series 2019-WOLF,			Wells Fargo Commercial Mortgage Trust,		
Class A, ARM, 1M TSFR + 1.148%, 6.71%,	E0 000	<b>F</b> 0	Series 2017-C39, Class B, 4.025%, 9/15/50	125,000	110
12/15/36 (1)	53,000	53	Total Non-U.S. Government Mortgage-		
Great Wolf Trust, Series 2019-WOLF,			Backed Securities (Cost \$1,207)		1,096
Class B, ARM, 1M TSFR + 1.448%, 7.01%, 12/15/36 (1)	15,000	15			
12/15/36 (1) Great Wolf Trust, Series 2019-WOLF, Class	10,000	15	PREFERRED STOCKS 0.1%		
C, ARM, 1M TSFR + 1.747%, 7.309%,					
12/15/36 (1)	35,000	35	CONSUMER DISCRETIONARY 0.1%		
GS Mortgage-Backed Securities Trust,			Automobiles 0.1%		
Series 2021-GR1, Class A4, CMO, ARM,				1,378	101
2.50%, 11/25/51 (1)	80,763	64	Dr. Ing. h.c. F. Porsche (EUR)	1,370	121
JPMorgan Chase Commercial Mortgage			Total Consumer Discretionary		121
Securities Trust, Series 2018-WPT, Class			Total Preferred Stocks (Cost \$117)	_	121
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	Shares/Par	\$ Value		Shares/Par	\$ Value
(Cost and value in \$000s)			(Cost and value in \$000s)	_	
<b>U.S. GOVERNMENT &amp; AGENCY MORT</b>	GAGE-BACKED		2.00%, 3/20/51 - 3/20/52	549,372	465
SECURITIES 5.7%			2.50%, 8/20/50 - 3/20/52	463,967	405
			3.00%, 7/15/43 - 6/20/52	464,399	422
U.S. Government Agency			3.50%, 12/20/42 - 10/20/49	274,117	260
Obligations 4.3%			4.00%, 7/20/42 - 10/20/52	246,301	236
Federal Home Loan Mortgage			4.50%, 10/20/39 - 10/20/52	183,734	181
2.50%, 4/1/30	11,563	11	5.00%, 3/20/34 - 6/20/49	84,039	86
3.00%, 12/1/42 - 4/1/43	59,170	55	5.50%, 10/20/32 - 3/20/49	46,616	49
3.50%, 8/1/42 - 3/1/44	82,193	78	6.00%, 4/15/36 - 12/20/38	7,060	 7
4.00%, 8/1/40 - 8/1/45	39,078	37	6.50%, 3/15/26 - 4/15/26	1,263	1
4.50%, 6/1/39 - 5/1/42	38,770	38	7.00%, 9/20/27	731	 1
5.00%, 7/1/25 - 8/1/40	13,256	12	8.00%, 4/15/26	58	
6.00%, 10/1/32 - 8/1/38	3,294		Government National Mortgage Assn., CMC		<del>-</del>
7.00%, 6/1/32	516	3	3.00%, 11/20/47 - 12/20/47		E
Federal Home Loan Mortgage, ARM				4,664 25,000	5 21
RFUCCT1Y + 1.842%, 4.824%, 1/1/37	1,290	1	3.50%, 10/20/50	25,000	
			Government National Mortgage Assn.,		
RFUCCT1Y + 1.917%, 4.292%, 2/1/37	1,241	1	TBA (11)	90.000	70
Federal Home Loan Mortgage, UMBS	40.000	40	5.00%, 1/20/54	80,000	79
1.50%, 2/1/36 - 4/1/37	48,080	42	5.50%, 1/20/54	195,000	196
2.00%, 8/1/36 - 5/1/52	610,470	505	6.00%, 1/20/54	65,000	66
2.50%, 3/1/42 - 5/1/52	661,009	565	6.50%, 1/20/54	55,000	56
3.00%, 5/1/42 - 6/1/52	279,705	252			2,574
3.50%, 6/1/47 - 10/1/51	134,285	125	Total U.S. Government & Agency		
4.00%, 8/1/37 - 2/1/50	81,352	78	Mortgage-Backed Securities (Cost		
4.50%, 5/1/50 - 11/1/52	130,057	126	\$11,061)		10,487
5.00%, 5/1/53	9,490	9			
5.50%, 8/1/53	91,430	92	U.S. GOVERNMENT AGENCY OBLIGAT	IONS (EXCLUD	ING
Federal National Mortgage Assn.			MORTGAGE-BACKED) 8.3%		
3.00%, 8/1/43 - 2/1/44	8,772	8			
3.50%, 6/1/42 - 1/1/44	82,529	77	U.S. Treasury Obligations 8.3%		
4.00%, 11/1/40	16,719	16	U.S. Treasury Bonds, 1.875%, 2/15/41	245,000	177
Federal National Mortgage Assn., ARM,			U.S. Treasury Bonds, 3.00%, 8/15/52	790,000	649
RFUCCT1Y + 1.869%, 6.119%, 8/1/36	1,344	1	U.S. Treasury Bonds, 3.375%, 8/15/42	1,000,000	895
Federal National Mortgage Assn., CMO, IO	,		U.S. Treasury Bonds, 3.625%, 2/15/53	690,000	640
6.50%, 2/25/32	340	_	U.S. Treasury Bonds, 3.625%, 5/15/53	55,800	52
Federal National Mortgage Assn., UMBS			U.S. Treasury Bonds, 3.875%, 2/15/43	365,000	349
1.50%, 4/1/37 - 1/1/42	158,344	136	U.S. Treasury Bonds, 4.00%, 11/15/42	710,000	692
2.00%, 5/1/36 - 4/1/52	2,211,320	1,845	U.S. Treasury Bonds, 4.00%, 11/15/52	440,000	436
2.50%, 1/1/32 - 9/1/52	1,381,318	1,198	U.S. Treasury Inflation-Indexed Notes,		
3.00%, 6/1/27 - 4/1/52	818,535	745	1.375%, 7/15/33	835,260	811
3.50%, 11/1/32 - 1/1/52	345,559	324	U.S. Treasury Notes, 0.625%, 12/31/27	765,000	673
4.00%, 7/1/35 - 11/1/52	364,960	355	U.S. Treasury Notes, 0.625%, 8/15/30	885,000	718
4.50%, 7/1/39 - 8/1/52	186,618	185	U.S. Treasury Notes, 0.75%, 8/31/26	400,000	367
5.00%, 3/1/34 - 9/1/53	184,718	186	U.S. Treasury Notes, 1.50%, 1/31/27	640,000	594
5.50%, 12/1/34 - 10/1/53	101,424	105	U.S. Treasury Notes, 1.875%, 2/15/32	325,000	280
6.00%, 4/1/33 - 9/1/53	227,633	233	U.S. Treasury Notes, 2.25%, 1/31/24		
	87,389	90	U.S. Treasury Notes, 2.75%, 2/15/24	1,185,000 205,000	1,182 204
6.50%, 7/1/32 - 11/1/53		90			
7.00%, 4/1/32	162	<del>-</del>	U.S. Treasury Notes, 3.25%, 6/30/27	275,000	269
UMBS, TBA (11)	65 000	00	U.S. Treasury Notes, 3.875%, 11/30/27	110,000	110
3.50%, 1/1/54	65,000	60	U.S. Treasury Notes, 3.875%, 12/31/27	505,000	504
4.50%, 1/1/54	70,000	68	U.S. Treasury Notes, 4.125%, 6/15/26	315,000	315
5.00%, 1/1/54	135,000	134	U.S. Treasury Notes, 4.125%, 9/30/27	830,000	836
5.50%, 1/1/54	45,000	45	U.S. Treasury Notes, 4.125%, 8/31/30	285,000	289
6.00%, 1/1/54	35,000	36	U.S. Treasury Notes, 4.50%, 7/15/26	605,000	611
6.50%, 1/1/54	35,000	36	U.S. Treasury Notes, 4.625%, 9/15/26	1,658,900	1,682
		7,913	U.S. Treasury Notes, 4.625%, 10/15/26 (12)	1,090,000	1,106
U.S. Government Obligations 1.4%					
Government National Mortgage Assn.					
1.50% 5/20/37	11 566	38			

38

44,566

1.50%, 5/20/37

	Shares/Par	\$ Value
(Cost and value in \$000s)		
U.S. Treasury Notes, 4.625%, 9/30/30		856 15,297
Total U.S. Government Agency Obligations (Excluding Mortgage-Backet (Cost \$15,338)		15,297
SHORT-TERM INVESTMENTS 5.7%		
Money Market Funds 5.7%		
T. Rowe Price Treasury Reserve Fund, 5.40% (2)(13)	10,455,921	10,456
Total Short-Term Investments (Cost \$10,456)		10,456
SECURITIES LENDING COLLATERAL	0.1%	
INVESTMENTS IN A POOLED ACCOUNT LENDING PROGRAM WITH JPMORGAN		
Money Market Funds 0.1%		
T. Rowe Price Government Reserve Fund, 5.42% (2)(13)	238,431	238
Total Investments in a Pooled Account through Securities Lending Program with JPMorgan Chase Bank	1	238
Total Securities Lending Collateral (Cost \$238)		238
Total Investments in Securities 100.2% of Net Assets		
(Cost \$146,328)	\$	184,211

- ‡ Shares/Par and Notional Amount are denominated in U.S. dollars unless otherwise noted.
- (1) Security was purchased pursuant to Rule 144A under the Securities Act of 1933 and may be resold in transactions exempt from registration only to qualified institutional buyers. Total value of such securities at period-end amounts to \$4,361 and represents 2.4% of net assets.
- (2) Affiliated Companies
- (3) SEC 30-day yield
- (4) Non-income producing
- (5) Security cannot be offered for public resale without first being registered under the Securities Act of 1933 and related rules ("restricted security"). Acquisition date represents the day on which an enforceable right to acquire such security is obtained and is presented along with related cost in the security description. The fund may have registration rights for certain restricted securities. Any costs related to such registration are generally borne by the issuer. The aggregate value of restricted securities (excluding 144A holdings) at period end amounts to \$306 and represents 0.2% of net assets.
- (6) See Note 2. Level 3 in fair value hierarchy.
- (7) See Note 4. All or a portion of this security is on loan at December 31, 2023.
- (8) The identity of certain securities has been concealed to protect the fund while it completes a purchase or selling program for the securities.
- (9) Security is a fix-to-float security, which carries a fixed coupon until a certain date, upon which it switches to a floating rate. Reference rate and spread are provided if the rate is currently floating.
- (10) Security has the ability to pay in-kind or pay in cash. When applicable, separate rates of such payments are disclosed.
- (11) See Note 4. To-Be-Announced purchase commitment. Total value of such securities at period-end amounts to \$776 and represents 0.4% of net assets.
- (12) At December 31, 2023, all or a portion of this security is pledged as collateral and/or margin deposit to cover future funding obligations.
- (13) Seven-day yield

- 1M TSFR One month term SOFR (Secured overnight financing rate)
- 3M TSFR Three month term SOFR (Secured overnight financing rate)
- 6M EURIBOR Six month EURIBOR (Euro interbank offered rate)
  - ADR American Depositary Receipts
  - ARM Adjustable Rate Mortgage (ARM); rate shown is effective rate at period-end. The rates for certain ARMs are not based on a published reference rate and spread but may be determined using a formula based on the rates of the underlying loans.
  - AUD Australian Dollar
  - CAD Canadian Dollar
  - CDI CHESS or CREST Depositary Interest
  - CHF Swiss Franc
  - CLO Collateralized Loan Obligation
  - CMO Collateralized Mortgage Obligation
  - DKK Danish Krone
  - EUR Euro
  - FRN Floating Rate Note
  - GBP British Pound
  - HKD Hong Kong Dollar
  - INR Indian Rupee
  - IO Interest-only security for which the fund receives interest on notional principal
  - ISK Iceland Krona
  - JPY Japanese Yen
  - KRW South Korean Won
  - NOK Norwegian Krone
  - NZD New Zealand Dollar
  - PIK Payment-in-kind
  - REIT A domestic Real Estate Investment Trust whose distributions pass-through with original tax character to the shareholder
  - RFUCCT1Y Twelve month Refinitiv USD IBOR Consumer Cash Fallback
    - SDR Swedish Depository Receipts
    - SEK Swedish Krona
    - SGD Singapore Dollar
  - SOFR30A 30-day Average SOFR (Secured overnight financing rate)
    - STEP Stepped coupon bond for which the coupon rate of interest adjusts on specified date(s); rate shown is effective rate at period-end.
    - TBA To-Be-Announced
    - TWD Taiwan Dollar
    - UMBS Uniform Mortgage-Backed Securities
    - USD U.S. Dollar
    - VR Variable Rate; rate shown is effective rate at period-end. The rates for certain variable rate securities are not based on a published reference rate and spread but are determined by the issuer or agent and based on current market conditions.

			0s)

## **SWAPS 0.1%**

Description	Notional Amount	\$ Value	Upfront Payments/ \$ (Receipts)	Unrealized \$ Gain/(Loss)
BILATERAL SWAPS 0.0%				
Credit Default Swaps, Protection Bought 0.0%				
Morgan Stanley, Protection Bought (Relevant Credit: Markit CMBX.NA.AAA-S15, 40 Year				
Index), Pay 0.50% Monthly, Receive upon credit default, 11/18/64	644	9	17	(8)
Morgan Stanley, Protection Bought (Relevant Credit: Markit CMBX.NA.AAA-S16, 40 Year				
Index), Pay 0.50% Monthly, Receive upon credit default, 4/17/65	106	2	3	(1)
Total Bilateral Credit Default Swaps, Protection Bought			20	(9)
Credit Default Swaps, Protection Sold 0.0%				
JPMorgan Chase, Protection Sold (Relevant Credit: Barclays Bank, Baa1*), Receive 1.00% Quarterly, Pay upon credit default, 6/20/24 (EUR)	10		<del>_</del> _	<del>.</del> .
Total Bilateral Credit Default Swaps, Protection Sold				
Total Bilateral Swaps			20	(9)

Description	Notional Amount	\$ Value	Initial \$ Value	Unrealized \$ Gain/(Loss)
CENTRALLY CLEARED SWAPS 0.1%			'	
Credit Default Swaps, Protection Sold 0.1%				
Protection Sold (Relevant Credit: Markit CDX.NA.HY-S41, 5 Year Index), Receive 5.00%				
Quarterly, Pay upon credit default, 12/20/28	278	16	<del>_</del> _	16
Protection Sold (Relevant Credit: Markit CDX.NA.IG-S41, 5 Year Index), Receive 1.00%				
Quarterly, Pay upon credit default, 12/20/28	3,408	68	49	19
Protection Sold (Relevant Credit: United Mexican States, Baa2*), Receive 1.00% Quarterly, Pay				
upon credit default, 12/20/28	155	<del>-</del>	(2)	2
Total Centrally Cleared Credit Default Swaps, Protection Sold				37
Interest Rate Swaps 0.0%				
5 Year Interest Rate Swap, Receive Fixed 2.678% Annually, Pay Variable 3.960% (6M EURIBOR)				
Semi-Annually, 12/14/28 (EUR)	2,285	26	<del>_</del> _	26
5 Year Interest Rate Swap, Receive Fixed 3.049% Annually, Pay Variable 4.071% (6M EURIBOR)				
Semi-Annually, 11/20/28 (EUR)	2,174	63	<del>_</del> _	63
30 Year Interest Rate Swap, Pay Fixed 2.469% Annually, Receive Variable 3.960% (6M				
EURIBOR) Semi-Annually, 12/15/53 (EUR)	445	(14)	<del>-</del>	(14)
30 Year Interest Rate Swap, Pay Fixed 2.843% Annually, Receive Variable 4.071% (6M				
EURIBOR) Semi-Annually, 11/20/53 (EUR)	466	(54)	<del>-</del> -	(54)
Total Centrally Cleared Interest Rate Swaps				21
Total Centrally Cleared Swaps				58
Net payments (receipts) of variation margin to date				(54)

<sup>\*</sup> Credit ratings as of December 31, 2023. Ratings shown are from Moody's Investors Service and if Moody's does not rate a security, then Standard & Poor's (S&P) is used. Fitch is used for securities that are not rated by either Moody's or S&P.

Variation margin receivable (payable) on centrally cleared swaps

(Amounts in 000s)

## FORWARD CURRENCY EXCHANGE CONTRACTS

					U	nrealized
Counterparty	Settlement	Receive		Deliver	Ga	in/(Loss)
Bank of America	1/19/24	CAD	510	USD	376 \$	9
Bank of America	1/19/24	JPY	41,440	USD	280	15
Bank of America	1/19/24	NZD	155	USD	93	5
Bank of America	1/19/24	USD	62	CAD	85	(2)
Canadian Imperial Bank of Commerce	1/19/24	USD	245	CAD	339	(11)
Citibank	1/17/24	USD	95	KRW	125,720	(3)
Citibank	1/19/24	AUD	295	USD	189	12
Citibank	1/19/24	USD	92	NZD	155	(7)
Deutsche Bank	1/17/24	USD	94	KRW	125,350	(3)
Deutsche Bank	1/19/24	JPY	41,440	USD	280	15
Deutsche Bank	1/19/24	USD	186	AUD	295	(15)
Goldman Sachs	1/19/24	USD	122	JPY	18,077	(6)
JPMorgan Chase	1/19/24	JPY	58,080	USD	411	2
JPMorgan Chase	1/19/24	USD	245	JPY	36,159	(13)
Standard Chartered	1/17/24	KRW	251,070	USD	193	2
State Street	1/19/24	USD	62	CAD	85	(2)
State Street	1/19/24	USD	192	JPY	28,645	(12)
UBS Investment Bank	2/23/24	USD	167	EUR	153	(2)
Net unrealized gain (loss) on open forward						
currency exchange contracts					.\$	(16)

#### **FUTURES CONTRACTS** (\$000s) Value and Unrealized Expiration Notional Date Amount Gain (Loss) Long, 62 U.S. Treasury Notes five year contracts 3/24 6,744 102 Long, 4 U.S. Treasury Notes two year contracts 3/24 823 5 (39) 3/24 (935) Short, 7 Ultra U.S. Treasury Bonds contracts Long, 14 Ultra U.S. Treasury Notes ten year contracts 3/24 1,652 33 Net payments (receipts) of variation margin to date (93) \$ 8 Variation margin receivable (payable) on open futures contracts

## AFFILIATED COMPANIES

(\$000s)

The fund may invest in certain securities that are considered affiliated companies. As defined by the 1940 Act, an affiliated company is one in which the fund owns 5% or more of the outstanding voting securities, or a company that is under common ownership or control. The following securities were considered affiliated companies for all or some portion of the year ended December 31, 2023. Net realized gain (loss), investment income, change in net unrealized gain/loss, and purchase and sales cost reflect all activity for the period then ended.

		Change in Net			
		Net Realized	Unrealized	Investment	
Affiliate		Gain (Loss)	Gain/Loss	Income	
T. Rowe Price Inflation Protected Bond Fund - I Class, 1.39%	\$	_ \$	-	\$ -	
T. Rowe Price Institutional Emerging Markets Bond Fund, 6.15%		(100)	568	396	
T. Rowe Price Institutional Emerging Markets Equity Fund		(134)	206	141	
T. Rowe Price Institutional Floating Rate Fund - Institutional Class, 8.67%		_	11	34	
T. Rowe Price Institutional High Yield Fund - Institutional Class, 7.29%		(268)	873	644	
T. Rowe Price International Bond Fund - I Class, 3.37%		(1,456)	1,601	91	
T. Rowe Price International Bond Fund (USD Hedged) - I Class, 3.46%		_	190	86	
T. Rowe Price Limited Duration Inflation Focused Bond Fund - I Class, 1.62%		_	1	_	
T. Rowe Price Real Assets Fund - I Class		_	312	132	
T. Rowe Price U.S. Large-Cap Core Fund - I Class		_	_	_	
T. Rowe Price Government Reserve Fund, 5.42%		_	_	-++	
T. Rowe Price Treasury Reserve Fund, 5.40%		_	_	588	
Affiliates not held at period end		(192)	201		
Totals	\$	(2,150)# \$	3,963	\$ 2,112+	

O	1	O - II- I -
Supplementary	INVESTMENT	Schedille

	Value	Purchase	Sales	Value
Affiliate	12/31/22	Cost	Cost	12/31/23
T. Rowe Price Inflation Protected Bond Fund - I Class, 1.39%	\$ 6 \$	- \$	- \$	6
T. Rowe Price Institutional Emerging Markets Bond Fund, 6.15%	6,935	496	375	7,624
T. Rowe Price Institutional Emerging Markets Equity Fund	7,172	791	534	7,635
T. Rowe Price Institutional Floating Rate Fund - Institutional Class, 8.67%	359	33	_	403
T. Rowe Price Institutional High Yield Fund - Institutional Class, 7.29%	9,978	642	1,693	9,800
T. Rowe Price International Bond Fund - I Class, 3.37%	6,438	91	6,006	2,124
T. Rowe Price International Bond Fund (USD Hedged) - I Class, 3.46%	_	4,136	_	4,326
T. Rowe Price Limited Duration Inflation Focused Bond Fund - I Class, 1.62%	6	_	_	7
T. Rowe Price Real Assets Fund - I Class	4,767	1,937	_	7,016
T. Rowe Price U.S. Large-Cap Core Fund - I Class	2,483	_	2,684	_
T. Rowe Price Government Reserve Fund, 5.42%	424	a	α	238
T. Rowe Price Treasury Reserve Fund, 5.40%	 10,661	۵	۵	10,456
Total			\$	49,635^

- # Capital gain distributions from underlying Price funds represented \$0 of the net realized gain (loss).
- ++ Excludes earnings on securities lending collateral, which are subject to rebates and fees as described in Note 4.
- + Investment income comprised \$2,112 of dividend income and \$0 of interest income.
- Purchase and sale information not shown for cash management funds.
- ^ The cost basis of investments in affiliated companies was \$49,595.

December 31, 2023

## STATEMENT OF ASSETS AND LIABILITIES

(\$000s, except shares and per share amounts)

Investments in securities, at value (cost \$146,328) Receivable for shares sold Interest and dividends receivable Receivable for investment securities sold Unrealized gain on forward currency exchange contracts Foreign currency (cost \$49) Bilateral swap premiums paid Variation margin receivable on futures contracts Cash Variation margin receivable on centrally cleared swaps Other assets Total assets	\$	184,211 453 371 165 60 50 20 8 5 4 110 185,457
Liabilities Payable for investment securities purchased Obligation to return securities lending collateral Payable for shares redeemed Investment management and administrative fees payable Unrealized loss on forward currency exchange contracts Unrealized loss on bilateral swaps Total liabilities		985 238 173 159 76 9
NET ASSETS	\$	183,817
Net Assets Consist of: Total distributable earnings (loss) Paid-in capital applicable to 9,181,343 shares of \$0.0001 par value capital stock outstanding; 1,000,000,000 shares of the Corporation authorized  NET ASSETS	\$ <b>\$</b>	36,086 147,731 <b>183,817</b>
NET ASSET VALUE PER SHARE	\$	20.02

The accompanying notes are an integral part of these financial statements.

# STATEMENT OF OPERATIONS

(\$000s)

(40003)	
	Year
	Ended
	12/31/23
Investment Income (Loss)	
Income	
Dividend (net of foreign taxes of \$87)	\$ 3,634
Interest	1,402
Securities lending	4
Total income	5,040
Expenses	
Investment management and administrative expense	1,520
Waived / paid by Price Associates	(328)
Net expenses	1,192
Net investment income	3,848
Realized and Unrealized Gain / Loss	
Net realized gain (loss)	
Securities	2,029
Futures	(442)
Swaps	(6)
Forward currency exchange contracts	11
Foreign currency transactions	5
Net realized gain	1,597
Change in net unrealized gain / loss	
Securities	18,822
Futures	123
Swaps	39
Forward currency exchange contracts	(13)
Other assets and liabilities denominated in foreign currencies	6
Change in net unrealized gain / loss	18,977
Net realized and unrealized gain / loss	20,574
INCREASE IN NET ASSETS FROM OPERATIONS	\$ 24,422

The accompanying notes are an integral part of these financial statements.

# STATEMENT OF CHANGES IN NET ASSETS

(\$000s)

Year Ended 12/31/23	12/31/22
3,848 \$	2,807
1,597	(1,176)
	(39,492)
24,422	(37,861)
(4,432)	(6,064)
21,018	15,092
4,432	6,064
(23,607)	(24,543)
1,843	(3,387)
21,833	(47,312)
161,984	209,296
183,817 \$	161,984
1,108	779
232	335
(1,256)	(1,265)
84	(151)
	Ended 12/31/23  3,848 1,597 18,977 24,422  (4,432)  21,018 4,432 (23,607) 1,843  21,833 161,984 183,817  1,108 232 (1,256)

The accompanying notes are an integral part of these financial statements.

## NOTES TO FINANCIAL STATEMENTS

T. Rowe Price Equity Series, Inc. (the corporation) is registered under the Investment Company Act of 1940 (the 1940 Act). The Moderate Allocation Portfolio (the fund) is a diversified, open-end management investment company established by the corporation. The fund seeks the highest total return over time consistent with an emphasis on both capital appreciation and income. Shares of the fund are currently offered only to insurance company separate accounts established for the purpose of funding variable annuity contracts and variable life insurance policies.

#### **NOTE 1 - SIGNIFICANT ACCOUNTING POLICIES**

Basis of Preparation The fund is an investment company and follows accounting and reporting guidance in the Financial Accounting Standards Board (FASB) *Accounting Standards Codification* Topic 946 (ASC 946). The accompanying financial statements were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP), including, but not limited to, ASC 946. GAAP requires the use of estimates made by management. Management believes that estimates and valuations are appropriate; however, actual results may differ from those estimates, and the valuations reflected in the accompanying financial statements may differ from the value ultimately realized upon sale or maturity.

Investment Transactions, Investment Income, and Distributions Investment transactions are accounted for on the trade date basis. Income and expenses are recorded on the accrual basis. Realized gains and losses are reported on the identified cost basis. Premiums and discounts on debt securities are amortized for financial reporting purposes. Paydown gains and losses are recorded as an adjustment to interest income. Inflation adjustments to the principal amount of inflation-indexed bonds are reflected as interest income. Income tax-related interest and penalties, if incurred, are recorded as income tax expense. Dividends received from other investment companies are reflected as dividend income; capital gain distributions are reflected as realized gain/loss. Dividend income and capital gain distributions are recorded on the ex-dividend date. Distributions from REITs are initially recorded as dividend income and, to the extent such represent a return of capital or capital gain for tax purposes, are reclassified when such information becomes available. Non-cash dividends, if any, are recorded at the fair market value of the asset received. Proceeds from litigation payments, if any, are included in either net realized gain (loss) or change in net unrealized gain/loss from securities. Distributions to shareholders are recorded on the ex-dividend date. Income distributions, if any, are declared and paid quarterly. A capital gain distribution, if any, may also be declared and paid by the fund annually.

Currency Translation Assets, including investments, and liabilities denominated in foreign currencies are translated into U.S. dollar values each day at the prevailing exchange rate, using the mean of the bid and asked prices of such currencies against U.S. dollars as provided by an outside pricing service. Purchases and sales of securities, income, and expenses are translated into U.S. dollars at the prevailing exchange rate on the respective date of such transaction. The effect of changes in foreign currency exchange rates on realized and unrealized security gains and losses is not bifurcated from the portion attributable to changes in market prices.

**In-Kind Subscriptions** Under certain circumstances, and when considered to be in the best interest of all shareholders, the fund may accept portfolio securities rather than cash as payment for the purchase of fund shares (in-kind subscription). For financial reporting and tax purposes, the cost basis of contributed securities is equal to the market value of the securities on the date of contribution. In-kind subscriptions result in no gain or loss and no tax consequences for the fund. During the year ended December 31, 2023, the fund accepted \$2,140,000 of in-kind subscriptions.

Capital Transactions Each investor's interest in the net assets of the fund is represented by fund shares. The fund's net asset value (NAV) per share is computed at the close of the New York Stock Exchange (NYSE), normally 4 p.m. ET, each day the NYSE is open for business. However, the NAV per share may be calculated at a time other than the normal close of the NYSE if trading on the NYSE is restricted, if the NYSE closes earlier, or as may be permitted by the SEC. Purchases and redemptions of fund shares are transacted at the next-computed NAV per share, after receipt of the transaction order by T. Rowe Price Associates, Inc., or its agents.

New Accounting Guidance In June 2022, the FASB issued Accounting Standards Update (ASU), ASU 2022-03, Fair Value Measurement (Topic 820) – Fair Value Measurement of Equity Securities Subject to Contractual Sale Restrictions, which clarifies that a contractual restriction on the sale of an equity security is not considered part of the unit of account of the equity security and, therefore, is not considered in measuring fair value. The amendments under this ASU are effective for fiscal years beginning after December 15, 2023; however, the fund opted to early adopt, as permitted, effective December 1, 2022. Adoption of the guidance did not have a material impact on the fund's financial statements.

The FASB issued Accounting Standards Update (ASU), ASU 2020–04, Reference Rate Reform (Topic 848) – Facilitation of the Effects of Reference Rate Reform on Financial Reporting in March 2020 and ASU 2021-01 in January 2021 which provided further amendments and clarifications to Topic 848. These ASUs provide optional, temporary relief with respect to the financial reporting of contracts subject to certain types of modifications due to the planned discontinuation of the London Interbank Offered Rate (LIBOR), and other interbank-offered based reference rates, through December 31, 2022. In December 2022, FASB issued ASU 2022-06 which defers the sunset date of Topic 848 from December 31, 2022 to December 31, 2024, after which entities will no longer be permitted to apply the relief in Topic 848. Management intends to rely upon the relief provided under Topic 848, which is not expected to have a material impact on the fund's financial statements.

**Indemnification** In the normal course of business, the fund may provide indemnification in connection with its officers and directors, service providers, and/or private company investments. The fund's maximum exposure under these arrangements is unknown; however, the risk of material loss is currently considered to be remote.

#### **NOTE 2 - VALUATION**

Fair Value The fund's financial instruments are valued at the close of the NYSE and are reported at fair value, which GAAP defines as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fund's Board of Directors (the Board) has designated T. Rowe Price Associates, Inc. as the fund's valuation designee (Valuation Designee). Subject to oversight by the Board, the Valuation Designee performs the following functions in performing fair value determinations: assesses and manages valuation risks; establishes and applies fair value methodologies; tests fair value methodologies; and evaluates pricing vendors and pricing agents. The duties and responsibilities of the Valuation Designee are performed by its Valuation Committee. The Valuation Designee provides periodic reporting to the Board on valuation matters.

Various valuation techniques and inputs are used to determine the fair value of financial instruments. GAAP establishes the following fair value hierarchy that categorizes the inputs used to measure fair value:

Level 1 - quoted prices (unadjusted) in active markets for identical financial instruments that the fund can access at the reporting date

Level 2 – inputs other than Level 1 quoted prices that are observable, either directly or indirectly (including, but not limited to, quoted prices for similar financial instruments in active markets, quoted prices for identical or similar financial instruments in inactive markets, interest rates and yield curves, implied volatilities, and credit spreads)

Level 3 – unobservable inputs (including the Valuation Designee's assumptions in determining fair value)

Observable inputs are developed using market data, such as publicly available information about actual events or transactions, and reflect the assumptions that market participants would use to price the financial instrument. Unobservable inputs are those for which market data are not available and are developed using the best information available about the assumptions that market participants would use to price the financial instrument. GAAP requires valuation techniques to maximize the use of relevant observable inputs and minimize the use of unobservable inputs. When multiple inputs are used to derive fair value, the financial instrument is assigned to the level within the fair value hierarchy based on the lowest-level input that is significant to the fair value of the financial instrument. Input levels are not necessarily an indication of the risk or liquidity associated with financial instruments at that level but rather the degree of judgment used in determining those values.

Valuation Techniques Equity securities, including exchange-traded funds, listed or regularly traded on a securities exchange or in the over-the-counter (OTC) market are valued at the last quoted sale price or, for certain markets, the official closing price at the time the valuations are made. OTC Bulletin Board securities are valued at the mean of the closing bid and asked prices. A security that is listed or traded on more than one exchange is valued at the quotation on the exchange determined to be the primary market for such security. Listed securities not traded on a particular day are valued at the mean of the closing bid and asked prices for domestic securities and the last quoted sale or closing price for international securities.

The last quoted prices of non-U.S. equity securities may be adjusted to reflect the fair value of such securities at the close of the NYSE, if the Valuation Designee determines that developments between the close of a foreign market and the close of the NYSE will affect the value of some or all of the fund's portfolio securities. Each business day, the Valuation Designee uses information from outside pricing services to evaluate the quoted prices of portfolio securities and, if appropriate, decide whether it is necessary to adjust quoted prices to reflect fair value by reviewing a variety of factors, including developments in foreign markets, the performance of U.S.

securities markets, and the performance of instruments trading in U.S. markets that represent foreign securities and baskets of foreign securities. The Valuation Designee uses outside pricing services to provide it with quoted prices and information to evaluate or adjust those prices. The Valuation Designee cannot predict how often it will use quoted prices and how often it will determine it necessary to adjust those prices to reflect fair value.

Debt securities generally are traded in the over-the-counter (OTC) market and are valued at prices furnished by independent pricing services or by broker dealers who make markets in such securities. When valuing securities, the independent pricing services consider factors such as, but not limited to, the yield or price of bonds of comparable quality, coupon, maturity, and type, as well as prices quoted by dealers who make markets in such securities.

Investments in mutual funds are valued at the mutual fund's closing NAV per share on the day of valuation. Futures contracts are valued at closing settlement prices. Forward currency exchange contracts are valued using the prevailing forward exchange rate. Swaps are valued at prices furnished by an independent pricing service or independent swap dealers. Assets and liabilities other than financial instruments, including short-term receivables and payables, are carried at cost, or estimated realizable value, if less, which approximates fair value.

Investments for which market quotations are not readily available or deemed unreliable are valued at fair value as determined in good faith by the Valuation Designee. The Valuation Designee has adopted methodologies for determining the fair value of investments for which market quotations are not readily available or deemed unreliable, including the use of other pricing sources. Factors used in determining fair value vary by type of investment and may include market or investment specific considerations. The Valuation Designee typically will afford greatest weight to actual prices in arm's length transactions, to the extent they represent orderly transactions between market participants, transaction information can be reliably obtained, and prices are deemed representative of fair value. However, the Valuation Designee may also consider other valuation methods such as market-based valuation multiples; a discount or premium from market value of a similar, freely traded security of the same issuer; discounted cash flows; yield to maturity; or some combination. Fair value determinations are reviewed on a regular basis. Because any fair value determination involves a significant amount of judgment, there is a degree of subjectivity inherent in such pricing decisions. Fair value prices determined by the Valuation Designee could differ from those of other market participants, and it is possible that the fair value determined for a security may be materially different from the value that could be realized upon the sale of that security.

**Valuation Inputs** The following table summarizes the fund's financial instruments, based on the inputs used to determine their fair values on December 31, 2023 (for further detail by category, please refer to the accompanying Portfolio of Investments):

(\$000-)		Level 1	Level 2	Level 3	Total Value
(\$000s)		Level	Level 2	Level 3	iotai value
Assets	•	Φ.	00 100 4	•	00.400
Fixed Income Securities <sup>1</sup>	\$	<b>-</b> \$	38,489 \$	<b>-</b> \$	38,489
Bond Mutual Funds		24,290	_	_	24,290
Common Stocks		73,684	21,977	75	95,736
Convertible Bonds		_	_	-	_
Convertible Preferred Stocks		_	_	230	230
Equity Mutual Funds		14,651	_	_	14,651
Preferred Stocks		_	121	_	121
Short-Term Investments		10,456	_	_	10,456
Securities Lending Collateral		238	_	_	238
Total Securities		123,319	60,587	305	184,211
Swaps*		_	137	_	137
Forward Currency Exchange Contracts		_	60	_	60
Futures Contracts*		140	_	_	140
Total	\$	123,459 \$	60,784 \$	305 \$	184,548
Liabilities					
Swaps*	\$	- \$	68 \$	- \$	68
Forward Currency Exchange Contracts		_	76	_	76
Futures Contracts*		39	-	_	39
Total	\$	39 \$	144 \$	- \$	183
	•	· · · · ·			

<sup>&</sup>lt;sup>1</sup> Includes Asset-Backed Securities, Corporate Bonds, Foreign Government Obligations & Municipalities, Non-U.S. Government Mortgage-Backed Securities, U.S. Government & Agency Mortgage-Backed Securities and U.S. Government Agency Obligations (Excluding Mortgage-Backed).

## **NOTE 3 - DERIVATIVE INSTRUMENTS**

During the year ended December 31, 2023, the fund invested in derivative instruments. As defined by GAAP, a derivative is a financial instrument whose value is derived from an underlying security price, foreign exchange rate, interest rate, index of prices or rates, or other variable; it requires little or no initial investment and permits or requires net settlement. The fund invests in derivatives only if the expected risks and rewards are consistent with its investment objectives, policies, and overall risk profile, as described in its prospectus and Statement of Additional Information. The fund may use derivatives for a variety of purposes and may use them to establish both long and short positions within the fund's portfolio. Potential uses include to hedge against declines in principal value, increase yield, invest in an asset with greater efficiency and at a lower cost than is possible through direct investment, to enhance return, or to adjust credit exposure. The risks associated with the use of derivatives are different from, and potentially much greater than, the risks associated with investing directly in the instruments on which the derivatives are based.

The fund values its derivatives at fair value and recognizes changes in fair value currently in its results of operations. Accordingly, the fund does not follow hedge accounting, even for derivatives employed as economic hedges. Generally, the fund accounts for its derivatives on a gross basis. It does not offset the fair value of derivative liabilities against the fair value of derivative assets on its financial statements, nor does it offset the fair value of derivative instruments against the right to reclaim or obligation to return

<sup>\*</sup>The fair value presented includes cumulative gain (loss) on open futures contracts and centrally cleared swaps; however, the net value reflected on the accompanying Portfolio of Investments is only the unsettled variation margin receivable (payable) at that date.

collateral. The following table summarizes the fair value of the fund's derivative instruments held as of December 31, 2023, and the related location on the accompanying Statement of Assets and Liabilities, presented by primary underlying risk exposure:

(\$000s)	Location on Statement of Assets and Liabilities		Fair Value*
Assets			
Interest rate derivatives	Centrally Cleared Swaps, Futures	\$	229
Foreign exchange derivatives	Forwards		60
Credit derivatives	Bilateral Swaps and Premiums, Centrally Cleared Swaps	**********	48
Total		\$	337
Liabilities			
Interest rate derivatives	Centrally Cleared Swaps, Futures	\$	107
Foreign exchange derivatives	Forwards		76
Total		\$	183

<sup>\*</sup> The fair value presented includes cumulative gain (loss) on open futures contracts and centrally cleared swaps; however, the value reflected on the accompanying Statement of Assets and Liabilities is only the unsettled variation margin receivable (payable) at that date.

Additionally, the amount of gains and losses on derivative instruments recognized in fund earnings during the year ended December 31, 2023, and the related location on the accompanying Statement of Operations is summarized in the following table by primary underlying risk exposure:

(\$000s)	Location of Gain (Loss) on Statement of Operations										
		Sec	urities^		Futures	E	Forward Currency Exchange Contracts		Swaps		Total
Realized Gain (Loss)											
Interest rate derivatives		\$	(11)	\$	(442)	\$	_	\$	(20)	\$	(473)
Foreign exchange derivatives			(14)		_		11		_		(3)
Credit derivatives		***************************************	(1)		_		<del>-</del>	***********	14		13
Total		\$	(26)	\$	(442)	\$	11	\$	(6)	\$	(463)
Change in Unrealized Gain (Loss)											
Interest rate derivatives		\$	-	\$	123	\$	_	\$	21	\$	144
Foreign exchange derivatives			-		_		(13)		_		(13)
Credit derivatives			_		_		_		18		18
Total		\$	_	\$	123	\$	(13)	\$	39	\$	149

<sup>^</sup> Options purchased are reported as securities.

Counterparty Risk and Collateral The fund invests in derivatives in various markets, which expose it to differing levels of counterparty risk. Counterparty risk on exchange-traded and centrally cleared derivative contracts, such as futures, exchange-traded options, and centrally cleared swaps, is minimal because the clearinghouse provides protection against counterparty defaults. For futures and centrally cleared swaps, the fund is required to deposit collateral in an amount specified by the clearinghouse and the clearing firm (margin requirement), and the margin requirement must be maintained over the life of the contract. Each clearinghouse and clearing firm, in its sole discretion, may adjust the margin requirements applicable to the fund.

Derivatives, such as non-cleared bilateral swaps, forward currency exchange contracts, and OTC options, that are transacted and settle directly with a counterparty (bilateral derivatives) may expose the fund to greater counterparty risk. To mitigate this risk, the fund has entered into master netting arrangements (MNAs) with certain counterparties that permit net settlement under specified conditions and, for certain counterparties, also require the exchange of collateral to cover mark-to-market exposure. MNAs may be in the form of International Swaps and Derivatives Association master agreements (ISDAs) or foreign exchange letter agreements (FX letters).

MNAs provide the ability to offset amounts the fund owes a counterparty against amounts the counterparty owes the fund (net settlement). Both ISDAs and FX letters generally allow termination of transactions and net settlement upon the occurrence of contractually specified events, such as failure to pay or bankruptcy. In addition, ISDAs specify other events, the occurrence of which would allow one of the parties to terminate. For example, a downgrade in credit rating of a counterparty below a specified rating would allow the fund to terminate, while a decline in the fund's net assets of more than a specified percentage would allow the counterparty to terminate. Upon termination, all transactions with that counterparty would be liquidated and a net termination amount settled. ISDAs typically include collateral agreements whereas FX letters do not. Collateral requirements are determined daily based on the net aggregate unrealized gain or loss on all bilateral derivatives with a counterparty, subject to minimum transfer amounts that typically range from \$100,000 to \$250,000. Any additional collateral required due to changes in security values is typically transferred the next business day.

Collateral may be in the form of cash or debt securities issued by the U.S. government or related agencies, although other securities may be used depending on the terms outlined in the applicable MNA. Cash posted by the fund is reflected as cash deposits in the accompanying financial statements and generally is restricted from withdrawal by the fund; securities posted by the fund are so noted in the accompanying Portfolio of Investments; both remain in the fund's assets. Collateral pledged by counterparties is not included in the fund's assets because the fund does not obtain effective control over those assets. For bilateral derivatives, collateral posted or received by the fund is held in a segregated account at the fund's custodian. While typically not sold in the same manner as equity or fixed income securities, exchange-traded or centrally cleared derivatives may be closed out only on the exchange or clearinghouse where the contracts were cleared, and OTC and bilateral derivatives may be unwound with counterparties or transactions assigned to other counterparties to allow the fund to exit the transaction. This ability is subject to the liquidity of underlying positions. As of December 31, 2023, no collateral was pledged by either the fund or counterparties for bilateral derivatives. As of December 31, 2023, securities valued at \$408,000 had been posted by the fund for exchange-traded and/or centrally cleared derivatives.

Forward Currency Exchange Contracts The fund is subject to foreign currency exchange rate risk in the normal course of pursuing its investment objectives. It may use forward currency exchange contracts (forwards) primarily to protect its non-U.S. dollar-denominated securities from adverse currency movements or to increase exposure to a particular foreign currency, to shift the fund's foreign currency exposure from one country to another, or to enhance the fund's return. A forward involves an obligation to purchase or sell a fixed amount of a specific currency on a future date at a price set at the time of the contract. Although certain forwards may be settled by exchanging only the net gain or loss on the contract, most forwards are settled with the exchange of the underlying currencies in accordance with the specified terms. Forwards are valued at the unrealized gain or loss on the contract, which reflects the net amount the fund either is entitled to receive or obligated to deliver, as measured by the difference between the forward exchange rates at the date of entry into the contract and the forward rates at the reporting date. Appreciated forwards are reflected as liabilities on the accompanying Statement of Assets and Liabilities. When a contract is closed, a realized gain or loss is recorded on the accompanying Statement of Operations. Risks related to the use of forwards include the possible failure of counterparties to meet the terms of the agreements; that anticipated currency movements will not occur, thereby reducing the fund's total return; and the potential for losses in excess of the fund's initial investment. During the year ended December 31, 2023, the volume of the fund's activity in forwards, based on underlying notional amounts, was generally less than 1% of net assets.

**Futures Contracts** The fund is subject to interest rate risk in the normal course of pursuing its investment objectives and uses futures contracts to help manage such risk. The fund may enter into futures contracts to manage exposure to interest rates, security prices, foreign currencies, and credit quality; as an efficient means of adjusting exposure to all or part of a target market; to enhance income;

as a cash management tool; or to adjust credit exposure. A futures contract provides for the future sale by one party and purchase by another of a specified amount of a specific underlying financial instrument at an agreed-upon price, date, time, and place. The fund currently invests only in exchange-traded futures, which generally are standardized as to maturity date, underlying financial instrument, and other contract terms. Payments are made or received by the fund each day to settle daily fluctuations in the value of the contract (variation margin), which reflect changes in the value of the underlying financial instrument. Variation margin is recorded as unrealized gain or loss until the contract is closed. The value of a futures contract included in net assets is the amount of unsettled variation margin; net variation margin receivable is reflected as an asset and net variation margin payable is reflected as a liability on the accompanying Statement of Assets and Liabilities. When a contract is closed, a realized gain or loss is recorded on the accompanying Statement of Operations. Risks related to the use of futures contracts include possible illiquidity of the futures markets, contract prices that can be highly volatile and imperfectly correlated to movements in hedged security values and/or interest rates, and potential losses in excess of the fund's initial investment. During the year ended December 31, 2023, the volume of the fund's activity in futures, based on underlying notional amounts, was generally between 1% and 10% of net assets.

Options The fund is subject to interest rate risk, foreign currency exchange rate risk and credit risk in the normal course of pursuing its investment objectives and uses options to help manage such risks. The fund may use options to manage exposure to security prices, interest rates, foreign currencies, and credit quality; as an efficient means of adjusting exposure to all or a part of a target market; to enhance income; as a cash management tool; or to adjust credit exposure. The fund may buy or sell options that can be settled either directly with the counterparty (OTC option) or through a central clearinghouse (exchange-traded option). Options are included in net assets at fair value, options purchased are included in Investments in Securities, and options written are separately reflected as a liability on the accompanying Statement of Assets and Liabilities. Premiums on unexercised, expired options are recorded as realized gains or losses on the accompanying Statement of Operations; premiums on exercised options are recorded as an adjustment to the proceeds from the sale or cost of the purchase. The difference between the premium and the amount received or paid in a closing transaction is also treated as realized gain or loss on the accompanying Statement of Operations. In return for a premium paid, currency options give the holder the right, but not the obligation, to buy and sell currency at a specified exchange rate; although certain currency options may be settled by exchanging only the net gain or loss on the contract. In return for a premium paid, call and put options on futures give the holder the right, but not the obligation, to purchase or sell, respectively, a position in a particular futures contract at a specified exercise price. In return for a premium paid, options on swaps give the holder the right, but not the obligation, to enter a specified swap contract on predefined terms. The exercise price of an option on a credit default swap is stated in terms of a specified spread that represents the cost of credit protection on the reference asset, including both the upfront premium to open the position and future periodic payments. The exercise price of an interest rate swap is stated in terms of a fixed interest rate; generally, there is no upfront payment to open the position. Risks related to the use of options include possible illiquidity of the options markets; trading restrictions imposed by an exchange or counterparty; possible failure of counterparties to meet the terms of the agreements; movements in the underlying asset values, interest rates, currency values and credit ratings; and, for options written, the potential for losses to exceed any premium received by the fund. During the year ended December 31, 2023, the volume of the fund's activity in options, based on underlying notional amounts, was generally between 0% and 2% of net assets.

Swaps The fund is subject to interest rate risk and credit risk in the normal course of pursuing its investment objectives and uses swap contracts to help manage such risks. The fund may use swaps in an effort to manage both long and short exposure to changes in interest rates, inflation rates, and credit quality; to adjust overall exposure to certain markets; to enhance total return or protect the value of portfolio securities; to serve as a cash management tool; or to adjust credit exposure. Swap agreements can be settled either directly with the counterparty (bilateral swap) or through a central clearinghouse (centrally cleared swap). Fluctuations in the fair value of a contract are reflected in unrealized gain or loss and are reclassified to realized gain or loss on the accompanying Statement of Operations upon contract termination or cash settlement. Net periodic receipts or payments required by a contract increase or decrease, respectively, the value of the contract until the contractual payment date, at which time such amounts are reclassified from unrealized to realized gain or loss on the accompanying Statement of Operations. For bilateral swaps, cash payments are made or received by the fund on a periodic basis in accordance with contract terms; unrealized gain on contracts and premiums paid are reflected as assets and unrealized loss on contracts and premiums received are reflected as liabilities on the accompanying Statement of Assets and Liabilities. For bilateral swaps, premiums paid or received are amortized over the life of the swap and are recognized as realized gain or loss on the accompanying Statement of Operations. For centrally cleared swaps, payments are made or received by the fund each day to settle the daily fluctuation in the value of the contract (variation margin). Accordingly, the value of a centrally cleared swap included in net assets is the unsettled variation margin; net variation margin receivable is reflected as an asset and net variation margin payable is reflected as a liability on the accompanying Statement of Assets and Liabilities.

Interest rate swaps are agreements to exchange cash flows based on the difference between specified interest rates applied to a notional principal amount for a specified period of time. Risks related to the use of interest rate swaps include the potential for unanticipated movements in interest or currency rates, the possible failure of a counterparty to perform in accordance with the terms of the swap agreements, potential government regulation that could adversely affect the fund's swap investments, and potential losses in excess of the fund's initial investment.

Credit default swaps are agreements where one party (the protection buyer) agrees to make periodic payments to another party (the protection seller) in exchange for protection against specified credit events, such as certain defaults and bankruptcies related to an underlying credit instrument, or issuer or index of such instruments. Upon occurrence of a specified credit event, the protection seller is required to pay the buyer the difference between the notional amount of the swap and the value of the underlying credit, either in the form of a net cash settlement or by paying the gross notional amount and accepting delivery of the relevant underlying credit. For credit default swaps where the underlying credit is an index, a specified credit event may affect all or individual underlying securities included in the index and will be settled based upon the relative weighting of the affected underlying security(ies) within the index. Generally, the payment risk for the seller of protection is inversely related to the current market price or credit rating of the underlying credit or the market value of the contract relative to the notional amount, which are indicators of the markets' valuation of credit quality. As of December 31, 2023, the notional amount of protection sold by the fund totaled \$3,852,000 (2.1% of net assets), which reflects the maximum potential amount the fund could be required to pay under such contracts. Risks related to the use of credit default swaps include the possible inability of the fund to accurately assess the current and future creditworthiness of underlying issuers, the possible failure of a counterparty to perform in accordance with the terms of the swap agreements, potential government regulation that could adversely affect the fund's swap investments, and potential losses in excess of the fund's initial investment.

During the year ended December 31, 2023, the volume of the fund's activity in swaps, based on underlying notional amounts, was generally between 0% and 6% of net assets.

#### **NOTE 4 - OTHER INVESTMENT TRANSACTIONS**

Consistent with its investment objective, the fund engages in the following practices to manage exposure to certain risks and/or to enhance performance. The investment objective, policies, program, and risk factors of the fund are described more fully in the fund's prospectus and Statement of Additional Information.

Emerging and Frontier Markets The fund invests, either directly or through investments in other T. Rowe Price funds, in securities of companies located in, issued by governments of, or denominated in or linked to the currencies of emerging and frontier market countries. Emerging markets, and to a greater extent frontier markets, tend to have economic structures that are less diverse and mature, less developed legal and regulatory regimes, and political systems that are less stable, than those of developed countries. These markets may be subject to greater political, economic, and social uncertainty and differing accounting standards and regulatory environments that may potentially impact the fund's ability to buy or sell certain securities or repatriate proceeds to U.S. dollars. Emerging markets securities exchanges are more likely to experience delays with the clearing and settling of trades, as well as the custody of holdings by local banks, agents, and depositories. Such securities are often subject to greater price volatility, less liquidity, and higher rates of inflation than U.S. securities. Investing in frontier markets is typically significantly riskier than investing in other countries, including emerging markets.

**Restricted Securities** The fund invests in securities that are subject to legal or contractual restrictions on resale. Prompt sale of such securities at an acceptable price may be difficult and may involve substantial delays and additional costs.

Collateralized Loan Obligations The fund invests in collateralized loan obligations (CLOs) which are entities backed by a diversified pool of syndicated bank loans. The cash flows of the CLO can be split into multiple segments, called "tranches" or "classes", which will vary in risk profile and yield. The riskiest segments, which are the subordinate or "equity" tranches, bear the greatest risk of loss from defaults in the underlying assets of the CLO and serve to protect the other, more senior, tranches. Senior tranches will typically have higher credit ratings and lower yields than the securities underlying the CLO. Despite the protection from the more junior tranches, senior tranches can experience substantial losses.

**Mortgage-Backed Securities** The fund invests in mortgage-backed securities (MBS or pass-through certificates) that represent an interest in a pool of specific underlying mortgage loans and entitle the fund to the periodic payments of principal and interest from those mortgages. MBS may be issued by government agencies or corporations, or private issuers. Most MBS issued by government

agencies are guaranteed; however, the degree of protection differs based on the issuer. The fund also invests in stripped MBS, created when a traditional MBS is split into an interest-only (IO) and a principal-only (PO) strip. MBS, including IOs and POs, are sensitive to changes in economic conditions that affect the rate of prepayments and defaults on the underlying mortgages; accordingly, the value, income, and related cash flows from MBS may be more volatile than other debt instruments. IOs also risk loss of invested principal from faster-than-anticipated prepayments.

TBA Purchase, Sale Commitments and Forward Settling Mortgage Obligations The fund enters into to-be-announced (TBA) purchase or sale commitments (collectively, TBA transactions), pursuant to which it agrees to purchase or sell, respectively, mortgage-backed securities for a fixed unit price, with payment and delivery at a scheduled future date beyond the customary settlement period for such securities. With TBA transactions, the particular securities to be received or delivered by the fund are not identified at the trade date; however, the securities must meet specified terms, including rate and mortgage term, and be within industry-accepted "good delivery" standards. The fund may enter into TBA transactions with the intention of taking possession of or relinquishing the underlying securities, may elect to extend the settlement by "rolling" the transaction, and/or may use TBA transactions to gain or reduce interim exposure to underlying securities.

To mitigate counterparty risk, the fund has entered into Master Securities Forward Transaction Agreements (MSFTA) with counterparties that provide for collateral and the right to offset amounts due to or from those counterparties under specified conditions. Subject to minimum transfer amounts, collateral requirements are determined and transfers made based on the net aggregate unrealized gain or loss on all TBA commitments and other forward settling mortgage obligations with a particular counterparty (collectively, MSFTA Transactions). At any time, the fund's risk of loss from a particular counterparty related to its MSFTA Transactions is the aggregate unrealized gain on appreciated MSFTA Transactions in excess of unrealized loss on depreciated MSFTA Transactions and collateral received, if any, from such counterparty. As of December 31, 2023, no collateral was pledged by the fund or counterparties for MSFTA Transactions.

Securities Lending The fund may lend its securities to approved borrowers to earn additional income. Its securities lending activities are administered by a lending agent in accordance with a securities lending agreement. Security loans generally do not have stated maturity dates, and the fund may recall a security at any time. The fund receives collateral in the form of cash or U.S. government securities. Collateral is maintained over the life of the loan in an amount not less than the value of loaned securities; any additional collateral required due to changes in security values is delivered to the fund the next business day. Cash collateral is invested in accordance with investment guidelines approved by fund management. Additionally, the lending agent indemnifies the fund against losses resulting from borrower default. Although risk is mitigated by the collateral and indemnification, the fund could experience a delay in recovering its securities and a possible loss of income or value if the borrower fails to return the securities, collateral investments decline in value, and the lending agent fails to perform. Securities lending revenue consists of earnings on invested collateral and borrowing fees, net of any rebates to the borrower, compensation to the lending agent, and other administrative costs. In accordance with GAAP, investments made with cash collateral are reflected in the accompanying financial statements, but collateral received in the form of securities is not. At December 31, 2023, the value of loaned securities was \$227,000; the value of cash collateral and related investments was \$238,000.

**Other** Purchases and sales of portfolio securities other than in-kind transactions, if any, short-term and U.S. government securities aggregated \$56,299,000 and \$64,150,000, respectively, for the year ended December 31, 2023. Purchases and sales of U.S. government securities aggregated \$67,719,000 and \$63,905,000, respectively, for the year ended December 31, 2023.

#### **NOTE 5 - FEDERAL INCOME TAXES**

Generally, no provision for federal income taxes is required since the fund intends to continue to qualify as a regulated investment company under Subchapter M of the Internal Revenue Code and distribute to shareholders all of its taxable income and gains. Distributions determined in accordance with federal income tax regulations may differ in amount or character from net investment income and realized gains for financial reporting purposes.

The fund files U.S. federal, state, and local tax returns as required. The fund's tax returns are subject to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return but which can be extended to six years in certain circumstances. Tax returns for open years have incorporated no uncertain tax positions that require a provision for income taxes.

Capital accounts within the financial reporting records are adjusted for permanent book/tax differences to reflect tax character but are not adjusted for temporary differences. The permanent book/tax adjustments, if any, have no impact on results of operations or net assets.

The tax character of distributions paid for the periods presented was as follows:

(\$000s)		December 31, 2023	Dec	ember 31,
	•		Φ.	
Ordinary income (including short-term capital gains, if any)	\$	3,935	\$	2,932
Long-term capital gain	<u></u>	497		3,132
Total distributions	\$	4,432	\$	6,064
At December 31, 2023, the tax-basis cost of investments (including derivatives, depreciation were as follows:	if any) and gross unre	ealized appreciat	ion and	d
(\$000\$)				
Cost of investments			\$	148,261
Unrealized appreciation			\$	43,828
Unrealized depreciation				(7,783)
Net unrealized appreciation (depreciation)			\$	36,045
At December 31, 2023, the tax-basis components of accumulated net earnings	(loss) were as follows:			
(\$000s)				
Undistributed ordinary income			\$	185
Net unrealized appreciation (depreciation)				36,045
Loss carryforwards and deferrals				(144)

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement purposes versus for tax purposes; these differences will reverse in a subsequent reporting period. The temporary differences relate primarily to the deferral of losses from wash sales, the realization of gains/losses on passive foreign investment companies and certain open derivative contracts. The loss carryforwards and deferrals primarily relate to post-October loss deferrals and straddle deferrals. The fund has elected to defer certain losses to the first day of the following fiscal year for post-October capital loss deferrals. During the year ended December 31, 2023, the fund utilized \$1,111,000 of capital loss carryforwards.

36.086

\$

#### **NOTE 6 - FOREIGN TAXES**

Total distributable earnings (loss)

The fund is subject to foreign income taxes imposed by certain countries in which it invests. Additionally, capital gains realized upon disposition of securities issued in or by certain foreign countries are subject to capital gains tax imposed by those countries. All taxes are computed in accordance with the applicable foreign tax law, and, to the extent permitted, capital losses are used to offset capital gains. Taxes attributable to income are accrued by the fund as a reduction of income. Current and deferred tax expense attributable to capital gains is reflected as a component of realized or change in unrealized gain/loss on securities in the accompanying financial statements. To the extent that the fund has country specific capital loss carryforwards, such carryforwards are applied against net unrealized gains when determining the deferred tax liability. Any deferred tax liability incurred by the fund is included in either Other liabilities or Deferred tax liability on the accompanying Statement of Assets and Liabilities.

#### **NOTE 7 - RELATED PARTY TRANSACTIONS**

The fund is managed by T. Rowe Price Associates, Inc. (Price Associates), a wholly owned subsidiary of T. Rowe Price Group, Inc. (Price Group). Price Associates has entered into a sub-advisory agreement(s) with one or more of its wholly owned subsidiaries, to provide investment advisory services to the fund. The investment management and administrative agreement between the fund and Price Associates provides for an all-inclusive annual fee equal to 0.90% of the fund's average daily net assets. The fee is computed daily and paid monthly. The all-inclusive fee covers investment management services and ordinary, recurring operating expenses but does not cover interest expense; expenses related to borrowing, taxes, and brokerage; or nonrecurring, extraordinary expenses. Effective July 1, 2018, Price Associates has contractually agreed, at least through April 30, 2024 to waive a portion of its management fee in order to limit the fund's management fee to 0.85% of the fund's average daily net assets. Thereafter, this agreement automatically renews for one-year terms unless terminated or modified by the fund's Board. Fees waived and expenses paid under this agreement are not subject to reimbursement to Price Associates by the fund. The total management fees waived were \$84,000 for the year ended December 31, 2023.

In addition, the fund has entered into service agreements with Price Associates and a wholly owned subsidiary of Price Associates, each an affiliate of the fund. Price Associates provides certain accounting and administrative services to the funds. T. Rowe Price Services, Inc. provides shareholder and administrative services in its capacity as the fund's transfer and dividend-disbursing agent. Pursuant to the all-inclusive fee arrangement under the investment management and administrative agreement, expenses incurred by the funds pursuant to these service agreements are paid by Price Associates.

T. Rowe Price Investment Services, Inc. (Investment Services) serves as distributor to the fund. Pursuant to an underwriting agreement, no compensation for any distribution services provided is paid to Investment Services by the fund (except for 12b-1 fees under a Boardapproved Rule 12b-1 plan).

The fund may invest its cash reserves in certain open-end management investment companies managed by Price Associates and considered affiliates of the fund: the T. Rowe Price Government Reserve Fund or the T. Rowe Price Treasury Reserve Fund, organized as money market funds (together, the Price Reserve Funds). The Price Reserve Funds are offered as short-term investment options to mutual funds, trusts, and other accounts managed by Price Associates or its affiliates and are not available for direct purchase by members of the public. Cash collateral from securities lending, if any, is invested in the T. Rowe Price Government Reserve Fund. The Price Reserve Funds pay no investment management fees.

The fund may also invest in certain other T. Rowe Price funds (Price Funds) as a means of gaining efficient and cost-effective exposure to certain markets. The fund does not invest for the purpose of exercising management or control; however, investments by the fund may represent a significant portion of an underlying Price Fund's net assets. Each underlying Price Fund is an open-end management investment company managed by Price Associates and is considered an affiliate of the fund. To ensure that the fund does not incur duplicate management fees (paid by the underlying Price Fund(s) and the fund), Price Associates has agreed to permanently waive a portion of its management fee charged to the fund in an amount sufficient to fully offset that portion of management fees paid by each underlying Price Fund related to the fund's investment therein. Annual management fee rates and amounts waived related to investments in the underlying Price Fund(s) for the year ended December 31, 2023, are as follows:

(\$000s)	Effective	
	Management	Management
	Fee Rate	Fee Waived
T. Rowe Price Inflation Protected Bond Fund - I Class	0.17%	\$ -
T. Rowe Price Institutional Emerging Markets Bond Fund	0.70%	49
T. Rowe Price Institutional Emerging Markets Equity Fund	1.00%	78
T. Rowe Price Institutional Floating Rate Fund - Institutional Class	0.55%	2
T. Rowe Price Institutional High Yield Fund - Institutional Class	0.50%	48
T. Rowe Price International Bond Fund - I Class	0.49%	16
T. Rowe Price International Bond Fund (USD Hedged) - I Class	0.49%	15
T. Rowe Price Limited Duration Inflation Focused Bond Fund - I Class	0.25%	-
T. Rowe Price Real Assets Fund - I Class	0.64%	34
T. Rowe Price U.S. Large-Cap Core Fund - I Class	0.54%	2
Total Management Fee Waived	•	\$ 244

The fund may participate in securities purchase and sale transactions with other funds or accounts advised by Price Associates (cross trades), in accordance with procedures adopted by the fund's Board and Securities and Exchange Commission rules, which require, among other things, that such purchase and sale cross trades be effected at the independent current market price of the security. During the year ended December 31, 2023, the fund had no purchases or sales cross trades with other funds or accounts advised by Price Associates.

Price Associates has voluntarily agreed to reimburse the fund from its own resources on a monthly basis for the cost of investment research embedded in the cost of the fund's securities trades and for the cost of brokerage commissions embedded in the cost of the fund's foreign currency transactions. These agreements may be rescinded at any time. For the year ended December 31, 2023, these reimbursements amounted to \$3,000, which is included in Net realized gain (loss) on Securities in the Statement of Operations.

#### **NOTE 8 - OTHER MATTERS**

Unpredictable events such as environmental or natural disasters, war and conflict, terrorism, geopolitical events, and public health epidemics and similar public health threats may significantly affect the economy and the markets and issuers in which the fund invests. Certain events may cause instability across global markets, including reduced liquidity and disruptions in trading markets, while some events may affect certain geographic regions, countries, sectors, and industries more significantly than others, and exacerbate other pre-existing political, social, and economic risks.

The global outbreak of COVID-19 and the related governmental and public responses have led and may continue to lead to increased market volatility and the potential for illiquidity in certain classes of securities and sectors of the market either in specific countries or worldwide.

In February 2022, Russian forces entered Ukraine and commenced an armed conflict, leading to economic sanctions imposed on Russia that target certain of its citizens and issuers and sectors of the Russian economy, creating impacts on Russian-related stocks and debt and greater volatility in global markets.

In March 2023, the banking industry experienced heightened volatility, which sparked concerns of potential broader adverse market conditions. The extent of impact of these events on the US and global markets is highly uncertain.

These are recent examples of global events which may have a negative impact on the values of certain portfolio holdings or the fund's overall performance. Management is actively monitoring the risks and financial impacts arising from these events.

#### **NOTE 9 - SUBSEQUENT EVENT**

At a meeting held on October 23, 2023, the Board approved an amendment to the fund's investment management agreement to change the fund's all-inclusive fee structure to one where the management fee covers only investment management and other specified services, but operating expenses (including payments for administrative services) are borne by the fund, effective May 1, 2024.

In addition, effective May 1, 2024, the Board approved implementing an indefinite contractual total expense limitation at the level of the fund's current all-inclusive fee rate (including any management fee waivers), excluding interest, taxes, brokerage and other transaction costs, and nonrecurring and extraordinary expenses (expenses currently excluded from the fund's all-inclusive fee rate).

#### Report of Independent Registered Public Accounting Firm

To the Board of Directors of T. Rowe Price Equity Series, Inc. and Shareholders of T. Rowe Price Moderate Allocation Portfolio

## **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the portfolio of investments, of T. Rowe Price Moderate Allocation Portfolio (one of the portfolios constituting T. Rowe Price Equity Series, Inc., referred to hereafter as the "Fund") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Fund as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

## **Basis for Opinion**

These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on the Fund's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Fund in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodians, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/ PricewaterhouseCoopers LLP

Baltimore, Maryland February 12, 2024

We have served as the auditor of one or more investment companies in the T. Rowe Price group of investment companies since 1973.

## TAX INFORMATION (UNAUDITED) FOR THE TAX YEAR ENDED 12/31/23

We are providing this information as required by the Internal Revenue Code. The amounts shown may differ from those elsewhere in this report because of differences between tax and financial reporting requirements.

The fund's distributions to shareholders included \$497,000 from long-term capital gains, subject to a long-term capital gains tax rate of not greater than 20%.

For taxable non-corporate shareholders, \$1,444,000 of the fund's income represents qualified dividend income subject to a long-term capital gains tax rate of not greater than 20%.

For corporate shareholders, \$755,000 of the fund's income qualifies for the dividends-received deduction.

For shareholders subject to interest expense deduction limitation under Section 163(j), \$2,210,000 of the fund's income qualifies as a Section 163(j) interest dividend and can be treated as interest income for purposes of Section 163(j), subject to holding period requirements and other limitations.

For individuals and certain trusts and estates which are entitled to claim a deduction of up to 20% of their combined qualified real estate investment trust (REIT) dividends, \$33,000 of the fund's income qualifies as qualified real estate investment trust (REIT) dividends.

## INFORMATION ON PROXY VOTING POLICIES, PROCEDURES, AND RECORDS

A description of the policies and procedures used by T. Rowe Price funds to determine how to vote proxies relating to portfolio securities is available in each fund's Statement of Additional Information. You may request this document by calling 1-800-225-5132 or by accessing the SEC's website, sec.gov.

The description of our proxy voting policies and procedures is also available on our corporate website. To access it, please visit the following Web page:

https://www.troweprice.com/corporate/us/en/utility/policies.html

Scroll down to the section near the bottom of the page that says, "Proxy Voting Guidelines." Click on the links in the shaded box.

Each fund's most recent annual proxy voting record is available on our website and through the SEC's website. To access it through T. Rowe Price, visit the website location shown above, and scroll down to the section near the bottom of the page that says, "Proxy Voting Records." Click on the Proxy Voting Records link in the shaded box.

## **HOW TO OBTAIN QUARTERLY PORTFOLIO HOLDINGS**

The fund files a complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's reports on Form N-PORT are available electronically on the SEC's website (sec.gov). In addition, most T. Rowe Price funds disclose their first and third fiscal quarter-end holdings on **troweprice.com**.

## TAILORED SHAREHOLDER REPORTS FOR MUTUAL FUNDS AND EXCHANGE TRADED FUNDS

In October 2022, the Securities and Exchange Commission (SEC) adopted rule and form amendments requiring Mutual Funds and Exchange-Traded Funds to transmit concise and visually engaging streamlined annual and semiannual reports that highlight key information to shareholders. Other information, including financial statements, will no longer appear in the funds' shareholder reports but will be available online, delivered free of charge upon request, and filed on a semiannual basis on Form N-CSR. The rule and form amendments have a compliance date of July 24, 2024.

## LIQUIDITY RISK MANAGEMENT PROGRAM

In accordance with Rule 22e-4 (Liquidity Rule) under the Investment Company Act of 1940, as amended, the fund has established a liquidity risk management program (Liquidity Program) reasonably designed to assess and manage the fund's liquidity risk, which generally represents the risk that the fund would not be able to meet redemption requests without significant dilution of remaining investors' interests in the fund. The fund's Board of Directors (Board) has appointed the fund's investment adviser, T. Rowe Price Associates, Inc. (Adviser), as the administrator of the Liquidity Program. As administrator, the Adviser is responsible for overseeing the day-to-day operations of the Liquidity Program and, among other things, is responsible for assessing, managing, and reviewing with the Board at least annually the liquidity risk of each T. Rowe Price fund. The Adviser has delegated oversight of the Liquidity Program to a Liquidity Risk Committee (LRC), which is a crossfunctional committee composed of personnel from multiple departments within the Adviser.

The Liquidity Program's principal objectives include supporting the T. Rowe Price funds' compliance with limits on investments in illiquid assets and mitigating the risk that the fund will be unable to timely meet its redemption obligations. The Liquidity Program also includes a number of elements that support the management and assessment of liquidity risk, including an annual assessment of factors that influence the fund's liquidity and the periodic classification and reclassification of a fund's investments into categories that reflect the LRC's assessment of their relative liquidity under current market conditions. Under the Liquidity Program, every investment held by the fund is classified at least monthly into one of four liquidity categories based on estimations of the investment's ability to be sold during designated time frames in current market conditions without significantly changing the investment's market value.

As required by the Liquidity Rule, at a meeting held on July 24, 2023, the Board was presented with an annual assessment that was prepared by the LRC on behalf of the Adviser and addressed the operation of the Liquidity Program and assessed its adequacy and effectiveness of implementation, including any material changes to the Liquidity Program and the determination of each fund's Highly Liquid Investment Minimum (HLIM). The annual assessment included consideration of the following factors, as applicable: the fund's investment strategy and liquidity of portfolio investments during normal and reasonably foreseeable stressed conditions, including whether the investment strategy is appropriate for an open-end fund, the extent to which the strategy involves a relatively concentrated portfolio or large positions in particular issuers, and the use of borrowings for investment purposes and derivatives; short-term and long-term cash flow projections covering both normal and reasonably foreseeable stressed conditions; and holdings of cash and cash equivalents, as well as available borrowing arrangements.

For the fund and other T. Rowe Price funds, the annual assessment incorporated a report related to a fund's holdings, shareholder and portfolio concentration, any borrowings during the period, cash flow projections, and other relevant data for the period of April 1, 2022, through March 31, 2023. The report described the methodology for classifying a fund's investments (including any derivative transactions) into one of four liquidity categories, as well as the percentage of a fund's investments assigned to each category. It also explained the methodology for establishing a fund's HLIM and noted that the LRC reviews the HLIM assigned to each fund no less frequently than annually.

During the period covered by the annual assessment, the LRC has concluded, and reported to the Board, that the Liquidity Program continues to operate adequately and effectively and is reasonably designed to assess and manage the fund's liquidity risk.

## **ABOUT THE PORTFOLIO'S DIRECTORS AND OFFICERS**

Your fund is overseen by a Board of Directors (Board) that meets regularly to review a wide variety of matters affecting or potentially affecting the fund, including performance, investment programs, compliance matters, advisory fees and expenses, service providers, and business and regulatory affairs. The Board elects the fund's officers, who are listed in the final table. The directors who are also employees or officers of T. Rowe Price are considered to be "interested" directors as defined in Section 2(a)(19) of the 1940 Act because of their relationships with T. Rowe Price Associates, Inc. (T. Rowe Price), and its affiliates. The business address of each director and officer is 100 East Pratt Street, Baltimore, Maryland 21202. The Statement of Additional Information includes additional information about the fund directors and is available without charge by calling a T. Rowe Price representative at 1-800-638-5660.

## INDEPENDENT DIRECTORS(a)

Name (Year of Birth) Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
Teresa Bryce Bazemore (1959) 2018 [209]	President and Chief Executive Officer, Federal Home Loan Bank of San Francisco (2021 to present); Chief Executive Officer, Bazemore Consulting LLC (2018 to 2021); Director, Chimera Investment Corporation (2017 to 2021); Director, First Industrial Realty Trust (2020 to present); Director, Federal Home Loan Bank of Pittsburgh (2017 to 2019)
Melody Bianchetto (1966) 2023 [209]	Vice President for Finance, University of Virginia (2015 to 2023)
Bruce W. Duncan (1951) 2013 [209]	President, Chief Executive Officer, and Director, CyrusOne, Inc. (2020 to 2021); Chair of the Board (2016 to 2020) and President (2009 to 2016), First Industrial Realty Trust, owner and operator of industrial properties; Member, Investment Company Institute Board of Governors (2017 to 2019); Member, Independent Directors Council Governing Board (2017 to 2019); Senior Advisor, KKR (2018 to 2022); Director, Boston Properties (2016 to present); Director, Marriott International, Inc. (2016 to 2020)
Robert J. Gerrard, Jr. (1952) 2012 [209]	Chair of the Board, all funds (July 2018 to present)
Paul F. McBride (1956) 2013 [209]	Advisory Board Member, Vizzia Technologies (2015 to present); Board Member, Dunbar Armored (2012 to 2018)
Mark J. Parrell (1966) 2023 [209]	Board of Trustees Member and Chief Executive Officer (2019 to present), President (2018 to present), Executive Vice President and Chief Financial Officer (2007 to 2018), and Senior Vice President and Treasurer (2005 to 2007), EQR; Member, Nareit Dividends Through Diversity, Equity & Inclusion CEO Council and Chair, Nareit 2021 Audit and Investment Committee (2021); Advisory Board, Ross Business School at University of Michigan (2015 to 2016); Member, National Multifamily Housing Council and served as Chair of the Finance Committee (2015 to 2016); Member, Economic Club of Chicago; Director, Brookdale Senior Living, Inc. (2015 to 2017); Director, Aviv REIT, Inc. (2013 to 2015); Director, Real Estate Roundtable and the 2022 Executive Board Nareit; Board of Directors and Chair of the Finance Committee, Greater Chicago Food Depository
Kellye L. Walker (1966) 2021 [209]	Executive Vice President and Chief Legal Officer, Eastman Chemical Company (April 2020 to present); Executive Vice President and Chief Legal Officer, Huntington Ingalls Industries, Inc. (January 2015 to March 2020); Director, Lincoln Electric Company (October 2020 to present)

<sup>(</sup>a) All information about the independent directors was current as of December 31, 2022, unless otherwise indicated, except for the number of portfolios overseen, which is current as of the date of this report.

## INTERESTED DIRECTORS(a)

Name (Year of Birth) Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
David Oestreicher (1967) 2018 [209]	Director, Vice President, and Secretary, T. Rowe Price, T. Rowe Price Investment Services, Inc., T. Rowe Price Retirement Plan Services, Inc., and T. Rowe Price Services, Inc.; Director and Secretary, T. Rowe Price Investment Management, Inc. (Price Investment Management); Vice President and Secretary, T. Rowe Price International (Price International); Vice President, T. Rowe Price Hong Kong (Price Hong Kong), T. Rowe Price Japan (Price Japan), and T. Rowe Price Singapore (Price Singapore); General Counsel, Vice President, and Secretary, T. Rowe Price Group, Inc.; Chair of the Board, Chief Executive Officer, President, and Secretary, T. Rowe Price Trust Company; Principal Executive Officer and Executive Vice President, all funds

## INTERESTED DIRECTORS(a) (CONTINUED)

Name (Year of Birth)

Year Elected [Number of T. Rowe Price Portfolios Overseen]	Principal Occupation(s) and Directorships of Public Companies and Other Investment Companies During the Past Five Years
Eric L. Veiel, CFA (1972) 2022 [209]	Director and Vice President, T. Rowe Price; Vice President, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company; Vice President, Global Funds

<sup>(</sup>a) All information about the interested directors was current as of December 31, 2022, unless otherwise indicated, except for the number of portfolios overseen, which is current as of the date of this report.

## **OFFICERS**

Name (Year of Birth) Position Held With Equity Series	Principal Occupation(s)
Ziad Bakri, M.D., CFA (1980) Executive Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Brian W.H. Berghuis, CFA (1958) Executive Vice President	Vice President, Price Investment Management, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Armando (Dino) Capasso (1974) Chief Compliance Officer and Vice President	Chief Compliance Officer and Vice President, T. Rowe Price and Price Investment Management; Vice President, T. Rowe Price Group, Inc.; formerly, Chief Compliance Officer, PGIM Investments LLC and AST Investment Services, Inc. (ASTIS) (to 2022); Chief Compliance Officer, PGIM Retail Funds complex and Prudential Insurance Funds (to 2022); Vice President and Deputy Chief Compliance Officer, PGIM Investments LLC and ASTIS (to 2019)
Jean-Marc Corredor (1976) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, Price Investment Management, T. Rowe Price Services, Inc., and T. Rowe Price Trust Company
Alan S. Dupski, CPA (1982) Principal Financial Officer, Vice President, and Treasurer	Vice President, Price Investment Management, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Cheryl Emory (1963) Assistant Secretary	Assistant Vice President and Assistant Secretary, T. Rowe Price; Assistant Secretary, T. Rowe Price Group, Inc., Price Investment Management, Price International, Price Hong Kong, Price Singapore, T. Rowe Price Investment Services, Inc., T. Rowe Price Retirement Plan Services, Inc., and T. Rowe Price Trust Company
Paul D. Greene II (1978) Executive Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Cheryl Hampton, CPA (1969) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company; formerly, Tax Director, Invesco Ltd. (to 2021); Vice President, Oppenheimer Funds, Inc. (to 2019)
Stephon Jackson, CFA (1962) Co-president	Director and President, Price Investment Management; Vice President, T. Rowe Price Group, Inc.
Benjamin Kersse, CPA (1989) Vice President	Vice President, T. Rowe Price and T. Rowe Price Trust Company
Paul J. Krug, CPA (1964) Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
John D. Linehan, CFA (1965) Executive Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Robert P. McDavid (1972) Vice President	Vice President, T. Rowe Price, Price Investment Management, T. Rowe Price Investment Services, Inc., and T. Rowe Price Trust Company
Joshua Nelson (1977) Co-president	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, and T. Rowe Price Trust Company

Unless otherwise noted, officers have been employees of T. Rowe Price or Price International for at least 5 years.

## **OFFICERS (CONTINUED)**

Name (Year of Birth) Position Held With Equity Series	Principal Occupation(s)
Fran M. Pollack-Matz (1961) Vice President and Secretary	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., T. Rowe Price Investment Services, Inc., T. Rowe Price Services, Inc., and T. Rowe Price Trust Company
Richard Sennett, CPA (1970) Assistant Treasurer	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., and T. Rowe Price Trust Company
Charles M. Shriver, CFA (1967) Executive Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, and T. Rowe Price Trust Company
Neil Smith (1972) Executive Vice President	Vice President, Price Hong Kong, Price Japan, Price Singapore, T. Rowe Price Group, Inc., and Price International
Toby M. Thompson, CAIA, CFA (1971) Executive Vice President	Vice President, T. Rowe Price, T. Rowe Price Group, Inc., Price International, and T. Rowe Price Trust Company
John F. Wakeman (1962) Vice President	Vice President, Price Investment Management and T. Rowe Price Group, Inc.
Justin P. White (1981) Executive Vice President	Vice President, T. Rowe Price and T. Rowe Price Group, Inc.
Ellen York (1988) Vice President	Vice President, Price Investment Management and T. Rowe Price

Unless otherwise noted, officers have been employees of T. Rowe Price or Price International for at least 5 years.













# T.RowePrice

100 East Pratt Street Baltimore, MD 21202

Call 1-800-225-5132 to request a prospectus or summary prospectus; each includes investment objectives, risks, fees, expenses, and other information that you should read and consider carefully before investing.



Annual Report | December 31, 2023

# Vanguard Variable Insurance Funds

Balanced Portfolio

See the inside front cover for important information about your fund's annual and semiannual shareholder reports.

## Important information about shareholder reports

Beginning in July 2024, amendments adopted by the Securities and Exchange Commission will substantially impact the design, content, and transmission of shareholder reports. Shareholder reports will provide key fund information in a clear and concise format and must be mailed to each shareholder that has not elected to receive the reports electronically. Financial statements will no longer be included in the shareholder report but will be available at vanguard.com, can be mailed upon request, or can be accessed on the SEC's website at www.sec.gov.

You may elect to receive shareholder reports and other communications from the fund electronically by contacting your financial intermediary (such as a broker-dealer or bank) or, if you invest directly with the fund, by calling Vanguard at one of the phone numbers on the back cover of this report or by logging on to vanguard.com.

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### Your Portfolio's Performance at a Glance

- The financial markets delivered very robust returns for the 12 months ended December 31, 2023. The Balanced Portfolio returned 14.33%, lower than the 19.36% return of its composite benchmark index.
- With inflation continuing to ease, a number of major central banks slowed and
  eventually stopped hiking interest rates. Global growth, employment, and consumer
  spending showed resilience, but the prospect of rates remaining high for an extended
  period spurred volatility at times. Toward year-end, however, global stocks and bonds
  rallied as falling inflation and softening economic growth raised market expectations for
  rate cuts in 2024.
- The portfolio's stock holdings fell roughly 8 percentage points short of the 26.29% return of the Standard & Poor's 500 Index, the benchmark for the equity portion of the composite index. Information technology stocks, which had the largest weighting in the index and the highest returns among sectors, accounted for more than half of the index's return. The portfolio had a smaller weighting than the index in that sector and its holdings didn't soar as high, which accounted for much of the shortfall. On the other hand, the portfolio's stock picks in communication services greatly outpaced those in the index, but at less than 9% of the portfolio's weighting, they did not impact relative performance as much.
- The fixed income sleeve of the portfolio slightly outperformed the 7.23% return of its benchmark, the Bloomberg U.S. Credit A or Better Index. Strong security selection across industrials, financials, utilities, and noncorporate credit contributed to returns. Conversely, a shorter credit spread duration position relative to the benchmark offset some of the positive performance.
- Please note that the portfolio's returns may be different from those in variable annuity products that invest in the portfolio, which take insurance-related expenses into account.

#### Market Barometer

	Peri	Average Annual iods Ended Decen	
Russell 1000 Index (Large-caps) Russell 2000 Index (Small-caps) Russell 3000 Index (Broad U.S. market) FTSE All-World ex US Index (International)  Bonds Bloomberg U.S. Aggregate Float Adjusted Index (Broad taxable market) Bloomberg Municipal Bond Index (Broad tax-exempt market) FTSE Three-Month U.S. Treasury Bill Index  CPI	One Year	Three Years	Five Years
Stocks			
Russell 1000 Index (Large-caps)	26.53%	8.97%	15.52%
Russell 2000 Index (Small-caps)	16.93	2.22	9.97
Russell 3000 Index (Broad U.S. market)	25.96	8.54	15.16
FTSE All-World ex US Index (International)	15.82	1.98	7.52
Bonds			
Bloomberg U.S. Aggregate Float Adjusted Index (Broad taxable market)	5.60%	-3.33%	1.17%
Bloomberg Municipal Bond Index (Broad tax-exempt market)	6.40	-0.40	2.25
FTSE Three-Month U.S. Treasury Bill Index	5.26	2.24	1.91
CPI			
Consumer Price Index	3.35%	5.60%	4.07%

## Advisor's Report

The Balanced Portfolio returned 14.33% for the 12 months ended December 31, 2023, underperforming the 19.36% return of its blended benchmark (a mix of 65% large-capitalization stocks and 35% high-quality corporate bonds). The stock portion of the portfolio underperformed its benchmark, the Standard & Poor's 500 Index, while the bond portion outperformed its benchmark, the Bloomberg U.S. Credit A or Better Bond Index.

#### The investment environment

Stock markets in the United States and abroad posted positive results for the year. The S&P 500 Index returned 26.29%, the MSCI World Index returned 24.42%, and the MSCI EAFE Index returned 18.24%.

In the first quarter, economic growth, consumer spending, and labor markets were surprisingly resilient against a backdrop of seismic changes in the global economy, including sweeping sanctions against Russia, a reshaping of global energy flows, and a banking crisis that rekindled fears of a global recession. Major central banks continued to raise interest rates, but financial stresses and persistent inflation muddied the outlook for central bank policy.

In the second quarter, declining energy prices helped reduce headline inflation in most countries, which eased household and business strain. However, persistently high core consumer prices kept pressure on central banks to keep interest rates higher for longer. Unlike the previous two quarters, global equities fell in the third quarter as market sentiment was dented by concerns about the health of China's economy, increasing energy prices, and rising government bond yields. Global equities bounced back in the fourth guarter. The Federal Reserve surprised markets by signaling lower interest rates in 2024, which sparked a stock rally that rippled across the globe and increased speculation for sharp reductions in policy rates across developed markets in 2024.

Global fixed income sectors generated positive total returns despite elevated interest rate volatility over most of the

year. Within the U.S., higher-yielding sectors generally performed best, benefiting from their coupon advantage and spread tightening. Global sovereign yields ended mixed. Yields rose earlier in the period amid multiple rate hikes from the Fed and major central banks across Europe, while Asian banks were more dovish. Yields plunged by the end of the period in response to accommodative central bank policy expectations amid weaker economic data, including moderating inflation.

Despite concerns about tighter lending standards following banking sector turmoil earlier in the period, as spreads narrowed, credit sectors produced positive excess returns over duration-equivalent government bonds, particularly high-yield and emerging markets debt. Most securitized sectors' performance rebounded by the end of the period when sentiment improved and markets absorbed the FDIC asset sales of mortgage-backed securities (MBS). U.S. investment-grade corporate spreads compressed by 31 basis points, and U.S. high-yield corporate spreads tightened by 146 basis points, according to Bloomberg index data. (A basis point is one-hundredth of a percentage point.)

#### Our shortfalls

In the stock portfolio, security selection detracted from relative performance, specifically weak selection within information technology (IT), consumer discretionary, and industrials. Sector allocation also detracted; an underweight to IT and overweights to health care and energy detracted most. Top individual detractors included Charles Schwab, Pfizer, and Exelon. Not holding Nvidia and Tesla also detracted.

On the fixed income side, the primary detractor was an underweight to credit spread duration. Our modest out-of-benchmark exposure to securitized sectors also detracted.

#### Our successes

In the stock portfolio, strong security selection in communication services,

energy, and real estate contributed to relative performance. An overweight to consumer discretionary and underweights to real estate and materials also contributed. Strong individual contributors were positions in Meta Platforms and Microsoft. Underweight positions in Exxon Mobil and Johnson & Johnson, and contributed, as did not holding Johnson & Johnson.

The fixed income portfolio outperformed its benchmark. This was primarily driven by selection in investment-grade credit (particularly in industrials) and an underweight to and selection in noncorporate credit. Selection in asset-backed securities also contributed.

#### Portfolio positioning

The range of outcomes remains wide for the global economy and markets. We closely monitor the macroeconomic environment and continue to direct most of our research efforts to company-specific analysis, where we believe our most differentiated insights are likely to lie. Our focus remains on companies that can deliver resilient results across economic and market environments and stock prices that trade at moderate valuations.

During the year, we initiated new positions in Uber, Pernod Ricard, Merck, and 13 other businesses. Uber, a transportation network with ride-sharing and food delivery, is beginning to realize the benefits of scale and stabilizing competitive dynamics. Ultimately, this is a platform with a well-defined competitive advantage and a compelling economic model. We purchased Uber at a midteen multiple on future-free cash flow, a price that we do not believe fully reflects these attractive fundamental attributes. Pernod Ricard, a global leader in the wine and spirits industry, has shifted from a focus on reaccelerating topline growth to prioritizing improving profitability and cost efficiencies. Since taking over in 2015, CEO Alex Ricard has delivered a return on incremental invested capital of 25%, a significant improvement. Lastly, we believe that Merck, a U.S.-based pharmaceutical company, should have

stable cash flow and earnings over the long term that are driven by its cancer medication Keytruda. Management has indicated a willingness to return capital to shareholders and maintain a stable balance sheet.

Our largest sector overweights are in energy, health care, and utilities. Our largest sector underweights are in IT, real estate, and consumer staples.

In the fixed income portfolio, we maintain a modestly procyclical stance. Markets enjoyed a substantial boost in the latter part of 2023 amid receding inflation and dovish pivots from global central banks. That said, valuations for risk assets and lower yields have priced in much of this good news, and we remain cognizant of the balance of risks around the real economy, monetary policy, and geopolitics. The rapid tightening campaign is finally starting to show signs of slowing economic growth but has had a less pronounced impact on inflation than expected. Central banks remain in an uneasy position: Employment is resilient, inflation is still above target, and the path to achieving 2% target inflation is unclear. On balance, we are beginning to see early signs of weakening growth as consumer demand ebbs alongside the depletion of excess savings that would support a softer landing.

Current interest rate levels provide a cushion for fixed income performance even if inflation remains above target, though the inversion of the yield curve is a challenge for longer-duration assets. We believe that security selection can aid relative performance as growth continues to slow, thus driving increased dispersion across sectors and within investment-grade credit.

The portfolio maintains liquidity buffers in the form of an overweight to Treasuries, agency MBS, and cash equivalents in case the economic cycle or the equity portfolio take an unfavorable turn. Although major central banks have dramatically tightened and markets price in substantial cuts in 2024, we expect monetary policy to remain tight even as the cycle weakens.

We grew more positive on agency MBS as spreads widened through the summer of 2023. Agency MBS are an attractive addition to the corporate-focused portfolio given their superior liquidity profile, attractive valuation, and lack of credit risk. Although valuations have tightened, we remain positive on the sector, given the low supply and the expectation that demand will be higher when banks eventually reengage with the asset class.

Investment-grade credit fundamentals remain strong, but they have peaked and now show some deterioration both in leverage and interest coverage.

While financial conditions meaningfully tightened in 2022 and 2023, the lagged impacts are still emerging. Corporate fundamentals have been more resilient than expected following the Silicon Valley Bank failure, given the success of the Fed's Bank Term Funding Program, and consumers' substantial excess savings. The investment-grade cohort maintains high-quality balance sheets and has been relatively insulated from rising rates because of long-term debt maturity profiles. We have seen a substantial change in issuance activity from corporates because of higher rates; many issuers shy away from issuing longer-duration debt. This supply response, at a time where all-in yields are attractive to many long-duration buyers, has driven a substantial flattening in credit curves.

Our concerns about the economic cycle, coupled with relatively tight credit valuations, have pushed us to reduce our exposure to cyclical issuers with less resilient cash-flow-generation profiles and highly levered balance sheets. Although headline index spreads have tightened to around the 25th percentile, there is substantial variability underlying this cohort; the greatest value is in the intermediate-duration part of the market and within the financial sector.

Despite higher all-in yields, we are most cautious on the long-duration segment, considering weakening fundamentals and tight spreads that offer little cushion against widening. From a sector

perspective, we maintain an overweight in utilities and some parts of insurance where valuations are attractive. In noncorporate credit, we are positive on taxable municipals: We think the sector still provides diversification and comprises high-quality issuers that have benefited from fiscal support.

We are disciplined in our application of our investment process, which allows us to create a balanced portfolio that we believe should perform well in a variety of environments. We remain focused on long-term, low-turnover investing—features that we believe will serve the portfolio's shareholders well over time.

Portfolio Managers:

Daniel J. Pozen, Senior Managing Director and Equity Portfolio Manager

Loren L. Moran, CFA, Senior Managing Director and Fixed Income Portfolio Manager

Wellington Management Company LLP

January 11, 2024

## About Your Portfolio's Expenses

As a shareholder of the portfolio, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a portfolio's gross income, directly reduce the investment return of the portfolio.

A portfolio's expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your portfolio and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your portfolio's costs in two ways:

• Based on actual portfolio return. This section helps you to estimate the actual expenses that you paid over the period. The "Ending Account Value" shown is derived from the portfolio's actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the portfolio. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your portfolio under the heading "Expenses Paid During Period."

• Based on hypothetical 5% yearly return. This section is intended to help you compare your portfolio's costs with those of other mutual funds. It assumes that the portfolio had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the portfolio's actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your portfolio's costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the portfolio for buying and selling securities. The portfolio's expense ratio does not reflect additional fees and expenses associated with the annuity or life insurance program through which you invest.

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the portfolio's expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your portfolio's current prospectus.

#### Six Months Ended December 31, 2023

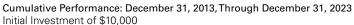
Balanced Portfolio	Beginning Account Value 6/30/2023	Ending Account Value 12/31/2023	Expenses Paid During Period
Based on Actual Portfolio Return	\$1,000.00	\$1,062.00	\$1.09
Based on Hypothetical 5% Yearly Return	1,000.00	1,024.15	1.07

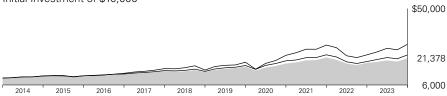
The calculations are based on expenses incurred in the most recent six-month period. The portfolio's annualized six-month expense ratio for that period is 0.21%. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (184/365).

### **Balanced Portfolio**

## **Performance Summary**

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the portfolio. (Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance.) Note, too, that both investment returns and principal value can fluctuate widely, so an investor's shares, when sold, could be worth more or less than their original cost. The returns shown do not reflect taxes that a shareholder would pay on portfolio distributions or on the sale of portfolio shares. Nor do the returns reflect fees and expenses associated with the annuity or life insurance program through which a shareholder invests. If these fees and expenses were included, the portfolio's returns would be lower.





Average Annual Total Returns Periods Ended December 31, 2023

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Balanced Portfolio	14.33%	9.59%	7.89%	\$21,378
······ Composite Stock/Bond Index	19.36	10.96	8.81	23,261
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

Composite Stock/Bond Index: Weighted 65% S&P 500 Index and 35% Bloomberg U.S. Credit A or Better Bond Index

# Portfolio Allocation As of December 31, 2023

Asset-Backed/Commercial Mortgage-Backed	
Securities	1.0%
Common Stocks	65.9
Corporate Bonds	23.1
Sovereign Bonds	0.2
Taxable Municipal Bonds	1.6
U.S. Government and Agency Obligations	8.2

The table reflects the portfolio's investments, except for short-term investments and derivatives. The agency and mortgage-backed securities may include issues from government-sponsored enterprises; such issues are generally not backed by the full faith and credit of the U.S. government.

## **Financial Statements**

## Schedule of Investments

As of December 31, 2023

The portfolio files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The portfolio's Form N-PORT reports are available on the SEC's website at www.sec.gov.

	Shares	Market Value• (\$000)	Share:	Market Value• (\$000)
Common Stocks (64.8%)			Novartis AG (Registered) 274,896	
Communication Services (5.7	7%)		Becton Dickinson & Co. 98,643	
* Alphabet Inc. Class A	899,838	125,698	Humana Inc. 43,164 Elevance Health Inc. 30,276	
* Meta Platforms Inc.			Elevance Health Inc. 30,276 Daiichi Sankyo Co. Ltd. 359,600	
Class A	173,505	61,414	Dalicii Salikyo Co. Etd. 359,000	
		187,112	Industrials (5.6%)	318,676
Consumer Discretionary (7.29			Honeywell	
* Amazon.com Inc.	566,532	86,079	International Inc. 159,252	33,397
Home Depot Inc. McDonald's Corp.	90,582	31,391	* Uber Technologies Inc. 432,459	
TJX Cos. Inc.	102,069 305,129	30,264 28,624	* Boeing Co. 85,927	7 22,398
Lennar Corp. Class A	90,244	13,450	Fortive Corp. 286,995	21,131
Starbucks Corp.	123,870	11,893	Johnson Controls	
DR Horton Inc.	70,841	10,766	International plc 276,107	
* Airbnb Inc. Class A	59,546	8,107	Parker-Hannifin Corp. 34,32°	
* Coupang Inc.	481,831	7,801	Illinois Tool Works Inc. 53,757	
Tractor Supply Co.	29,265	6,293	Northrop Grumman Corp. 25,239	
,	· -	234,668	Deere & Co. 29,05	
Consumer Staples (3.3%)		234,000	RTX Corp. 132,049	11,111
Procter & Gamble Co.	304,617	44,639		183,903
Pernod Ricard SA	134,676	23,800	Information Technology (15.7%)	
Sysco Corp.	277,665	20,306	Microsoft Corp. 453,410	
Unilever plc (XLON)	402,336	19,477	Apple Inc. 539,420	
0eve. p.o (/ 12011/	.02,000		Intel Corp. 732,587	
F(4.00/)		108,222	Texas Instruments Inc. 187,942	
Energy (4.2%) Shell plc	1 061 160	44.707	Broadcom Inc. 28,700	32,036
	1,361,162	44,787	* Advanced Micro	00 E71
ConocoPhillips EQT Corp.	281,521 334,160	32,676 12,919	Devices Inc. 193,823 KLA Corp. 44,116	
Diamondback Energy Inc.	81,240	12,599	* Salesforce Inc. 44,116	
Cenovus Energy Inc.	682,680	11,366	Accenture plc Class A 59,89°	
EOG Resources Inc.	89,675	10,846	Oracle Corp. 164,566	
Coterra Energy Inc.	242,649	6,192	Taiwan Semiconductor	17,000
Chesapeake Energy Corp.	55,987	4,308	Manufacturing Co. Ltd.	
	· -	135,693	ADR 148,300	15,423
Financials (8.6%)		133,033	CDW Corp. 19,133	4,349
Progressive Corp.	339,491	54,074		513,191
JPMorgan Chase & Co.	258,664	43,999	Materials (1.8%)	,
S&P Global Inc.	72,685	32,019	Glencore plc 4,967,133	3 29,858
Morgan Stanley	337,081	31,433	Barrick Gold Corp. (XTSE) 968,972	17,529
Intercontinental			Anglo American plc 490,610	12,278
Exchange Inc.	221,274	28,418		59,665
BlackRock Inc.	34,998	28,411	Real Estate (0.8%)	00,000
Global Payments Inc.	95,455	12,123	Welltower Inc. 173,592	15,653
American Express Co.	58,755	11,007	VICI Properties Inc. 317,986	
Visa Inc. Class A	41,126	10,707	•	25,790
Mastercard Inc. Class A	24,455	10,430	Utilities (2.1%)	23,730
Everest Group Ltd.	23,425	8,283	Duke Energy Corp. 325,647	7 31,601
Goldman Sachs Group Inc.	19,688	7,595	Exelon Corp. 757,643	
		278,499	American Electric Power	2,,100
Health Care (9.8%)			Co. Inc. 116,985	9,502
UnitedHealth Group Inc.	96,538	50,824		68,302
Merck & Co. Inc.	338,338	36,886		00,302
Danaher Corp.	158,306	36,623	Total Common Stocks	0 110 704
AstraZeneca plc ADR	511,653	34,460	(Cost \$1,606,127)	2,113,721
HCA Healthcare Inc.	124,237	33,628		
Pfizer Inc.	1,061,239	30,553		

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
U.S	. Government and Agency Obligat			(4555)	(4444)	2,3	UMBS Pool	2.500%	4/1/37 -	629	571
U.S	Government Securities (6.9%)		10/01/01			2,3	UMBS Pool	5.000%	4/1/38 8/1/43 -	18,438	18,303
'	United States Treasury Note/Bond United States Treasury Note/Bond	4.250% 4.625%	12/31/24 2/28/25	550 100	547 100	2,3	LIMPC De el		5/1/53		
	United States Treasury Note/Bond	1.750%	3/15/25	5,180	5,005	2,3	UMBS Pool	4.000%	3/1/46 - 8/1/51	1,166	1,133
	United States Treasury Note/Bond United States Treasury Note/Bond	3.875% 2.625%	3/31/25 4/15/25	7,800 9,520	7,732 9,285	2,3,4	UMBS Pool	4.500%	7/1/48 -	8,764	8,525
	United States Treasury Note/Bond	0.250%	5/31/25	4,850	4,567	2,3	UMBS Pool	5.500%	1/16/54 3/1/53 -	2,611	2,635
	United States Treasury Note/Bond	4.250%	5/31/25	500	498		C.N.25 . 66.	0.00070	9/1/53	_,	
	United States Treasury Note/Bond United States Treasury Note/Bond	4.625% 0.250%	6/30/25 7/31/25	4,500 5,655	4,511 5,295						36,647
	United States Treasury Note/Bond	4.750%	7/31/25	1,800	1,808	Nor 2,3	nconventional Mortgage-Backed Se			1 701	1 001
	United States Treasury Note/Bond	3.125%	8/15/25	13,020	12,760	2,3	Fannie Mae REMICS	3.500%	4/25/31 - 11/25/57	1,781	1,681
	United States Treasury Note/Bond	0.250%	8/31/25	4,800	4,482	2,3	Fannie Mae REMICS	3.000%	12/25/39 -	1,173	1,059
	United States Treasury Note/Bond United States Treasury Note/Bond	3.500% 0.250%	9/15/25 10/31/25	1,860 22,365	1,833 20,775	2,3	Fannia Maa DENMICC	1 5000/	9/25/57	67	60
	United States Treasury Note/Bond	0.375%	12/31/25	890	825	2,3	Fannie Mae REMICS Fannie Mae REMICS	1.500% 1.700%	8/25/41 6/25/43	67 26	62 25
	United States Treasury Note/Bond	3.875%	1/15/26	3,600	3,573	2,3	Fannie Mae REMICS	2.000%	6/25/44	5	5
	United States Treasury Note/Bond	4.000%	2/15/26	15,500	15,432	2,3	Fannie Mae REMICS	2.500%	8/25/46	450	364
	United States Treasury Note/Bond United States Treasury Note/Bond	0.750% 4.500%	3/31/26 7/15/26	210 70	195 71	2,3 2,3	Fannie Mae REMICS	4.000%	7/25/53	56 05	55 94
	United States Treasury Note/Bond	4.375%	8/15/26	7,000	7,050	2,0	Freddie Mac REMICS	4.000%	12/15/30 - 2/15/31	95	94
	United States Treasury Note/Bond	4.625%	9/15/26	2,600	2,637	2,3	Freddie Mac REMICS	3.500%	3/15/31 -	254	234
	United States Treasury Note/Bond	4.625%	11/15/26	7,876	8,003	2,3	For della NATA DENALCO	2.0000/	10/15/45	200	000
	United States Treasury Note/Bond United States Treasury Note/Bond	2.500% 2.750%	3/31/27 7/31/27	439 1,192	420 1,144	2,3	Freddie Mac REMICS	3.000%	6/15/44 - 7/15/45	299	262
	United States Treasury Note/Bond	3.125%	8/31/27	650	632				, .,	-	3,841
	United States Treasury Note/Bond	4.125%	9/30/27	10,037	10,106	Tot	al U.S. Government and Agency Ol	oligations	/Cost \$270	725\	263,871
	United States Treasury Note/Bond United States Treasury Note/Bond	4.125% 3.875%	10/31/27 11/30/27	10,200	10,268 2,136						203,071
	United States Treasury Note/Bond	3.875%	12/31/27	2,140 738	2,136 737	2,5	et-Backed/Commercial Mortgage-E				
	United States Treasury Note/Bond	4.000%	2/29/28	3,202	3,214	2,5	Aaset Trust Class A Series 2019-1 Affirm Asset Securitization Trust	3.844%	5/15/39	119	77
	United States Treasury Note/Bond	3.625%	3/31/28	249	246		Class A Series 2021-Z1	1.070%	8/15/25	44	43
	United States Treasury Note/Bond United States Treasury Note/Bond	3.625% 4.000%	5/31/28 6/30/28	336 650	333 653	2,5	Affirm Asset Securitization Trust	4.4700/	44/40/00	0.4	00
	United States Treasury Note/Bond	4.000 %	7/31/28	4,243	4,289	2,5	Class A Series 2021-Z2 Aligned Data Centers Issuer LLC	1.170%	11/16/26	94	92
	United States Treasury Note/Bond	4.375%	8/31/28	7,777	7,947		Class A2 Series 2021-1A	1.937%	8/15/46	1,775	1,594
	United States Treasury Note/Bond	4.625%	9/30/28	6,394	6,604	2	American Express Credit Account				
	United States Treasury Note/Bond United States Treasury Note/Bond	4.375% 3.875%	11/30/28 9/30/29	5,052 84	5,173 84		Master Trust Class A Series 2023-4	5.150%	9/15/30	1,310	1,348
	United States Treasury Note/Bond	4.000%	10/31/29	334	336	2,5,6	Angel Oak Mortgage Trust Class A1	0.10070	3, 10,00	.,0.0	1,010
	United States Treasury Note/Bond	3.500%	4/30/30	317	310		Series 2019-5	2.593%	10/25/49	43	41
	United States Treasury Note/Bond	3.750%	5/31/30	538	534	2,5,0	Angel Oak Mortgage Trust Class A1 Series 2019-6	2.620%	11/25/59	96	93
	United States Treasury Note/Bond United States Treasury Note/Bond	4.000% 4.875%	7/31/30 10/31/30	642 122	646 129	2,5,6	Angel Oak Mortgage Trust Class A1				
	United States Treasury Note/Bond	4.375%	11/30/30	480	494	256	Series 2021-6	1.458%	9/25/66	652	524
	United States Treasury Note/Bond	2.000%	11/15/41	13,748	9,978	2,3,0	BX Commercial Mortgage Trust Class A Series 2021-VOLT,				
	United States Treasury Note/Bond	2.375%	2/15/42	865	666		TSFR1M + 0.814%	6.176%	9/15/36	753	734
	United States Treasury Note/Bond United States Treasury Note/Bond	3.375% 4.000%	8/15/42 11/15/42	15,414 3,193	13,790 3,113	2,5,6	BXTrust Class A Series 2021-ARIA,	6.0760/	10/15/06	405	416
	United States Treasury Note/Bond	3.875%	2/15/43	1,302	1,246	2,5	TSFR1M + 1.014%  Castlelake Aircraft Structured Trust	6.376%	10/15/36	425	416
	United States Treasury Note/Bond	3.875%	5/15/43	5,551	5,311		Class A Series 2019-1A	3.967%	4/15/39	514	448
	United States Treasury Note/Bond	4.375%	8/15/43	2,795	2,863	2,5	CF Hippolyta Issuer LLC Class A1	1.0000/	7/15/00	154	140
	United States Treasury Note/Bond United States Treasury Note/Bond	4.750% 4.000%	11/15/43 11/15/52	2,000 110	2,152 109	2,5	Series 2020-1 CF Hippolyta Issuer LLC Class A1	1.690%	7/15/60	154	142
	United States Treasury Note/Bond	3.625%	2/15/53	577	535		Series 2020-1A	5.970%	8/15/62	109	107
	United States Treasury Note/Bond	3.625%	5/15/53	5,270	4,894	2,5	or improfyta LLO olaborti odrioo	1 5200/	0/15/61	1 154	1 004
	United States Treasury Note/Bond	4.125%	8/15/53	3,202	3,251	2,5	2021-A1 DB Master Finance LLC Class A2II	1.530%	3/15/61	1,154	1,034
	United States Treasury Note/Bond	4.750%	11/15/53	1,825 _	2,056		Series 2019-1A	4.021%	5/20/49	388	379
Cor	nventional Mortgage-Backed Secur	rities (11%	6)		223,383	2,5	Domino's Pizza Master Issuer LLC	2 6620/	4 /2 E /E 1	262	222
2,3	Fannie Mae Pool	1.770%	1/1/36	530	416	2,5	Class A2I Series 2021-1A Domino's Pizza Master Issuer LLC	2.662%	4/25/51	263	232
2,3	Freddie Mac Gold Pool	4.000%	9/1/41	1	1		Class A2II Series 2021-1A	3.151%	4/25/51	726	619
2	Ginnie Mae I Pool	8.000%	9/15/30	20	20	2,5	Enterprise Fleet Financing LLC	£ 4000/	2/20/20	1 415	1 446
-	Ginnie Mae I Pool	7.000%	11/15/31 - 11/15/33	22	22	2,3,6	Class A2 Series 2023-2 Fannie Mae Connecticut Avenue	6.400%	3/20/30	1,415	1,446
2,3	UMBS Pool	2.000%	4/1/36 - 3/1/37	5,569	5,021		Securities Class 2M2 Series 2016-C03, SOFR30A + 6.014%	11.352%	10/25/28	61	65

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
2,5	FirstKey Homes Trust Class A					Со	rporate Bonds (22.7%)				
2,3	Series 2021-SFR1 Freddie Mac Multifamily Structured	1.538%	8/17/38	1,858	1,676	Co	mmunications (1.3%)				
	Pass Through Certificates						America Movil SAB de CV	3.625%	4/22/29	780	737
226	Class A2 Series K-1521	2.184%	8/25/36	495	380		America Movil SAB de CV AT&T Inc.	6.125% 2.750%	3/30/40 6/1/31	390 1,305	424 1,143
2,3,0	Freddie Mac Multifamily Structured Pass Through Certificates						AT&T Inc.	4.300%	12/15/42	205	179
	Class A2 Series K-156	4.430%	2/25/33	885	884		AT&T Inc.	3.650%	6/1/51	248	187
2,3	Freddie Mac Multifamily Structured						Charter Communications				
	Pass Through Certificates Class A2 Series K-511	4.860%	10/25/28	1,220	1,246		Operating LLC / Charter Communications Operating				
2,3	Freddie Mac Multifamily Structured	4.000 /0	10/23/20	1,220	1,240		Capital	3.500%	3/1/42	889	621
	Pass Through Certificates	0.0500/	1/05/01		000		Charter Communications				
2,3	Class A3 Series K-1512 Freddie Mac Multifamily Structured	3.059%	4/25/34	300	260		Operating LLC / Charter Communications Operating				
	Pass Through Certificates						Capital	6.484%	10/23/45	723	710
22	Class A3 Series K-1513	2.797%	8/25/34	300	252		Charter Communications				
2,3	Freddie Mac Seasoned Credit Risk Transfer Trust Class MA Series						Operating LLC / Charter Communications Operating				
	2019-3	3.500%	10/25/58	630	596		Capital	5.375%	5/1/47	247	211
2	Ginnie Mae REMICS Class KA	0.5000/	10/00/10		4.040		Comcast Corp.	3.400%	4/1/30	145	136
2	Series 2021-215 GM Financial Consumer	2.500%	10/20/49	2,099	1,849		Comcast Corp. Comcast Corp.	4.200% 5.650%	8/15/34 6/15/35	730 110	698 118
	Automobile Receivables Trust						Comcast Corp.	4.400%	8/15/35	877	845
	Class A3 Series 2023-2	4.470%	2/16/28	290	288		Comcast Corp.	6.500%	11/15/35	24	27
2,5	GM Financial Revolving						Comcast Corp.	3.969%	11/1/47	252	212
	Receivables Trust Class A Series 2023-2	5.770%	8/11/36	635	662		Comcast Corp.	4.000%	3/1/48	345	291
2,5	Home Partners of America Trust	3.77070	0/11/00	000	002		Comcast Corp.	3.999%	11/1/49	602	504
	Class A Series 2021-2	1.901 %	12/17/26	959	865		Comcast Corp. Comcast Corp.	2.887% 2.450%	11/1/51 8/15/52	1,520 1,025	1,029 639
2,5	Horizon Aircraft Finance II Ltd.	0.7010/	7/15/00	000	204		Comcast Corp.	4.049%	11/1/52	2,279	1,924
2,5	Class A Series 2019-1 Horizon Aircraft Finance III Ltd.	3.721%	7/15/39	230	204		Comcast Corp.	5.350%	5/15/53	734	761
	Class A Series 2019-2	3.425%	11/15/39	278	220		Comcast Corp.	2.937%	11/1/56	5,619	3,704
2,5,6	<sup>3</sup> Life Mortgage Trust Class A Series						Comcast Corp.	2.650%	8/15/62	615	379
2,5	2021-BMR, TSFR1M + 0.814%	6.176%	3/15/38	290	284	5	Comcast Corp. Cox Communications Inc.	2.987% 3.150%	11/1/63 8/15/24	2,193 63	1,417 62
2,0	MACH 1 Cayman Ltd. Class A Series 2019-1	3.474%	10/15/39	220	192	5	Cox Communications Inc.	4.800%	2/1/35	1,540	1,447
2,5	MAPS Ltd. Class A Series 2019-1A	4.458%	3/15/44	86	77		Discovery Communications LLC	4.125%	5/15/29	125	119
2,5	New Economy Assets Phase 1						Discovery Communications LLC	3.625%	5/15/30	505	458
	Sponsor LLC Class A1 Series 2021-1	1.0100/	10/20/61	2.010	2 227		Discovery Communications LLC	4.000%	9/15/55	1,147	816
2,5	New Economy Assets Phase 1	1.910%	10/20/61	3,810	3,327		Meta Platforms Inc. Meta Platforms Inc.	4.950% 5.600%	5/15/33 5/15/53	1,534 935	1,583 1,015
	Sponsor LLC Class B1 Series						Meta Platforms Inc.	5.750%	5/15/63	480	526
0.5	2021-1	2.410%	10/20/61	300	242		NBCUniversal Media LLC	4.450%	1/15/43	189	173
2,5	OneMain Direct Auto Receivables Trust Class A Series 2021-1A	0.870%	7/14/28	764	732	5	NBN Co. Ltd.	1.625%	1/8/27	760	694
2,5	Retained Vantage Data Centers	0.07070	7/14/20	704	752	5 5	NBN Co. Ltd.	2.625%	5/5/31	1,105	950
	Issuer LLC Class A2A Series					5	NBN Co. Ltd. NTT Finance Corp.	2.500% 1.162%	1/8/32	2,179	1,830 960
256	2023-1A	5.000%	9/15/48	1,752	1,636	5	NTT Finance Corp.	2.065%	4/3/26 4/3/31	1,040 285	238
2,5,0	S SFAVE Commercial Mortgage Securities Trust Class A2B Series					5	Ooredoo International Finance Ltd.	2.625%	4/8/31	725	631
	2015-5AVE	4.144%	1/5/43	700	500		Orange SA	9.000%	3/1/31	530	655
2,5	SoFi Professional Loan Program	1.1400/	0/15/45	000	004	2,5	Sprint Spectrum Co. LLC / Sprint Spectrum Co. II LLC / Sprint				
2,5	Trust Class AFX Series 2021-B START Ireland Class A Series	1.140%	2/15/47	396	334		Spectrum Co. III LLC	4.738%	9/20/29	406	402
	2019-1	4.089%	3/15/44	255	231		Telefonica Emisiones SA	5.213%	3/8/47	490	456
2,5	Taco Bell Funding LLC Class A2I						Telefonica Emisiones SA	5.520%	3/1/49	710	687
2,5	Series 2021-1A	1.946%	8/25/51	560	504		T-Mobile USA Inc.	2.050%	2/15/28	900	812
2,5	Taco Bell Funding LLC Class A2II Series 2021-1A	2.294%	8/25/51	1,032	880		T-Mobile USA Inc. T-Mobile USA Inc.	3.875% 2.550%	4/15/30 2/15/31	1,384 575	1,314 495
2,5	Vantage Data Centers Issuer LLC	2.20470	0/20/01	1,002	000		T-Mobile USA Inc.	2.250%	11/15/31	150	125
	Class A2 Series 2019-1A	3.188%	7/15/44	311	305		T-Mobile USA Inc.	4.375%	4/15/40	485	439
2,5	Vantage Data Centers Issuer LLC	16450/	0/15/45	OFF	701		T-Mobile USA Inc.	3.000%	2/15/41	151	113
2,5	Class A2 Series 2020-1A Vantage Data Centers Issuer LLC	1.645%	9/15/45	855	791		T-Mobile USA Inc.	4.500%	4/15/50	242	214
	Class A2 Series 2021-1A	2.165%	10/15/46	1,405	1,269		TWDC Enterprises 18 Corp. Verizon Communications Inc.	4.375% 4.329%	8/16/41	133	122 415
2,5	Wheels Fleet Lease Funding 1 LLC						Verizon Communications Inc. Verizon Communications Inc.	4.329% 2.355%	9/21/28 3/15/32	419 1,081	900
2,5	Class A Series 2023-1A	5.800%	4/18/38	835	836		Verizon Communications Inc.	4.812%	3/15/39	1,280	1,238
2,0	Wheels Fleet Lease Funding 1 LLC Class A Series 2023-2A	6.460%	8/18/38	770	779		Verizon Communications Inc.	2.875%	11/20/50	135	92
Tot	al Asset-Backed/Commercial Mortg						Verizon Communications Inc.	2.987%	10/30/56	200	133
	ai Asset-Backed/Commerciai Mortg st \$33,974)	aye-Dack	eu Jecuriili	53	31,735		Verizon Communications Inc.	3.000% 2.000%	11/20/60	139	91 2,310
-							Walt Disney Co.	2.00070	9/1/29	2,600	2,310

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
	Walt Disney Co.	3.500%	5/13/40	1,490	1,257	Consumer Staples (1.0%)				
	Walt Disney Co.	4.750%	9/15/44	26	25	Anheuser-Busch Cos. LLC /				
	Walt Disney Co.	2.750%	9/1/49	560	385	Anheuser-Busch InBev	4.7000/	0/4/00	4 000	4 007
	Warnermedia Holdings Inc.	3.755%	3/15/27	302	290	Worldwide Inc.	4.700%	2/1/36	1,290	1,287
	Warnermedia Holdings Inc.	4.054%	3/15/29	150	142	Anheuser-Busch Cos. LLC / Anheuser-Busch InBev				
	Warnermedia Holdings Inc.	5.141%	3/15/52	291 _	250	Worldwide Inc.	4.900%	2/1/46	1,393	1,374
					41,760	Anheuser-Busch InBev			,	, -
Co	nsumer Discretionary (0.8%)					Worldwide Inc.	4.375%	4/15/38	543	516
	Amazon.com Inc.	3.600%	4/13/32	2,300	2,189	Anheuser-Busch InBev				
	Amazon.com Inc.	4.800%	12/5/34	995	1,030	Worldwide Inc.	4.950%	1/15/42	1,807	1,811
	Amazon.com Inc.	4.950%	12/5/44	580	599	Anheuser-Busch InBev Worldwide Inc.	4.750%	4/15/58	924	880
	Amazon.com Inc.	3.950%	4/13/52	480	421	Anheuser-Busch InBev	4.750 /6	4/10/00	324	000
	Amazon.com Inc. American Honda Finance Corp.	4.250% 2.000%	8/22/57	1,223 825	1,128 748	Worldwide Inc.	5.800%	1/23/59	317	356
5	BMW US Capital LLC	1.250%	3/24/28 8/12/26	825 840	748 770	Archer-Daniels-Midland Co.	4.500%	3/15/49	970	908
	Brown University	2.924%	9/1/50	155	113	BAT Capital Corp.	6.343%	8/2/30	305	320
2	Duke University	2.832%	10/1/55	775	532	BAT Capital Corp.	7.079%	8/2/43	340	362
5	ERAC USA Finance LLC	4.900%	5/1/33	985	984	<sup>5</sup> Cargill Inc.	6.875%	5/1/28	645	685
5	ERAC USA Finance LLC	7.000%	10/15/37	1,150	1,341	<sup>5</sup> Cargill Inc.	4.760%	11/23/45	635	608
5	ERAC USA Finance LLC	5.625%	3/15/42	340	353	5 CK Hutchison International 20 Ltd.	3.375%	5/8/50	560	428
5	ERAC USA Finance LLC	4.500%	2/15/45	1,669	1,515	5 Coca-Cola Europacific Partners plc	0.800%	5/3/24	885	869
5	ERAC USA Finance LLC	5.400%	5/1/53	725	762	Colgate Palmolive Co.	7.600%	5/19/25	480	500
	General Motors Financial Co. Inc.	3.950%	4/13/24	1,570	1,560	Conagra Brands Inc.	5.300%	11/1/38	150	147
	Georgetown University	4.315%	4/1/49	150	133	<sup>5</sup> Danone SA	2.947%	11/2/26	735	702
	Georgetown University	2.943%	4/1/50	295	205	Diageo Capital plc	2.375%	10/24/29	2,108	1,900
	Georgetown University	5.115%	4/1/53	410	425	Diageo Finance plc	5.625%	10/5/33	1,020	1,101
	Home Depot Inc.	3.900%	12/6/28	290	286	Hormel Foods Corp.	1.700%	6/3/28	135	121
	Home Depot Inc.	3.250%	4/15/32	370	342	Kenvue Inc.	5.000%	3/22/30	1,025	1,060
	Home Depot Inc.	4.500%	9/15/32	575	586	Kenvue Inc.	5.100%	3/22/43	460	478
	Home Depot Inc.	3.300%	4/15/40	825	684	Kenvue Inc.	5.050%	3/22/53	500	517
	Home Depot Inc.	4.400%	3/15/45	780	725	Molson Coors Beverage Co.	3.000%	7/15/26	1,800	1,724
	Home Depot Inc.	4.250%	4/1/46	1,332	1,206	PepsiCo Inc.	2.375%	10/6/26	1,795	1,706
	Home Depot Inc.	4.500%	12/6/48	345	326	Philip Morris International Inc.	3.375%	8/11/25	424	414
	Home Depot Inc.	3.125%	12/15/49	75	56	Philip Morris International Inc.	5.125%	11/17/27	840	855
	Home Depot Inc.	2.375%	3/15/51	70	44	Philip Morris International Inc.	5.625% 5.125%	11/17/29 2/15/30	1,160	1,217 2,789
	Home Depot Inc.	2.750%	9/15/51	575	394	Philip Morris International Inc. Philip Morris International Inc.	5.750%	11/17/32	2,740 1,470	1,543
	Home Depot Inc.	3.625%	4/15/52	655	532	Philip Morris International Inc.	5.750 %	2/15/33	3,436	3,526
5	Home Depot Inc.	4.950%	9/15/52	1,215	1,232	Philip Morris International Inc.	4.875%	11/15/43	145	137
5	Hyundai Capital America	0.875%	6/14/24	1,875	1,834	<ul> <li>Sigma Alimentos SA de CV</li> </ul>	4.125%	5/2/26	510	496
2	Hyundai Capital America Johns Hopkins University	1.650% 4.083%	9/17/26	1,060 200	964 177	orgina / iiiniontos cir tas cir	2070	0,2,20	-	
2	Johns Hopkins University	2.813%	7/1/53 1/1/60	180	120	F (4.20/)				31,337
	Leland Stanford Junior University	2.413%	6/1/50	73	49	Energy (1.3%)	6.000%	6/10/00	E20	E 4.1
	Lowe's Cos. Inc.	3.100%	5/3/27	767	735	Aker BP ASA BP Capital Markets America Inc.	1.749%	6/13/33 8/10/30	520 345	541 292
	Lowe's Cos. Inc.	6.500%	3/15/29	334	362	BP Capital Markets America Inc.	2.721%	1/12/32	3,210	2,800
	Lowe's Cos. Inc.	3.750%	4/1/32	57	53	BP Capital Markets America Inc.	4.812%	2/13/33	1,180	1,191
	Lowe's Cos. Inc.	5.800%	9/15/62	247	261	BP Capital Markets America Inc.	4.893%	9/11/33	1,100	1,262
	Massachusetts Institute of					BP Capital Markets America Inc.	2.772%	11/10/50	470	315
	Technology	2.989%	7/1/50	26	19	BP Capital Markets America Inc.	2.939%	6/4/51	925	641
	Massachusetts Institute of					BP Capital Markets America Inc.	3.001%	3/17/52	1,306	918
	Technology	2.294%	7/1/51	63	40	BP Capital Markets America Inc.	3.379%	2/8/61	370	268
	Massachusetts Institute of	0.0070/	4/4/50	40		5 Cheniere Energy Partners LP	5.950%	6/30/33	685	703
	Technology	3.067%	4/1/52	10	8	5 Columbia Pipelines Operating Co.				
2	McDonald's Corp.	3.625%	9/1/49	342	275	LLC	5.927%	8/15/30	355	367
2	Northeastern University	2.894%	10/1/50	225	158	Columbia Pipelines Operating Co.				
-	Northwestern University	2.640%	12/1/50	25	17	LLC	6.497%	8/15/43	1,202	1,290
	President and Fellows of Harvard College	2.517%	10/15/50	151	102	Columbia Pipelines Operating Co. LLC	6.544%	11/15/53	247	271
	President and Fellows of Harvard	0.7450/	11 /1 [ / [ 0	4.5	10	Columbia Pipelines Operating Co.				
	College	3.745%	11/15/52	15	13	LLC	6.714%	8/15/63	247	273
	Thomas Jefferson University	3.847%	11/1/57	690	512	Eastern Gas Transmission &	0.0000/	44/45/00		
	Trustees of Princeton University	2.516%	7/1/50	61	42	Storage Inc.	3.000%	11/15/29	585	525
	Trustees of Princeton University	4.201%	3/1/52	64	60	Eastern Gas Transmission &	4 0000/	11/1/40	105	110
	Trustees of the University of Pennsylvania	2.396%	10/1/50	193	125	Storage Inc.	4.800%	11/1/43	125	113
2	University of Chicago	2.761%	4/1/45	165	128	Eastern Gas Transmission & Storage Inc.	4.600%	12/15/44	1,603	1,368
	University of Southern California	4.976%	10/1/53	685	706	<ul> <li>5 EIG Pearl Holdings Sarl</li> </ul>	3.545%	8/31/36	631	549
	Yale University	2.402%	4/15/50	41	27	<ul> <li>EIG Pearl Holdings Sarl</li> </ul>	4.387%	11/30/46	470	376
			, ,	–		Enbridge Inc.	6.700%	11/15/53	708	825
					28,008	•				

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
	Energy Transfer LP	5.250%	4/15/29	1,375	1,386		Bank of America Corp.	3.194%	7/23/30	1,055	957
	Energy Transfer LP	6.550%	12/1/33	495	538		Bank of America Corp.	2.496%	2/13/31	1,495	1,285
	Energy Transfer LP	5.350%	5/15/45	90	84		Bank of America Corp.	2.572%	10/20/32	490	406
	Energy Transfer LP	5.300%	4/15/47	155	143		Bank of America Corp.	4.571%	4/27/33	4,178	3,985
	Energy Transfer LP	5.400%	10/1/47	247	230		Bank of America Corp.	5.872%	9/15/34	1,540	1,614
	Enterprise Products Operating LLC	5.100%	2/15/45	280	276		Bank of America Corp.	3.846%	3/8/37	1,323	1,162
	Enterprise Products Operating LLC Enterprise Products Operating LLC	4.250% 3.700%	2/15/48 1/31/51	730 170	642 136		Bank of America Corp. Bank of America Corp.	5.875% 3.311%	2/7/42 4/22/42	260 870	281 679
	Enterprise Products Operating LLC		2/15/53	750	557		Bank of America Corp.	5.000%	1/21/44	1,000	985
	Equinor ASA	2.875%	4/6/25	140	137		Bank of America Corp.	4.330%	3/15/50	1,900	1,667
	Equinor ASA	3.125%	4/6/30	2,350	2,210		Bank of America Corp.	2.972%	7/21/52	1,225	864
	Equinor ASA	2.375%	5/22/30	335	299		Bank of America NA	5.526%	8/18/26	2,075	2,113
	Exxon Mobil Corp.	3.043%	3/1/26	225	218		Bank of New York Mellon Corp.	5.834%	10/25/33	404	428
	Exxon Mobil Corp.	2.275%	8/16/26	1,070	1,019		Bank of New York Mellon Corp.	4.706%	2/1/34	450	440
	Exxon Mobil Corp.	2.440%	8/16/29	511	465		Bank of New York Mellon Corp.	4.967%	4/26/34	1,130	1,126
	Exxon Mobil Corp.	2.610%	10/15/30	1,055	942		Bank of Nova Scotia	2.700%	8/3/26	1,825	1,729
_	Exxon Mobil Corp.	4.114%	3/1/46	320	285		Bank of Nova Scotia	5.350%	12/7/26	1,740	1,771
5 5	Galaxy Pipeline Assets Bidco Ltd.	2.160%	3/31/34	1,232	1,071	5	Bank of Nova Scotia	1.950%	2/2/27	360	332
2,5	Galaxy Pipeline Assets Bidco Ltd.	2.940%	9/30/40	1,050	866	5	Banque Federative du Credit Mutuel SA	1.604%	10/4/26	1,000	913
2,5	Greensaif Pipelines Bidco Sarl	6.129%	2/23/38	234	245 870		Barclays plc	3.932%	5/7/25	1,565	1,554
	Greensaif Pipelines Bidco Sarl Occidental Petroleum Corp.	6.510% 6.450%	2/23/42 9/15/36	825 247	262		Barclays pic	2.852%	5/7/26	220	212
	Occidental Petroleum Corp.	6.200%	3/15/40	87	90		Barclays plc	2.279%	11/24/27	400	367
	Occidental Petroleum Corp.	6.600%	3/15/46	750	811		Barclays plc	2.667%	3/10/32	1,070	883
	ONEOK Inc.	5.650%	11/1/28	325	336		Barclays plc	3.330%	11/24/42	465	345
5	QatarEnergy	2.250%	7/12/31	925	787		Berkshire Hathaway Finance Corp.	2.875%	3/15/32	150	135
5	QatarEnergy	3.125%	7/12/41	675	517		Berkshire Hathaway Inc.	3.125%	3/15/26	715	695
5	Saudi Arabian Oil Co.	3.500%	4/16/29	630	597		BlackRock Inc.	2.100%	2/25/32	605	506
5	Schlumberger Holdings Corp.	3.900%	5/17/28	807	784	-	BlackRock Inc.	4.750%	5/25/33	2,125	2,147
	Shell International Finance BV	4.125%	5/11/35	1,130	1,080	5	Blackstone Holdings Finance Co.	2 5500/	2/20/22	COE	404
	Shell International Finance BV	5.500%	3/25/40	345	368	5	LLC BNP Paribas SA	2.550% 2.819%	3/30/32 11/19/25	605 1,335	494 1,301
	Shell International Finance BV	4.375%	5/11/45	2,500	2,294	5	BNP Paribas SA	1.323%	1/13/27	585	540
	Shell International Finance BV Suncor Energy Inc.	3.000% 5.950%	11/26/51 12/1/34	2,255 500	1,614 524	5	BNP Paribas SA	3.500%	11/16/27	2,050	1,936
	Targa Resources Corp.	6.150%	3/1/29	1,815	1,900	5	BNP Paribas SA	2.591%	1/20/28	885	819
	TransCanada PipeLines Ltd.	4.875%	1/15/26	1,255	1,252	5	BNP Paribas SA	5.335%	6/12/29	1,095	1,111
	TransCanada PipeLines Ltd.	4.100%	4/15/30	415	395	5	BNP Paribas SA	2.159%	9/15/29	1,743	1,516
	·			_	41,118	5	BNP Paribas SA	5.894%	12/5/34	1,635	1,710
Fina	ancials (10.1%)				41,110	5	BPCE SA	4.000%	4/15/24	775	771
	AerCap Ireland Capital DAC /					5	BPCE SA	5.150%	7/21/24	1,260	1,250
	AerCap Global Aviation Trust	3.000%	10/29/28	480	438	5	BPCE SA BPCE SA	5.029% 3.500%	1/15/25 10/23/27	2,220 1,780	2,204 1,668
	AerCap Ireland Capital DAC /					5	BPCE SA	2.700%	10/23/27	1,760	1,008
5	AerCap Global Aviation Trust	3.400%	10/29/33	325	279	5	BPCE SA	6.714%	10/19/29	1,000	1,053
5	All Group Ltd.	3.375%	4/7/30	370	341	5	Brighthouse Financial Global	0.7 1 1 70	10,10,20	1,000	1,000
	Allstate Corp. Allstate Corp.	5.250% 5.550%	3/30/33 5/9/35	540 197	552 205		Funding	1.000%	4/12/24	65	64
	Allstate Corp.	3.850%	8/10/49	156	126	5	Brighthouse Financial Global				
	American Express Co.	6.489%	10/30/31	315	342	5	Funding	1.750%	1/13/25	505	483
	American Express Co.	5.043%	5/1/34	2,054	2,051	5	Brighthouse Financial Global Funding	1.550%	5/24/26	525	481
	American International Group Inc.	6.250%	5/1/36	245	261	5	Brighthouse Financial Global	1.550 /6	3/24/20	525	401
	American International Group Inc.	4.800%	7/10/45	260	245		Funding	2.000%	6/28/28	520	449
	American International Group Inc.	4.750%	4/1/48	640	606	5	Canadian Imperial Bank of				
	American International Group Inc.	4.375%	6/30/50	375	335		Commerce	1.150%	7/8/26	1,005	923
	Ameriprise Financial Inc.	5.700%	12/15/28	630	660		Capital One Financial Corp.	3.750%	4/24/24	1,305	1,296
	Ameriprise Financial Inc.	4.500%	5/13/32	335	333		Capital One Financial Corp.	3.200%	2/5/25	760	742
	Ameriprise Financial Inc.	5.150%	5/15/33	730	753		Capital One Financial Corp.	7.149%	10/29/27	455	472
	Aon Corp. / Aon Global Holdings plc	2.850%	5/28/27	550	520		Capital One Financial Corp.	6.312%	6/8/29	370	380
5	Athene Global Funding	1.000%	4/16/24	685	675		Capital One Financial Corp. Capital One Financial Corp.	7.624% 6.377%	10/30/31 6/8/34	291 816	319 841
5	Athene Global Funding	1.985%	8/19/28	10	9		Charles Schwab Corp.	0.750%	3/18/24	1,350	1,336
5	Athene Global Funding	2.717%	1/7/29	980	858		Charles Schwab Corp.  Charles Schwab Corp.	3.200%	3/16/24	545	520
5	Australia & New Zealand Banking		•				Charles Schwab Corp.	2.000%	3/20/28	1,100	979
_	Group Ltd.	2.570%	11/25/35	685	553		Charles Schwab Corp.	2.900%	3/3/32	875	754
5	Aviation Capital Group LLC	1.950%	9/20/26	415	376		Charles Schwab Corp.	5.853%	5/19/34	695	716
	Banco Santander SA	1.849%	3/25/26	1,000	926		Charles Schwab Corp.	6.136%	8/24/34	690	729
	Banco Santander SA	2.749%	12/3/30	200	166		Chubb INA Holdings Inc.	3.350%	5/15/24	555	550
	Banco Santander SA Bank of America Corp.	2.958%	3/25/31	200	172		Chubb INA Holdings Inc.	4.350%	11/3/45	800	752
	Bank of America Corp.  Bank of America Corp.	4.271% 3.974%	7/23/29 2/7/30	4,780 1,895	4,613 1,797		Citigroup Inc.	0.981%	5/1/25	1,190	1,170
		J.J, F/0	_,,,00	1,000	.,, 0,		Citigroup Inc.	1.462%	6/9/27	1,213	1,110

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
	Citigroup Inc.	3.070%	2/24/28	1,000	942		HSBC Holdings plc	2.804%	5/24/32	1,555	1,298
	Citigroup Inc.	3.520%	10/27/28	1,975	1,867		HSBC Holdings plc	2.871%	11/22/32	2,125	1,768
	Citigroup Inc.	3.878%	1/24/39	1,025	885		HSBC Holdings plc	5.402%	8/11/33	770	774
_	Citigroup Inc.	2.904%	11/3/42	560	403		HSBC Holdings plc	6.500%	5/2/36	900	952
5 5	CNO Global Funding	1.650%	1/6/25	260	249		HSBC Holdings plc	6.100%	1/14/42	300	341
5	CNO Global Funding	2.650%	1/6/29	370	320		Huntington National Bank	4.552%	5/17/28	320	309
5	Commonwealth Bank of Australia Commonwealth Bank of Australia	5.071% 2.688%	9/14/28 3/11/31	1,060 2,285	1,083 1,885		ING Groep NV ING Groep NV	3.950% 1.726%	3/29/27 4/1/27	2,695 500	2,610 463
5	Cooperatieve Rabobank UA	1.106%	2/24/27	1,365	1,250		Intercontinental Exchange Inc.	4.000%	9/15/27	3,545	3,482
5	Cooperatieve Rabobank UA	4.655%	8/22/28	625	614		Intercontinental Exchange Inc.	4.350%	6/15/29	255	254
	Corebridge Financial Inc.	3.900%	4/5/32	1,810	1,640		Intercontinental Exchange Inc.	1.850%	9/15/32	180	144
5	Corebridge Financial Inc.	6.050%	9/15/33	190	198		Intercontinental Exchange Inc.	4.600%	3/15/33	1,140	1,138
	Corebridge Financial Inc.	5.750%	1/15/34	1,150	1,177		Intercontinental Exchange Inc.	2.650%	9/15/40	170	127
	Corebridge Financial Inc.	4.350%	4/5/42	105	89		Intercontinental Exchange Inc.	3.000%	6/15/50	1,010	723
	Corebridge Financial Inc.	4.400%	4/5/52	315	264		Intercontinental Exchange Inc.	4.950%	6/15/52	1,266	1,266
5	Corebridge Global Funding	5.750%	7/2/26	595	602	_	Intercontinental Exchange Inc.	3.000%	9/15/60	850	575
5	Corebridge Global Funding	5.900%	9/19/28	255	263	5	JAB Holdings BV	3.750%	5/28/51	500	340
5 5	Credit Agricole SA	3.250%	10/4/24	2,390	2,349	5 5	JAB Holdings BV	4.500%	4/8/52	860	668
5	Credit Agricole SA	5.589%	7/5/26	1,200	1,222	5	Jackson National Life Global	1 750%	1/12/25	555	531
3	Credit Suizas AC	6.316%	10/3/29	605 1 105	634		Funding JPMorgan Chase & Co.	1.750% 3.900%	7/15/25	2,270	2,237
5	Credit Suisse AG Danske Bank A/S	7.500% 5.375%	2/15/28	1,195 795	1,310 795		JPMorgan Chase & Co.	2.069%	6/1/29	740	656
5	Danske Bank A/S	1.621%	1/12/24 9/11/26	795 855	795 798		JPMorgan Chase & Co.	4.452%	12/5/29	2,100	2,059
5	Danske Bank A/S	6.259%	9/22/26	1,040	1,057		JPMorgan Chase & Co.	3.702%	5/6/30	2,525	2,375
5	Danske Bank A/S	1.549%	9/10/27	1,605	1,450		JPMorgan Chase & Co.	4.912%	7/25/33	6,633	6,559
	Deutsche Bank AG	6.720%	1/18/29	305	319		JPMorgan Chase & Co.	5.350%	6/1/34	3,212	3,264
	Deutsche Bank AG	6.819%	11/20/29	985	1,036		JPMorgan Chase & Co.	3.109%	4/22/41	835	645
5	DNB Bank ASA	1.535%	5/25/27	960	876		JPMorgan Chase & Co.	5.400%	1/6/42	750	778
5	DNB Bank ASA	1.605%	3/30/28	1,330	1,187		JPMorgan Chase & Co.	3.157%	4/22/42	560	435
5	Equitable Financial Life Global						JPMorgan Chase & Co.	3.964%	11/15/48	6,475	5,446
	Funding	1.400%	7/7/25	370	349		JPMorgan Chase & Co.	3.109%	4/22/51	845	608
5	Equitable Financial Life Global					5	KBC Group NV	5.796%	1/19/29	235	239
5	Funding	1.300%	7/12/26	825	744	5 5	KBC Group NV	6.324%	9/21/34	840	886
5	Equitable Financial Life Global Funding	1.700%	11/12/26	365	330	5	Liberty Mutual Group Inc.	4.569%	2/1/29	280	274
5	Equitable Financial Life Global	1.70070	11/12/20	305	330	5	Liberty Mutual Group Inc.	5.500%	6/15/52	1,709	1,688
	Funding	1.400%	8/27/27	535	467	5	LSEGA Financing plc	1.375%	4/6/26	1,555	1,435
5	Equitable Financial Life Global	10070	0,2,,2,	000	.07	5	LSEGA Financing plc LSEGA Financing plc	2.000% 2.500%	4/6/28 4/6/31	630 1,110	563 954
	Funding	1.800%	3/8/28	870	763		M&T Bank Corp.	7.413%	10/30/29	1,110	1,626
5	Federation des Caisses Desjardins					5	Macquarie Group Ltd.	1.935%	4/14/28	1,245	1,112
	du Quebec	5.147%	11/27/28	1,075	1,103	5	Macquarie Group Ltd.	2.871%	1/14/33	1,628	1,338
	Fifth Third Bancorp	4.055%	4/25/28	325	310		Manufacturers & Traders Trust Co.	2.900%	2/6/25	685	663
5	Fifth Third Bancorp	4.337%	4/25/33	215	200		Manufacturers & Traders Trust Co.	4.700%	1/27/28	2,375	2,309
5	Five Corners Funding Trust IV	5.791%	2/15/33	810	861		Marsh & McLennan Cos. Inc.	4.375%	3/15/29	675	672
5	Five Corners Funding Trust IV GA Global Funding Trust	5.997% 1.000%	2/15/53	1,480 750	1,608 738		Marsh & McLennan Cos. Inc.	4.900%	3/15/49	305	295
	Goldman Sachs Group Inc.	3.272%	4/8/24 9/29/25	1,205	1,185		Marsh & McLennan Cos. Inc.	2.900%	12/15/51	560	377
	Goldman Sachs Group Inc.	3.500%	11/16/26	2,000	1,103		Marsh & McLennan Cos. Inc.	5.450%	3/15/53	240	251
	Goldman Sachs Group Inc.	3.850%	1/26/27	740	720	5	Massachusetts Mutual Life	0.00	40/:/-:		
	Goldman Sachs Group Inc.	1.431%	3/9/27	2,190	2,019		Insurance Co.	3.200%	12/1/61	590	382
	Goldman Sachs Group Inc.	1.542%	9/10/27	1,165	1,057		MetLife Inc.	4.125%	8/13/42	145	129
	Goldman Sachs Group Inc.	3.691%	6/5/28	810	774		MetLife Inc.	4.875%	11/13/43	530	517
	Goldman Sachs Group Inc.	3.814%	4/23/29	3,065	2,912	5	MetLife Inc. Metropolitan Life Global Funding I	5.000% 3.450%	7/15/52 12/18/26	387 640	385 617
	Goldman Sachs Group Inc.	4.223%	5/1/29	2,630	2,543	5	Metropolitan Life Global Funding I	4.400%	6/30/27	300	295
	Goldman Sachs Group Inc.	3.800%	3/15/30	40	38	5	Metropolitan Life Global Funding I	3.000%	9/19/27	1,165	1,092
	Goldman Sachs Group Inc.	2.615%	4/22/32	3,130	2,627	5	Metropolitan Life Global Funding I	4.300%	8/25/29	440	428
	Goldman Sachs Group Inc.	2.383%	7/21/32	2,433	2,000	5	Metropolitan Life Global Funding I	2.400%	1/11/32	1,410	1,170
	Goldman Sachs Group Inc.	2.650%	10/21/32	625	521	5	Metropolitan Life Global Funding I	5.150%	3/28/33	520	529
	Goldman Sachs Group Inc.	3.102%	2/24/33	1,248	1,072		Mitsubishi UFJ Financial Group Inc.	5.017%	7/20/28	815	816
5	Goldman Sachs Group Inc.	6.750%	10/1/37	835	921		Morgan Stanley	3.700%	10/23/24	750	740
5	Guardian Life Global Funding	1.250%	5/13/26	205	188		Morgan Stanley	2.720%	7/22/25	1,750	1,722
	HSBC Holdings plc	0.976% 1.589%	5/24/25 5/24/27	300 805	294 738		Morgan Stanley	2.630%	2/18/26	1,805	1,747
	HSBC Holdings plc HSBC Holdings plc	5.887%	5/24/27 8/14/27	805 1,470	738 1,491		Morgan Stanley	3.125%	7/27/26	1,345	1,288
	HSBC Holdings plc	2.251%	11/22/27	2,165	1,491		Morgan Stanley	6.250%	8/9/26	3,000	3,093
	HSBC Holdings plc	4.041%	3/13/28	890	858		Morgan Stanley	3.625%	1/20/27	1,250	1,212
	HSBC Holdings plc	7.390%	11/3/28	1,340	1,436		Morgan Stanley	3.772%	1/24/29	3,910	3,728
	HSBC Holdings plc	4.583%	6/19/29	1,675	1,625		Morgan Stanley	2.699%	1/22/31	1,105	968
	HSBC Holdings plc	2.206%	8/17/29	1,440	1,257		Morgan Stanley	2.239%	7/21/32	1,805	1,475
	HSBC Holdings plc	2.357%	8/18/31	1,625	1,349		Morgan Stanley	2.511%	10/20/32	615	510

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
	Morgan Stanley	2.943%	1/21/33	920	782	5	Temasek Financial I Ltd.	3.625%	8/1/28	1,025	1,004
	Morgan Stanley	4.889%	7/20/33	2,891	2,820	5	Temasek Financial I Ltd.	2.375%	8/2/41	969	735
	Morgan Stanley	2.484%	9/16/36	1,475	1,171		Toronto-Dominion Bank	4.456%	6/8/32	332	323
	Morgan Stanley	5.297%	4/20/37	270	262		Truist Financial Corp.	3.700%	6/5/25	1,385	1,355
	Morgan Stanley	5.948%	1/19/38	825	835		Truist Financial Corp.	4.873%	1/26/29	1,080	1,066
	Morgan Stanley	4.300%	1/27/45	850 530	768		UBS AG	1.250%	6/1/26	985	905
	Nasdaq Inc. Nasdaq Inc.	5.550% 3.950%	2/15/34 3/7/52	530 540	552 428		UBS AG UBS Group AG	5.650% 3.750%	9/11/28 3/26/25	1,385 2,147	1,437 2,103
	Nasdaq Inc.	5.950%	8/15/53	185	199	5	UBS Group AG	1.305%	2/2/27	545	499
	Nasdag Inc.	6.100%	6/28/63	135	147	5	UBS Group AG	1.494%	8/10/27	1,160	1,048
	National Australia Bank Ltd.	3.905%	6/9/27	885	865	5	UBS Group AG	2.095%	2/11/32	720	574
5	National Australia Bank Ltd.	5.134%	11/28/28	1,538	1,578	5	UBS Group AG	3.091%	5/14/32	1,195	1,019
5	National Australia Bank Ltd.	2.332%	8/21/30	2,140	1,745	5	UBS Group AG	2.746%	2/11/33	330	270
5	National Australia Bank Ltd.	2.990%	5/21/31	2,227	1,863	5	UBS Group AG	6.537%	8/12/33	485	517
5	National Australia Bank Ltd.	3.347%	1/12/37	1,252	1,037	5	UBS Group AG	9.016%	11/15/33	750	922
5	National Securities Clearing Corp.	5.100%	11/21/27	1,565	1,596	5	UBS Group AG	6.301%	9/22/34	920	972
5	Nationwide Financial Services Inc.	3.900%	11/30/49	1,430	1,133	5	UBS Group AG	3.179%	2/11/43	855	632
5	Nationwide Mutual Insurance Co.	4.350%	4/30/50	1,520	1,223	5	UniCredit SpA	1.982%	6/3/27	1,015	928
_	NatWest Group plc	1.642%	6/14/27	870	794	5	UniCredit SpA	3.127%	6/3/32	1,000	844
5 5	NatWest Markets plc	0.800%	8/12/24	670	651		US Bancorp	3.700%	1/30/24	1,560	1,557
5	NBK SPC Ltd.	1.625%	9/15/27	1,975	1,791		US Bancorp	2.677%	1/27/33	475	397
5	New York Life Insurance Co.	5.875%	5/15/33	2,100	2,228		US Bancorp	2.491%	11/3/36	576	451
5	New York Life Insurance Co.	3.750% 4.450%	5/15/50 5/15/69	345 435	278 374		Wachovia Corp.	7.500% 3.000%	4/15/35 2/19/25	1,000 890	1,154 870
5	New York Life Insurance Co. Nordea Bank Abp	1.500%	9/30/26	1,900	1,732		Wells Fargo & Co. Wells Fargo & Co.	3.550%	9/29/25	860	841
5	Northwestern Mutual Life	1.500 /6	3/30/20	1,300	1,732		Wells Fargo & Co.	3.000%	4/22/26	1,045	1,001
	Insurance Co.	3.850%	9/30/47	696	562		Wells Fargo & Co.	3.000%	10/23/26	170	161
5	Northwestern Mutual Life		-,,				Wells Fargo & Co.	3.196%	6/17/27	1,705	1,630
	Insurance Co.	3.625%	9/30/59	270	202		Wells Fargo & Co.	3.526%	3/24/28	1,230	1,174
5	Pacific Life Global Funding II	1.375%	4/14/26	795	735		Wells Fargo & Co.	6.303%	10/23/29	1,055	1,113
5	Pacific LifeCorp.	5.400%	9/15/52	500	500		Wells Fargo & Co.	2.879%	10/30/30	435	387
5	Penske Truck Leasing Co. LP / PTL						Wells Fargo & Co.	2.572%	2/11/31	2,235	1,932
5	Finance Corp.	3.450%	7/1/24	465	459		Wells Fargo & Co.	3.350%	3/2/33	235	206
5	Penske Truck Leasing Co. LP / PTL	2.7000/	11 /1 /0 /	205	374		Wells Fargo & Co.	4.897%	7/25/33	5,676	5,533
5	Finance Corp.  Penske Truck Leasing Co. LP / PTL	2.700%	11/1/24	385	3/4		Wells Fargo & Co.	5.389%	4/24/34	325	326
	Finance Corp.	3.950%	3/10/25	1,435	1,409		Wells Fargo & Co.	5.606%	1/15/44	2,316	2,311
5	Penske Truck Leasing Co. LP / PTL	0.00070	0,10,20	.,	.,		Wells Fargo & Co.	4.900%	11/17/45	515	470
	Finance Corp.	4.450%	1/29/26	925	904		Wells Fargo & Co.	4.750%	12/7/46	2,070	1,828
5	Penske Truck Leasing Co. LP / PTL						Wells Fargo & Co.	4.611%	4/25/53	1,245	1,125
_	Finance Corp.	5.875%	11/15/27	1,370	1,401		Wells Fargo Bank NA	5.254%	12/11/26	2,917	2,954
5	Penske Truck Leasing Co. LP / PTL	F 7000/	0/1/00	1 000	1 017						328,258
5	Finance Corp.	5.700%	2/1/28	1,290	1,317	He	alth Care (2.0%)				
	Penske Truck Leasing Co. LP / PTL Finance Corp.	6.050%	8/1/28	1,125	1,166		AbbVie Inc.	3.800%	3/15/25	575	568
5	Penske Truck Leasing Co. LP / PTL	0.00070	0/1/20	1,120	1,100		AdventHealth Obligated Group	2.795%	11/15/51	900	612
	Finance Corp.	6.200%	6/15/30	218	229		Advocate Health & Hospitals Corp.	2.211% 3.008%	6/15/30	360 540	309 385
	PNC Bank NA	3.300%	10/30/24	460	452	5	Advocate Health & Hospitals Corp. Alcon Finance Corp.	2.750%	6/15/50	200	385 188
	PNC Bank NA	2.950%	2/23/25	1,105	1,076	5	Alcon Finance Corp.  Alcon Finance Corp.	2.600%	9/23/26 5/27/30	200	173
	PNC Bank NA	3.100%	10/25/27	1,165	1,093	5	Alcon Finance Corp.	5.375%	12/6/32	255	263
	PNC Bank NA	3.250%	1/22/28	1,675	1,576	5	Alcon Finance Corp.	3.800%	9/23/49	305	244
5	Pricoa Global Funding I	5.100%	5/30/28	1,058	1,075	5	Alcon Finance Corp.	5.750%	12/6/52	775	832
5	Principal Life Global Funding II	2.500%	9/16/29	1,000	876		Amgen Inc.	4.400%	5/1/45	147	131
	Progressive Corp.	4.950%	6/15/33	1,694	1,737		Amgen Inc.	4.200%	2/22/52	547	463
5	Progressive Corp.	4.125%	4/15/47	295	260		Amgen Inc.	5.750%	3/2/63	420	442
Ü	Protective Life Global Funding	4.714% 3.905%	7/6/27 12/7/47	750	746 101		Ascension Health	2.532%	11/15/29	1,405	1,256
	Prudential Financial Inc. Prudential Financial Inc.	4.350%	2/25/50	233 1,856	191 1,647	2	Ascension Health	4.847%	11/15/53	50	48
5	RGA Global Funding	2.700%	1/18/29	425	378		AstraZeneca plc	4.000%	1/17/29	2,270	2,241
	Royal Bank of Canada	5.000%	2/1/33	1,500	1,526		AstraZeneca plc	6.450%	9/15/37	615	719
5	Standard Chartered plc	1.214%	3/23/25	285	282	5	Banner Health	2.907%	1/1/42	910	672
5	Standard Chartered plc	6.301%	1/9/29	990	1,016	5	Bayer US Finance II LLC	4.250%	12/15/25	1,100	1,071
	State Street Corp.	4.821%	1/26/34	450	443	5	Bayer US Finance LLC	3.375%	10/8/24	815	799 245
5	Sumitomo Mitsui Trust Bank Ltd.	0.850%	3/25/24	2,000	1,979	5	Bayer US Finance LLC	6.125%	11/21/26	340	345
5	Svenska Handelsbanken AB	1.418%	6/11/27	1,875	1,704	3	Bayer US Finance LLC Beth Israel Lahey Health Inc.	6.250% 3.080%	1/21/29 7/1/51	380 255	389 165
5	Swedbank AB	6.136%	9/12/26	1,010	1,031		Bon Secours Mercy Health Inc.	4.302%	7/1/51 7/1/28	570	559
5	Teachers Insurance & Annuity					2	Bon Secours Mercy Health Inc.	3.464%	6/1/30	590	526
5	Assn. of America	4.900%	9/15/44	915	868		Bon Secours Mercy Health Inc.	2.095%	6/1/31	330	271
J	Teachers Insurance & Annuity Assn. of America	4.270%	5/15/47	1,145	1,001		Bristol-Myers Squibb Co.	3.550%	3/15/42	1,785	1,460
	Addit. Of Afficiled	+.∠/U/0	0/10/4/	1,140	1,001		Bristol-Myers Squibb Co.	4.550%	2/20/48	169	154

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
	Cedars-Sinai Health System	2.288%	8/15/31	1,330	1,112		Thermo Fisher Scientific Inc.	2.000%	10/15/31	560	472
	Children's Hospital Corp.	2.585%	2/1/50	160	105		Toledo Hospital	5.750%	11/15/38	545	544
	Cigna Group	3.250%	4/15/25	880	859		UnitedHealth Group Inc.	3.850%	6/15/28	1,190	1,166
	Cigna Group	4.375%	10/15/28	515	511		UnitedHealth Group Inc.	2.000%	5/15/30	275	238
	CommonSpirit Health	2.760%	10/1/24	860	841		UnitedHealth Group Inc.	2.300%	5/15/31	435	376
	CommonSpirit Health	3.347%	10/1/29	1,015	926		UnitedHealth Group Inc.	4.200%	5/15/32	335	328
	CommonSpirit Health	2.782%	10/1/30	684	593		UnitedHealth Group Inc.	4.625%	7/15/35	240	241
2	CommonSpirit Health	4.350%	11/1/42	601	522		UnitedHealth Group Inc.	3.500%	8/15/39	215	183
	CommonSpirit Health	3.910%	10/1/50	70	55		UnitedHealth Group Inc.	2.750%	5/15/40	310	235
	Cottage Health Obligated Group	3.304%	11/1/49	295	220		UnitedHealth Group Inc.	3.050%	5/15/41	838	656
5	CSL Finance plc	4.750%	4/27/52	1,164	1,112		UnitedHealth Group Inc.	4.375%	3/15/42	1,318	1,221
	CVS Health Corp.	1.750%	8/21/30	145	120		UnitedHealth Group Inc.	4.250%	3/15/43	1,600	1,480
	CVS Health Corp.	4.875%	7/20/35	315	310		UnitedHealth Group Inc.	4.750%	7/15/45	592	575
	Dignity Health	3.812%	11/1/24	560	549		UnitedHealth Group Inc.	4.200%	1/15/47	215	191
	Elevance Health Inc.	2.550%	3/15/31	1,100	955		UnitedHealth Group Inc.	3.750%	10/15/47	145	120
	Elevance Health Inc.	5.500%	10/15/32	320	335		UnitedHealth Group Inc.	4.250%	6/15/48	880	787
	Elevance Health Inc.	4.650%	8/15/44	92	85		UnitedHealth Group Inc.	4.450%	12/15/48	140	128
	Elevance Health Inc.	6.100%	10/15/52	75	85		UnitedHealth Group Inc.	3.700%	8/15/49	675	550
	Eli Lilly & Co.	4.875%	2/27/53	270	280		UnitedHealth Group Inc.	2.900%	5/15/50	1,539	1,080
	Eli Lilly & Co.	4.950%	2/27/63	235	244		UnitedHealth Group Inc.	3.250%	5/15/51	295	224
	Gilead Sciences Inc.	2.600%	10/1/40	780	575		UnitedHealth Group Inc.	4.750%	5/15/52	245	236
	Gilead Sciences Inc.	4.500%	2/1/45	290	268		UnitedHealth Group Inc.	5.875%	2/15/53	1,655	1,874
	Gilead Sciences Inc.	4.150%	3/1/47	1,640	1,430		UnitedHealth Group Inc.	3.875%	8/15/59	615 _	502
	Gilead Sciences Inc.	2.800%	10/1/50	503	348						67,012
	Gilead Sciences Inc.	5.550%	10/15/53	320	347	Ind	lustrials (0.7%)				
	GlaxoSmithKline Capital Inc.	5.375%	4/15/34	2,000	2,155	5	Ashtead Capital Inc.	2.450%	8/12/31	495	403
	Humana Inc.	5.750%	12/1/28	65	68	5	Ashtead Capital Inc.	5.550%	5/30/33	200	198
	Humana Inc.	5.950%	3/15/34	1,843	1,973	5	Ashtead Capital Inc.	5.950%	10/15/33	255	260
	Indiana University Health Inc.	0.0500/	44/4/54	005	050	5	BAE Systems Holdings Inc.	3.850%	12/15/25	1,085	1,062
	Obligated Group	2.852%	11/1/51	365	250	5	BAE Systems plc	3.400%	4/15/30	215	198
	Inova Health System Foundation	4.068%	5/15/52	475	415		Boeing Co.	1.433%	2/4/24	940	936
	Kaiser Foundation Hospitals	3.150%	5/1/27	380	364		Boeing Co.	2.700%	2/1/27	495	467
	Kaiser Foundation Hospitals	2.810%	6/1/41	1,130	849		Boeing Co.	5.805%	5/1/50	900	933
	Kaiser Foundation Hospitals	3.002%	6/1/51	1,105	788		Burlington Northern Santa Fe LLC	4.550%	9/1/44	250	233
	Mass General Brigham Inc.	3.192%	7/1/49	535	394		Burlington Northern Santa Fe LLC	4.150%	4/1/45	415	369
	Mass General Brigham Inc.	3.342%	7/1/60	955	683		Burlington Northern Santa Fe LLC	4.050%	6/15/48	60	52
	Memorial Sloan-Kettering Cancer	2.0550/	1/1/50	E00	410		Burlington Northern Santa Fe LLC	3.050%	2/15/51	405	294
	Center	2.955%	1/1/50	590	418		Burlington Northern Santa Fe LLC	2.875%	6/15/52	705	493
	Memorial Sloan-Kettering Cancer Center	4.125%	7/1/52	310	271		Burlington Northern Santa Fe LLC	4.450%	1/15/53	17	16
	Merck & Co. Inc.	3.400%	3/7/29	1,320	1,268		Canadian National Railway Co.	2.450%	5/1/50	205	135
	Merck & Co. Inc.	4.150%	5/18/43	760	699		Canadian Pacific Railway Co.	4.950%	8/15/45	480	456
	Merck & Co. Inc.	4.000%	3/7/49	1,915	1,692	5	Carrier Global Corp.	5.900%	3/15/34	115	124
	Novartis Capital Corp.	4.400%	5/6/44	640	614	5	Carrier Global Corp.	6.200%	3/15/54	396	459
	OhioHealth Corp.	2.297%	11/15/31	760	636		CSX Corp.	3.350%	9/15/49	235	178
	OhioHealth Corp.	2.834%	11/15/41	485	359	5	Daimler Truck Finance North				
	Pfizer Inc.	3.000%	12/15/26	725	699		America LLC	5.150%	1/16/26	450	451
	Pfizer Inc.	3.450%	3/15/29	2,165	2,085	5	Daimler Truck Finance North				
	Pfizer Inc.	4.100%	9/15/38	1,505	1,384		America LLC	3.650%	4/7/27	445	428
	Pfizer Investment Enterprises Pte	4.10070	3/13/30	1,303	1,504	5	Daimler Truck Finance North				
	Ltd.	4.750%	5/19/33	1,045	1,047		America LLC	5.125%	1/19/28	150	151
	Pfizer Investment Enterprises Pte	00 70	0, 10,00	.,0.0	.,0.,		Eaton Corp.	4.150%	3/15/33	254	249
	Ltd.	5.110%	5/19/43	1,000	998		Eaton Corp.	4.700%	8/23/52	130	128
	Pfizer Investment Enterprises Pte			,			Honeywell International Inc.	4.250%	1/15/29	1,000	1,002
	Ltd.	5.300%	5/19/53	1,005	1,028		Honeywell International Inc.	5.000%	2/15/33	1,893	1,982
	Piedmont Healthcare Inc.	2.044%	1/1/32	255	207		Honeywell International Inc.	4.500%	1/15/34	1,684	1,694
	Piedmont Healthcare Inc.	2.719%	1/1/42	255	182		Honeywell International Inc.	5.375%	3/1/41	132	141
	Piedmont Healthcare Inc.	2.864%	1/1/52	340	227		John Deere Capital Corp.	5.150%	9/8/33	1,270	1,337
	Providence St. Joseph Health						Lockheed Martin Corp.	4.500%	5/15/36	211	209
	Obligated Group	2.532%	10/1/29	985	860		Lockheed Martin Corp.	4.700%	5/15/46	376	369
	Providence St. Joseph Health						Lockheed Martin Corp.	5.700%	11/15/54	1,499	1,690
	Obligated Group	5.403%	10/1/33	449	457		Republic Services Inc.	4.875%	4/1/29	110	112
2	Providence St. Joseph Health						RTX Corp.	4.450%	11/16/38	275	253
	Obligated Group '	3.930%	10/1/48	325	251	5	Siemens				
	Providence St. Joseph Health					_	Financieringsmaatschappij NV	1.700%	3/11/28	630	565
_	Obligated Group	2.700%	10/1/51	1,000	612	5	Siemens	0.4555	0/4: /= :		
5	Roche Holdings Inc.	2.607%	12/13/51	305	205	-	Financieringsmaatschappij NV	2.150%	3/11/31	1,100	939
	SSM Health Care Corp.	3.823%	6/1/27	940	911	5	Siemens	4.4000/	E/07/45	000	750
	Sutter Health	2.294%	8/15/30	295	252		Financieringsmaatschappij NV	4.400%	5/27/45	800 515	753 534
	Thermo Fisher Scientific Inc.	1.750%	10/15/28	260	232		Trane Technologies Financing Ltd.	5.250%	3/3/33	515	534

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
5	UL Solutions Inc.	6.500%	10/20/28	380	399		Cisco Systems Inc.	2.500%	9/20/26	431	411
	Union Pacific Corp.	3.700%	3/1/29	505	494		Intel Corp.	2.875%	5/11/24	800	792
	Union Pacific Corp.	2.800%	2/14/32	8	7		Intel Corp.	2.000%	8/12/31	105	89
	Union Pacific Corp.	3.375%	2/14/42	515	421		Intel Corp.	5.625%	2/10/43	1,906	2,042
	Union Pacific Corp.	3.250%	2/5/50	72	55		Intel Corp.	4.100%	5/19/46	1,172	1,032
	Union Pacific Corp.	3.799%	10/1/51	696	584		Intel Corp.	3.250%	11/15/49	600	446
	Union Pacific Corp.	3.500%	2/14/53	1,025	812		Intel Corp.	3.050%	8/12/51	842	596
2	Union Pacific Corp. United Airlines Class B Series	3.750%	2/5/70	335	261		Intel Corp. Intel Corp.	4.900% 5.700%	8/5/52 2/10/53	2,180 840	2,137 909
	2018-1 Pass Through Trust	4.600%	9/1/27	116	108		Intel Corp.	3.200%	8/12/61	425	294
	2010 11 400 111104911 11401	1.00070	0/1/2/	_	23,394		International Business Machines	3.200 /0	0/12/01	425	254
Ma	terials (0.1%)				20,004		Corp.	3.300%	5/15/26	4,500	4,371
5	Corp. Nacional del Cobre de Chile	3.700%	1/30/50	600	433		International Business Machines	0.5000/	E /4 E /0.0	0.075	
5	Glencore Funding LLC	6.375%	10/6/30	1,429	1,536		Corp.	3.500%	5/15/29	2,975	2,838
5	Glencore Funding LLC	2.625%	9/23/31	230	195		International Business Machines Corp.	5.875%	11/29/32	1,010	1,105
5	Glencore Funding LLC	6.500%	10/6/33	360	393		Intuit Inc.	5.200%	9/15/33	1,455	1,525
					2,557		Intuit Inc.	5.500%	9/15/53	1,401	1,537
Rea	al Estate (0.6%)						Microsoft Corp.	3.125%	11/3/25	435	425
	American Tower Corp.	5.000%	2/15/24	80	80		Microsoft Corp.	2.400%	8/8/26	1,890	1,804
	American Tower Corp.	4.400%	2/15/26	450	445		Microsoft Corp.	3.450%	8/8/36	822	756
	American Tower Corp.	3.800%	8/15/29	981	931		Microsoft Corp.	2.525%	6/1/50	3,336	2,282
_	American Tower Corp.	5.900%	11/15/33	247	262	5	Microsoft Corp.	2.500%	9/15/50	492	333
5	American Tower Trust I	5.490%	3/15/28	2,070	2,100		Microsoft Corp.	2.921%	3/17/52	3,287	2,421
	Boston Properties LP	3.800%	2/1/24	45	45		Oracle Corp.	2.950%	11/15/24	2,190	2,141
	Crown Castle Inc.	4.000%	11/15/49	218	172		Oracle Corp.	1.650%	3/25/26	895	834
	CubeSmart LP CubeSmart LP	2.250% 2.500%	12/15/28 2/15/32	360 233	318 194		Oracle Corp.	3.250%	11/15/27	1,360	1,292
	Extra Space Storage LP	5.500%	7/1/30	360	368		Oracle Corp. Oracle Corp.	4.500% 4.125%	7/8/44 5/15/45	873 757	762 620
	Extra Space Storage LP	5.900%	1/15/31	896	936		QUALCOMM Inc.	1.300%	5/20/28	757 744	659
	Healthpeak OP LLC	2.125%	12/1/28	880	775		QUALCOMM Inc.	2.150%	5/20/30	1,075	949
	Healthpeak OP LLC	3.000%	1/15/30	930	829		QUALCOMM Inc.	1.650%	5/20/32	1,112	906
	Prologis LP	5.250%	6/15/53	595	621		QUALCOMM Inc.	4.250%	5/20/32	175	174
	Public Storage Operating Co.	5.125%	1/15/29	180	186		QUALCOMM Inc.	4.500%	5/20/52	463	433
	Public Storage Operating Co.	5.100%	8/1/33	190	197		S&P Global Inc.	2.700%	3/1/29	121	112
	Public Storage Operating Co.	5.350%	8/1/53	100	105		S&P Global Inc.	2.900%	3/1/32	1,817	1,623
	Realty Income Corp.	2.200%	6/15/28	735	659		S&P Global Inc.	3.700%	3/1/52	45	37
	Realty Income Corp.	4.700%	12/15/28	840	846					_	51,970
	Realty Income Corp.	3.250%	1/15/31	380	346	Ut	ilities (3.2%)				,
	Realty Income Corp.	2.850%	12/15/32	1,295	1,103		AEP Texas Inc.	4.150%	5/1/49	145	117
5	Realty Income Corp.	4.900%	7/15/33	816	817		AEP Texas Inc.	3.450%	1/15/50	380	275
5	SBA Tower Trust SBA Tower Trust	1.840% 2.836%	4/15/27	1,570 725	1,391 701		AEP Transmission Co. LLC	4.500%	6/15/52	265	240
5	SBA Tower Trust	1.884%	1/15/50 7/15/50	725 265	246		Alabama Power Co.	6.000%	3/1/39	654	702
5	SBA Tower Trust	1.631%	5/15/51	1,060	947		Alabama Power Co.	5.200%	6/1/41	120	117
5	SBA Tower Trust	2.593%	10/15/56	1,500	1,205		Alabama Power Co.	4.100%	1/15/42	215	180
5	Scentre Group Trust 1 / Scentre	2.00070	10, 10,00	1,000	1,200		Alabama Power Co.	3.750%	3/1/45	630	514
	Group Trust 2	4.375%	5/28/30	695	660		Alabama Power Co.	4.300%	7/15/48	775 500	675 575
	Simon Property Group LP	3.375%	10/1/24	275	271		Ameren Illinois Co. Ameren Illinois Co.	3.800%	5/15/28	590 1 000	575 1 017
	Simon Property Group LP	2.450%	9/13/29	1,160 _	1,033		Ameren Illinois Co. Ameren Illinois Co.	6.125% 3.700%	12/15/28 12/1/47	1,000 140	1,017 115
					18,789		American Water Capital Corp.	2.950%	9/1/27	540	510
Tec	hnology (1.6%)				•		American Water Capital Corp.	3.750%	9/1/47	45	37
	Apple Inc.	3.250%	2/23/26	1,020	996		American Water Capital Corp.	4.200%	9/1/48	845	738
	Apple Inc.	2.450%	8/4/26	1,170	1,115		American Water Capital Corp.	4.150%	6/1/49	25	22
	Apple Inc.	3.350%	2/9/27	1,545	1,505		American Water Capital Corp.	3.450%	5/1/50	95	73
	Apple Inc.	3.200%	5/11/27	1,065	1,031		Arizona Public Service Co.	6.350%	12/15/32	180	195
	Apple Inc.	2.900%	9/12/27	2,250	2,154		Arizona Public Service Co.	5.550%	8/1/33	247	256
	Apple Inc.	3.850%	5/4/43	430	383		Arizona Public Service Co.	3.350%	5/15/50	410	293
	Apple Inc.	4.450%	5/6/44	120	117		Baltimore Gas and Electric Co.	2.900%	6/15/50	238	163
	Apple Inc.	3.850% 2.650%	8/4/46	985	859 560		Berkshire Hathaway Energy Co.	6.125%	4/1/36	1,135	1,230
	Apple Inc. Apple Inc.	2.650%	5/11/50 2/8/51	825 792	569 544		Berkshire Hathaway Energy Co.	5.950%	5/15/37	25	27
	Apple Inc. Apple Inc.	4.850%	5/10/53	1,322	1,349		Berkshire Hathaway Energy Co.	5.150%	11/15/43	1,490	1,473
	Broadcom Corp. / Broadcom	<del>-</del> .000 /0	0, 10,00	1,022	1,040		Berkshire Hathaway Energy Co.	4.250%	10/15/50	115 548	98 489
	Cayman Finance Ltd.	3.875%	1/15/27	305	298	5	Berkshire Hathaway Energy Co. Boston Gas Co.	4.600% 3.150%	5/1/53 8/1/27	548 140	489 131
	Broadcom Inc.	4.110%	9/15/28	1,452	1,419	5	Boston Gas Co.	3.757%	3/16/32	120	107
	Broadcom Inc.	4.150%	11/15/30	130	124	5	Brooklyn Union Gas Co.	3.407%	3/10/26	95	91
5	Broadcom Inc.	2.600%	2/15/33	710	584	5	Brooklyn Union Gas Co.	4.273%	3/15/48	1,720	1,335
5	Broadcom Inc.	3.187%	11/15/36	291	236		•				

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
-	CenterPoint Energy Houston						Evergy Kansas Central Inc.	3.250%	9/1/49	630	446
	Electric LLC	4.250%	2/1/49	195	172		Evergy Metro Inc.	2.250%	6/1/30	205	175
(	CenterPoint Energy Resources						Evergy Metro Inc.	4.200%	3/15/48	137	116
	Corp.	5.250%	3/1/28	1,109	1,137		Eversource Energy	2.900%	10/1/24	690	676
(	CenterPoint Energy Resources	4.0000/	4/1/00	1 200	1 222		Eversource Energy	3.150%	1/15/25	110	107
	Corp. CenterPoint Energy Resources	4.000%	4/1/28	1,369	1,333		Eversource Energy	3.300%	1/15/28	400	379
,	Corp.	5.400%	3/1/33	868	906		Eversource Energy	5.450%	3/1/28	765	787
(	Cleco Corporate Holdings LLC	3.743%	5/1/26	185	179		Eversource Energy	3.375%	3/1/32	70	62
	Cleco Corporate Holdings LLC	3.375%	9/15/29	405	356		Eversource Energy	5.125%	5/15/33	360	362 483
(	Cleco Securitization I LLC	4.646%	9/1/44	765	748		Exelon Corp. Florida Power & Light Co.	3.350% 5.050%	3/15/32	540 340	483 348
(	Commonwealth Edison Co.	2.950%	8/15/27	645	609		Florida Power & Light Co.	5.650%	4/1/28 2/1/35	1,000	1,054
(	Commonwealth Edison Co.	4.350%	11/15/45	375	329		Florida Power & Light Co.	4.950%	6/1/35	1,000	1,015
(	Commonwealth Edison Co.	3.650%	6/15/46	175	139		Florida Power & Light Co.	5.950%	2/1/38	785	858
	Commonwealth Edison Co.	4.000%	3/1/48	368	312		Florida Power & Light Co.	5.690%	3/1/40	675	729
	Commonwealth Edison Co.	3.850%	3/15/52	195	158		Florida Power & Light Co.	3.700%	12/1/47	368	298
(	Consolidated Edison Co. of New	. =000/	40/4/45		074		Florida Power & Light Co.	5.300%	4/1/53	535	561
	York Inc.	4.500%	12/1/45	980	874		Fortis Inc.	3.055%	10/4/26	1,195	1,135
(	Consolidated Edison Co. of New York Inc.	3.850%	6/15/46	76	62		Georgia Power Co.	4.700%	5/15/32	655	652
	Consolidated Edison Co. of New	3.030 /0	0/13/40	70	02		Georgia Power Co.	4.950%	5/17/33	635	642
	York Inc.	3.950%	4/1/50	50	42		Georgia Power Co.	5.400%	6/1/40	205	200
(	Consolidated Edison Co. of New		,,,,,,,				Georgia Power Co.	4.750%	9/1/40	988	921
	York Inc.	3.200%	12/1/51	570	405		Georgia Power Co.	4.300%	3/15/42	1,076	954
(	Consolidated Edison Co. of New						Georgia Power Co.	3.700%	1/30/50	170	135
	York Inc.	6.150%	11/15/52	292	332		Georgia Power Co.	5.125%	5/15/52	710	704
(	Consolidated Edison Co. of New		40/4/54	0.040		_	Indiana Michigan Power Co.	4.250%	8/15/48	415	349
	York Inc.	4.625%	12/1/54	2,640	2,382	5 5	ITC Holdings Corp.	4.950%	9/22/27	60	60
(	Consolidated Edison Co. of New York Inc.	4.500%	5/15/58	715	622	5	KeySpan Gas East Corp.	2.742%	8/15/26	670	624
	Consumers Energy Co.	4.200%	9/1/52	555	489	5	Massachusetts Electric Co.	5.900%	11/15/39	585	596
	Dominion Energy Inc.	3.375%	4/1/30	178	164	5	Metropolitan Edison Co.	5.200%	4/1/28	60	60
	Dominion Energy Inc.	5.375%	11/15/32	1,950	2,000	Ü	Metropolitan Edison Co. MidAmerican Energy Co.	4.300% 4.400%	1/15/29 10/15/44	249 15	241 13
	Dominion Energy Inc.	5.250%	8/1/33	1,000	1,016		MidAmerican Energy Co.	4.400%	5/1/46	45	39
	Dominion Energy Inc.	4.600%	3/15/49	760	670		MidAmerican Energy Co.	4.250%	7/15/49	165	144
	Dominion Energy Inc.	4.850%	8/15/52	2,852	2,633		MidAmerican Energy Co.	3.150%	4/15/50	1,166	838
	Dominion Energy South				·	5	Mid-Atlantic Interstate	0.10070	<del>-1</del> /10/00	1,100	000
	Carolina Inc.	6.625%	2/1/32	138	156		Transmission LLC	4.100%	5/15/28	220	213
1	Dominion Energy South					5	Monongahela Power Co.	5.400%	12/15/43	135	132
	Carolina Inc.	5.300%	5/15/33	44	46		Nevada Power Co.	3.125%	8/1/50	305	211
	Dominion Energy South	E 4500/	0/4/44	0.5	07		NextEra Energy Capital				
	Carolina Inc.	5.450%	2/1/41	95	97		Holdings Inc.	6.051%	3/1/25	390	394
	Dominion Energy South Carolina Inc.	4.600%	6/15/43	202	185		NextEra Energy Capital				
	Duke Energy Carolinas LLC	4.950%	1/15/33	148	151		Holdings Inc.	5.749%	9/1/25	415	419
	Duke Energy Carolinas LLC	6.100%	6/1/37	493	530		NextEra Energy Capital	3.550%	E/1/07	880	848
	Duke Energy Carolinas LLC	3.700%	12/1/47	470	370		Holdings Inc. NextEra Energy Capital	3.550 %	5/1/27	000	040
	Duke Energy Carolinas LLC	5.350%	1/15/53	1,075	1,103		Holdings Inc.	1.900%	6/15/28	670	595
	Duke Energy Corp.	2.650%	9/1/26	315	299		NextEra Energy Capital		-, -,		
1	Duke Energy Corp.	3.400%	6/15/29	350	329		Holdings Inc.	3.500%	4/1/29	390	369
- 1	Duke Energy Corp.	3.300%	6/15/41	945	725		NextEra Energy Capital				
1	Duke Energy Corp.	4.800%	12/15/45	1,200	1,099		Holdings Inc.	2.750%	11/1/29	590	530
- 1	Duke Energy Corp.	3.750%	9/1/46	265	205	5	Niagara Mohawk Power Corp.	4.278%	12/15/28	1,000	957
	Duke Energy Corp.	4.200%	6/15/49	525	431	5	Niagara Mohawk Power Corp.	3.025%	6/27/50	540	353
	Duke Energy Corp.	3.500%	6/15/51	990	729		NiSource Inc.	5.250%	2/15/43	390	379
	Duke Energy Corp.	5.000%	8/15/52	1,298	1,214		NiSource Inc.	4.800%	2/15/44	255	234
	Duke Energy Florida LLC	6.350%	9/15/37	200	222		NiSource Inc.	5.000%	6/15/52	2,036	1,906
	Duke Energy Florida LLC	5.950%	11/15/52	155	170		Northern States Power Co. Northern States Power Co.	2.250%	4/1/31	145	124
	Duke Energy Progress LLC	6.300%	4/1/38	365	403	2,5	Oglethorpe Power Corp.	6.250% 6.191%	6/1/36 1/1/31	2,000 1,065	2,212 1,082
	Duke Energy Progress LLC	4.100%	3/15/43	118	101		Oglethorpe Power Corp.	5.950%	11/1/39	170	1,002
	Duke Energy Progress LLC Duke Energy Progress LLC	4.200%	8/15/45	2,045 70	1,751 44		Oglethorpe Power Corp.	4.550%	6/1/44	50	42
	Duke Energy Progress LLC  Duke Energy Progress LLC	2.500% 2.900%	8/15/50 8/15/51	70 70	47		Oglethorpe Power Corp.	4.250%	4/1/46	537	426
	Duke Energy Progress LCC  Duke Energy Progress NC Storm	2.000 /0	0/10/01	70	47		Oglethorpe Power Corp.	4.500%	4/1/47	115	98
	Funding LLC	2.387%	7/1/39	1,010	822		Oglethorpe Power Corp.	5.050%	10/1/48	65	60
5	East Ohio Gas Co.	2.000%	6/15/30	325	270		Oncor Electric Delivery Co. LLC	4.150%	6/1/32	150	145
_	East Ohio Gas Co.	3.000%	6/15/50	475	307		Oncor Electric Delivery Co. LLC	4.550%	9/15/32	414	410
	Edison International	5.250%	11/15/28	708	713	5	Oncor Electric Delivery Co. LLC	5.650%	11/15/33	2,025	2,160
	Emera US Finance LP	3.550%	6/15/26	716	689		Oncor Electric Delivery Co. LLC	4.550%	12/1/41	75	70
	Entergy Louisiana LLC	3.120%	9/1/27	410	387		Oncor Electric Delivery Co. LLC	2.700%	11/15/51	355	234
- 1	Evergy Inc.	2.450%	9/15/24	425	415		Oncor Electric Delivery Co. LLC	4.600%	6/1/52	670	624

			_					_	
		Maturity	Face Amount	Market Value*			Maturity	Face Amount	
	Coupon	Date	(\$000)	(\$000)		Coupon	Date	(\$000)	
Oncor Electric Delivery Co. LLC	4.950%	9/15/52	294	289	5 Government of Bermuda	2.375%	8/20/30	400	
Pacific Gas and Electric Co.	6.150%	1/15/33	603	625	5 Government of Bermuda	3.375%	8/20/50	200	
Pacific Gas and Electric Co.	6.400%	6/15/33	495	521	International Bank for				
Pacific Gas and Electric Co.	6.950%	3/15/34	1,110	1,222	Reconstruction & Development	4.750%	2/15/35	2,000	
Pacific Gas and Electric Co.	4.500%	7/1/40	926	783	Kingdom of Saudi Arabia	5.000%	1/18/53	1,230	
Pacific Gas and Electric Co.	6.750%	1/15/53	401	437	OMERS Finance Trust	4.000%	4/20/28	560	
Pacific Gas and Electric Co.	6.700%	4/1/53	882	960	Republic of Chile	2.550%	7/27/33	1,085	
PECO Energy Co.	4.600%	5/15/52	280	263	Republic of Chile	3.500%	1/31/34	545	
Pennsylvania Electric Co.	5.150%	3/30/26	30	30	Republic of Chile	3.500%	4/15/53	575	
PG&E Energy Recovery					5 State of Qatar	4.400%	4/16/50	430	
Funding LLC	2.280%	1/15/38	109	85	United Mexican States	6.338%	5/4/53	737	
PG&E Energy Recovery	0.0000/	7/15/40	40.4	250	Total Sovereign Bonds (Cost \$8,045)				
Funding LLC PG&E Wildfire Recovery	2.822%	7/15/48	494	359	Taxable Municipal Bonds (1.6%)				
Funding LLC	5.212%	12/1/49	720	727					
PG&E Wildfire Recovery	0.2.270	.2, ., .0	,20	, _ ,	Alabama Federal Aid Highway				
Funding LLC	5.099%	6/1/54	685	686	Finance Authority Government Fund/Grant Revenue	2.650%	9/1/37	160	
Piedmont Natural Gas Co. Inc.	5.050%	5/15/52	260	243	Bay Area Toll Authority Highway	2.000 /0	3/1/37	100	
Potomac Electric Power Co.	6.500%	11/15/37	750	859	Revenue	6.918%	4/1/40	580	
PPL Electric Utilities Corp.	5.250%	5/15/53	180	186	Bay Area Toll Authority Highway	2.0.070	., ., 10	200	
San Diego Gas & Electric Co.	6.000%	6/1/26	600	617	Revenue	6.263%	4/1/49	60	
San Diego Gas & Electric Co.	1.700%	10/1/30	145	120	Bay Area Toll Authority Highway				
San Diego Gas & Electric Co.	3.750%	6/1/47	160	129	Revenue	7.043%	4/1/50	820	
San Diego Gas & Electric Co.	4.150%	5/15/48	545	466	Broward County FL Airport System				
San Diego Gas & Electric Co.	2.950%	8/15/51	21	15	Port, Airport & Marina Revenue	3.477%	10/1/43	300	
San Diego Gas & Electric Co.	3.700%	3/15/52	790	613	California GO	7.500%	4/1/34	155	
San Diego Gas & Electric Co.	5.350%	4/1/53	1,220	1,239	California GO	7.350%	11/1/39	1,550	
SCE Recovery Funding LLC	0.861%	11/15/33	239	204	California Health Facilities				
SCE Recovery Funding LLC	1.942%	5/15/40	110	83	Financing Authority				
SCE Recovery Funding LLC	2.510%	11/15/43	100	69	Intergovernmental Agreement	4 1000/	6/1/07	100	
Sempra	3.250%	6/15/27	4,095	3,883	Revenue	4.190%	6/1/37	120	
Sempra	6.000%	10/15/39	600	632	California State University College & University Revenue	2.719%	11/1/52	350	
Sierra Pacific Power Co.	2.600%	5/1/26	221	210	California State University College	2.71370	11/1/52	330	
Southern California Edison Co.	3.700%	8/1/25	90	88	& University Revenue	2.939%	11/1/52	445	
Southern California Edison Co.	5.950%	11/1/32	620	666	Chicago Transit Authority Sales &		, .,		
Southern California Edison Co.	6.000%	1/15/34	1,000	1,100	Transfer Tax Receipts Sales Tax				
Southern California Edison Co.	5.550%	1/15/37	2,250	2,263	Revenue	6.899%	12/1/40	1,679	
Southern California Edison Co.	6.050%	3/15/39	55	58	Chicago Transit Authority Sales &				
Southern California Edison Co.	4.650%	10/1/43	100	91	Transfer Tax Receipts Sales Tax				
Southern California Edison Co.	4.000%	4/1/47	195	160	Revenue	6.899%	12/1/40	776	
Southern California Edison Co.	4.125%	3/1/48	645	544	Chicago Transit Authority Sales Tax				
Southern California Edison Co.	4.875%	3/1/49	87	80	Receipts Fund Sales Tax	0.0000/	40/4/40	550	
Southern California Edison Co.	3.650%	2/1/50	155	120	Revenue	6.200%	12/1/40	550	
Southern California Edison Co.	5.700%	3/1/53	210	221	Commonwealth of Massachusetts GO	2.514%	7/1/41	270	
Southern California Edison Co.	5.875%	12/1/53	350	378	Commonwealth of Massachusetts	2.014%	// 1/41	2/0	
Southern California Gas Co.	2.600%	6/15/26	820	782	Miscellaneous Taxes Revenue	4.110%	7/15/31	429	
Southern California Gas Co.	6.350%	11/15/52	250	286	Dallas Fort Worth International	T. 11U /0	1,10/01	4∠3	
Southern Co.	4.400%	7/1/46	755	666	Airport Port, Airport & Marina				
Southern Co. Gas Capital Corp.	5.750%	9/15/33	165	173	Revenue	3.089%	11/1/40	220	
Southwest Gas Corp.	2.200%	6/15/30	230	195	Dallas Fort Worth International				
Southwestern Electric Power Co.	6.200%	3/15/40	400	425	Airport Port, Airport & Marina				
Southwestern Public Service Co.	3.700%	8/15/47	102	78	Revenue	2.843%	11/1/46	515	
Texas Electric Market Stabilization					Dallas Fort Worth International				
Funding N LLC	4.966%	2/1/44	1,120	1,100	Airport Port, Airport & Marina				
Texas Electric Market Stabilization					Revenue	4.087%	11/1/51	75	
Funding N LLC	5.057%	8/1/48	535	525	Dallas Fort Worth International				
Texas Electric Market Stabilization	E 10=-:	C /4 /= =		===	Airport Port, Airport & Marina Revenue	4.507%	11/1/51	535	
Funding N LLC	5.167%	2/1/52	500	503	<ul> <li>Foothill-Eastern Transportation</li> </ul>	4.50770	11/1/01	555	
Tucson Electric Power Co.	5.500%	4/15/53	210	214	Corridor Agency Highway				
Union Electric Co.	4.000%	4/1/48	423	349	Revenue	3.924%	1/15/53	345	
Union Electric Co.	3.900%	4/1/52	245	202	Georgia Municipal Electric	2.02170	.,,	2 10	
Union Electric Co.	5.450%	3/15/53	250	258	Authority Electric Power & Light				
Virginia Electric and Power Co.	3.500%	3/15/27	435	420	Revenue	6.637%	4/1/57	2,006	
Wisconsin Electric Power Co.	5.700%	12/1/36	690 _	731	Golden State Tobacco		•	•	
				105,269	Securitization Corp. Tobacco				
tal Corporate Bonds (Cost \$787,802	١			739,472	Settlement Funded Revenue	2.746%	6/1/34	70	
· · · · · · · · · · · · · · · · · · ·	ı			733,472	Golden State Tobacco				
overeign Bonds (0.2%)					Securitization Corp. Tobacco	2 2020/	6/1/40	100	
Emirate of Abu Dhabi	4.951%	7/7/52	390	383	Settlement Funded Revenue	3.293%	6/1/42	130	

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
	Golden State Tobacco					Port Authority of New York & New				
	Securitization Corp. Tobacco Settlement Funded Revenue	3.000%	6/1/46	260	237	Jersey Port, Airport & Marina Revenue	5.072%	7/15/53	1,035	1,072
	Grand Parkway Transportation Corp. Highway Revenue	5.184%	10/1/42	140	143	Port Authority of New York & New Jersey Port, Airport & Marina Revenue	3.175%	7/15/60	485	340
	Grand Parkway Transportation Corp. Highway Revenue	3.236%	10/1/52	930	699	Port Authority of New York & New	3.175%	7/15/60	485	340
	Houston TX GO	6.290%	3/1/32	315	335	Jersey Port, Airport & Marina				
	Illinois GO	5.100%	6/1/33	6,135	6,070	Revenue	4.458%	10/1/62	1,175	1,072
	Illinois State Toll Highway Authority				,	Port Authority of New York & New				
	Highway Revenue Jobs ohio Beverage System	6.184%	1/1/34	750	824	Jersey Port, Airport & Marina Revenue	4.810%	10/15/65	640	622
	Economic Development Revenue	4.433%	1/1/33	345	342	Riverside CA General Fund Revenue Riverside County CA	3.857%	6/1/45	260	222
	JobsOhio Beverage System Miscellaneous Revenue	2.833%	1/1/38	160	130	Appropriations Revenue	3.818%	2/15/38	290	264
8	Kansas Development Finance Authority Appropriations	2.000 /0	1/1/30	100	130	Rutgers State University of New Jersey College & University		_, ,		
	Revenue	2.774%	5/1/51	390	277	Revenue	3.270%	5/1/43	350	283
7	Kansas Development Finance Authority Lease (Appropriation)					Sales Tax Securitization Corp. Intergovernmental Agreement	2 2200/	1/1/40	1.000	005
	Revenue	5.501%	5/1/34	2,000	2,085	Revenue	3.238%	1/1/42	1,000	805
	Maryland State Transportation Authority Transit Revenue	5.888%	7/1/43	545	592	State Board of Administration Finance Corp. Miscellaneous Revenue	1.705%	7/1/27	925	838
	Massachusetts School Building Authority Sales Tax Revenue	1.753%	8/15/30	890	765	Texas Natural Gas Securitization Finance Corp. Natural Gas	1.70070	7/1/27	020	000
	Massachusetts School Building Authority Sales Tax Revenue Massachusetts School Building	5.715%	8/15/39	1,000	1,061	Revenue Texas Natural Gas Securitization	5.102%	4/1/35	420	428
	Authority Sales Tax Revenue Massachusetts School Building	3.395%	10/15/40	475	404	Finance Corp. Natural Gas Revenue	5.169%	4/1/41	615	636
	Authority Sales Tax Revenue	2.950%	5/15/43	650	477	Texas Transportation Commission	0.5000/		205	470
	Massachusetts Water Resources Authority Water Revenue	2.823%	8/1/41	710	550	GO Texas Transportation Commission State Highway Fund	2.562%	4/1/42	235	179
	Metropolitan Transportation Authority Fuel Sales Tax Revenue	6.089%	11/15/40	445	487	Miscellaneous Revenue University of California College &	4.000%	10/1/33	395	381
	Metropolitan Transportation Authority Miscellaneous Taxes	72260/	11 /1 5 /00	225	400	University of California College & University of California College &	1.316%	5/15/27	385	349
	Revenue Metropolitan Transportation Authority Transit Revenue	7.336% 6.200%	11/15/39 11/15/26	325 40	403 41	University Revenue University of California College &	1.614%	5/15/30	645	545
	Metropolitan Transportation Authority Transit Revenue	6.814%	11/15/20	785	870	University Revenue University of California College &	4.765%	5/15/44	145	143
	Metropolitan Transportation	0.01-70	11/10/40	700	070	University Revenue	3.931%	5/15/45	570	521
	Authority Transit Revenue Michigan Finance Authority Health,	5.175%	11/15/49	910	887	University of California Regents Medical Center Pooled Health, Hospital, Nursing Home				
	Hospital, Nursing Home	0.0040/	40/4/04	005	057	Revenue	4.132%	5/15/32	465	446
	Revenue New Jersey Turnpike Authority	3.084%	12/1/34	295	257	University of California Regents		., ., .		
	Highway Revenue New York State Thruway Authority	7.414%	1/1/40	410	511	Medical Center Pooled Health, Hospital, Nursing Home	0.5400/	5/45/40	00	00
	Highway Revenue New York State Thruway Authority	2.900%	1/1/35	490	427	Revenue University of California Regents Medical Center Pooled Health,	6.548%	5/15/48	80	93
	Highway Revenue North Texas Tollway Authority	3.500%	1/1/42	275	230	Hospital, Nursing Home Revenue	6.583%	5/15/49	695	813
	Highway Revenue	3.011%	1/1/43	450	345	University of California Regents	0.00070	0/10/40	000	010
	North Texas Tollway Authority Highway Revenue Oregon Department of	6.718%	1/1/49	465	574	Medical Center Pooled Health, Hospital, Nursing Home Revenue	3.006%	5/15/50	450	319
	Transportation Fuel Sales Tax Revenue	5.834%	11/15/34	655	709	University of California Regents Medical Center Pooled Health,	0.00070	3, 13, 33	100	0.0
7	Oregon School Boards Association GO	5.528%	6/30/28	1,716	1,741	Hospital, Nursing Home Revenue	4.563%	5/15/53	1,350	1,260
9	Oregon State University College & University Revenue Philadelphia Authority for Industrial	3.424%	3/1/60	1,000	761	University of California Regents Medical Center Pooled Health, Hospital, Nursing Home				
	Development Miscellaneous Revenue	6.550%	10/15/28	1,945	2,072	Revenue University of Michigan College &	3.256%	5/15/60	780	554
	Port Authority of New York & New Jersey Port, Airport & Marina					University Revenue University of Michigan College &	2.562%	4/1/50	997	676
	Revenue	5.859%	12/1/24	65	65	University Revenue	3.504%	4/1/52	210	173

	Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
University of Minnesota College & University Revenue	4.048%	4/1/52	840	757
Total Taxable Municipal Bonds (Cost \$	56,358)			51,942
			Shares	
Temporary Cash Investments (1.3%)				
Money Market Fund (0.0%)  10 Vanguard Market Liquidity Fund	5.435%		117	12
			Face Amount (\$000)	_
Repurchase Agreement (1.3%)  NatWest Markets plc (Dated 12/29/23, Repurchase Value \$43,326,000, collateralized by U.S. Treasury Note/Bond 1.625%, 8/15/29, with a value of \$44,166,000)	5.310%	1/2/24	43,300	43,300
Total Temporary Cash Investments (Co	st \$43,312)	ı		43,312
Total Investments (99.7%) (Cost \$2,806	6,343)			3,251,675
Other Assets and Liabilities—Net (0.3%	<b>%</b> )			8,680
Net Assets (100%)				3,260,355
Cast is in \$000				

Cost is in \$000.

- · See Note A in Notes to Financial Statements.
- Non-income-producing security.
- 1 Securities with a value of \$123,000 have been segregated as initial margin for open futures contracts.
- 2 The average or expected maturity is shorter than the final maturity shown because of the possibility of interim principal payments and prepayments or the possibility of the issue being called.
- 3 The issuer was placed under federal conservatorship in September 2008; since that time, its daily operations have been managed by the Federal Housing Finance Agency and it receives capital from the U.S. Treasury, as needed to maintain a positive net worth, in exchange for senior preferred stock.
- 4 Includes securities purchased on a when-issued or delayed-delivery basis for which the portfolio has not taken delivery as of December 31, 2023.
- 5 Security exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be sold in transactions exempt from registration, normally to qualified institutional buyers. At December 31, 2023, the aggregate value was \$199,952,000, representing 6.1% of net assets.
- 6 Variable-rate security; rate shown is effective rate at period end. Certain variable-rate securities are not based on a published reference rate and spread but are determined by the issuer or agent based on current market conditions.
- 7 Scheduled principal and interest payments are guaranteed by Assured Guaranty Municipal Corp.
- 8 Scheduled principal and interest payments are guaranteed by Build America Mutual Assurance Co.
- 9 Scheduled principal and interest payments are guaranteed by National Public Finance Guarantee Corp.
- 10 Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.
- ADR—American Depositary Receipt.
- DAC—Designated Activity Company.
- GO—General Obligation Bond.
- REMICS—Real Estate Mortgage Investment Conduits.
- SOFR30A—30 Day Average Secured Overnight Financing Rate.
- TSFR1M—CME Term Secured Overnight Financing Rate 1-Month.
- UMBS—Uniform Mortgage-Backed Securities.

Perivative Financial Instruments Outstanding as of Period End								
Futures Contracts								
				(\$000)				
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)				
Short Futures Contracts								
Ultra 10-Year U.S. Treasury Note	March 2024	(35)	(4,131)	(142)				

# Statement of Assets and Liabilities As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amount
Assets	
Investments in Securities, at Value	
Unaffiliated Issuers (Cost \$2,806,331)	3,251,663
Affiliated Issuers (Cost \$12)	12
Total Investments in Securities	3,251,675
Investment in Vanguard	104
Cash	16
Foreign Currency, at Value (Cost \$392)	395
Receivables for Investment Securities Sold	5,770
Receivables for Accrued Income	14,104
Receivables for Capital Shares Issued	197
Variation Margin Receivable—Futures Contracts	3
Total Assets	3,272,264
Liabilities	
Payables for Investment Securities Purchased	8,003
Payables to Investment Advisor	395
Payables for Capital Shares Redeemed	3,167
Payables to Vanguard	344
Total Liabilities	11,909
Net Assets	3,260,355
At December 31, 2023, net assets consisted of:	
Paid-in Capital	2,574,891
Total Distributable Earnings (Loss)	685,464
Net Assets	3,260,355
Net Assets	
Applicable to 139,984,429 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	3,260,355
Net Asset Value Per Share	\$23.29

## Statement of Operations

#### Year Ended December 31, 2023 (\$000) Investment Income Income Dividends1 37,876 Interest 43,267 Securities Lending-Net Total Income 81,144 Expenses Investment Advisory Fees—Note B Basic Fee 1,607 Performance Adjustment (38)The Vanguard Group—Note C Management and Administrative 4,730 Marketing and Distribution 153 Custodian Fees 29 Auditing Fees 30 80 Shareholders' Reports Trustees' Fees and Expenses 2 Other Expenses 52 Total Expenses 6,645 Expenses Paid Indirectly (9) Net Expenses 6,636 Net Investment Income 74,508 Realized Net Gain (Loss) Investment Securities Sold 171,809 **Futures Contracts** 158 Swap Contracts (137) Foreign Currencies 73 Realized Net Gain (Loss) 171,903 Change in Unrealized Appreciation (Depreciation) 176,264 Investment Securities<sup>2</sup> **Futures Contracts** (272)Foreign Currencies 139 Change in Unrealized Appreciation (Depreciation) 176,131 Net Increase (Decrease) in Net Assets

422,542

Resulting from Operations

## Statement of Changes in Net Assets

	Year Ended	December 31,
	2023 (\$000)	2022 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	74,508	66,357
Realized Net Gain (Loss)	171,903	127,923
Change in Unrealized Appreciation (Depreciation)	176,131	(727,150)
Net Increase (Decrease) in Net Assets Resulting from Operations	422,542	(532,870)
Distributions		
Total Distributions	(195,416)	(375,204)
Capital Share Transactions		
Issued	180,021	313,136
Issued in Lieu of Cash Distributions	195,416	375,204
Redeemed	(484,124)	(425,731)
Net Increase (Decrease) from Capital Share Transactions	(108,687)	262,609
Total Increase (Decrease)	118,439	(645,465)
Net Assets		
Beginning of Period	3,141,916	3,787,381
End of Period	3,260,355	3,141,916

<sup>1</sup> Dividends are net of foreign withholding taxes of \$(29,000).

<sup>2</sup> Change in unrealized appreciation (depreciation) from an affiliated company of the portfolio is \$1,000. Purchases and sales are for temporary cash investment purposes.

## Financial Highlights

For a Share Outstanding			Year	Ended Dec	ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$21.72	\$28.41	\$25.68	\$24.94	\$22.20
Investment Operations					
Net Investment Income <sup>1</sup>	.518	.471	.468	.526	.623
Net Realized and Unrealized Gain (Loss) on Investments	2.415	(4.277)	4.137	1.692	4.105
Total from Investment Operations	2.933	(3.806)	4.605	2.218	4.728
Distributions					
Dividends from Net Investment Income	(.464)	(.480)	(.497)	(.666)	(.660)
Distributions from Realized Capital Gains	(.899)	(2.404)	(1.378)	(.812)	(1.328)
Total Distributions	(1.363)	(2.884)	(1.875)	(1.478)	(1.988)
Net Asset Value, End of Period	\$23.29	\$21.72	\$28.41	\$25.68	\$24.94
Total Return	14.33%	-14.30%	19.02%	10.68%	22.48%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$3,260	\$3,142	\$3,787	\$3,346	\$3,267
Ratio of Total Expenses to Average Net Assets <sup>2</sup>	0.21% <sup>3</sup>	0.21% <sup>3</sup>	0.20%	0.20%	0.21%
Ratio of Net Investment Income to Average Net Assets	2.37%	2.05%	1.76%	2.24%	2.68%
Portfolio Turnover Rate <sup>4</sup>	40%	40%	33%	49%	29%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> Includes performance-based investment advisory fee increases (decreases) of (0.00%), 0.00%, (0.01%), (0.01%), and (0.00%).

<sup>3</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset and broker commission abatement arrangements was 0.21%.

<sup>4</sup> Includes 1%, 7%, 1%, 3%, and 8%, respectively, attributable to mortgage-dollar-roll activity.

### Notes to Financial Statements

The Balanced Portfolio, a portfolio of Vanguard Variable Insurance Funds, is registered under the Investment Company Act of 1940 as an open-end investment company. The portfolio's shares are only available for purchase by separate accounts of insurance companies as investments for variable annuity plans, variable life insurance contracts, or other variable benefit insurance contracts.

**A.** The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The portfolio consistently follows such policies in preparing its financial statements.

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Bonds and other temporary cash investments are valued using the latest bid prices or using valuations based on a matrix system (which considers such factors as security prices, yields, maturities, and ratings), both as furnished by independent pricing services. Structured debt securities, including mortgages and asset-backed securities, are valued using the latest bid prices or using valuations based on a matrix system that considers such factors as issuer, tranche, nominal or option-adjusted spreads, weighted average coupon, weighted average maturity, credit enhancements, and collateral, as furnished by independent pricing services. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the portfolio's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees. These procedures include obtaining quotations from an independent pricing service, monitoring news to identify significant market- or security-specific events, and evaluating changes in the values of foreign market proxies (for example, ADRs, futures contracts, or exchange-traded funds), between the time the foreign markets close and the portfolio's pricing time. When fair-value pricing is employed, the prices of securities used by a portfolio to calculate its net asset value may differ from quoted or published prices for the same securities.
- 2. Foreign Currency: Securities and other assets and liabilities denominated in foreign currencies are translated into U.S. dollars using exchange rates obtained from an independent third party as of the portfolio's pricing time on the valuation date. Realized gains (losses) and unrealized appreciation (depreciation) on investment securities include the effects of changes in exchange rates since the securities were purchased, combined with the effects of changes in security prices. Fluctuations in the value of other assets and liabilities resulting from changes in exchange rates are recorded as unrealized foreign currency gains (losses) until the assets or liabilities are settled in cash, at which time they are recorded as realized foreign currency gains (losses).
- 3. To Be Announced (TBA) Transactions: A TBA transaction is an agreement to buy or sell mortgage-backed securities with agreed-upon characteristics (face amount, coupon, maturity) for settlement at a future date. The portfolio may be a seller of TBA transactions to reduce its exposure to the mortgage-backed securities market or in order to sell mortgage-backed securities it owns under delayed-delivery arrangements. When the portfolio is a buyer of TBA transactions, it maintains cash or short-term investments in an amount sufficient to meet the purchase price at the settlement date of the TBA transaction. The primary risk associated with TBA transactions is that a counterparty may default on its obligations. The portfolio mitigates its counterparty risk by, among other things, performing a credit analysis of counterparties, allocating transactions among numerous counterparties, and monitoring its exposure to each counterparty. The portfolio may also enter into a Master Securities Forward Transaction Agreement (MSFTA) with certain counterparties and require them to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the portfolio cannot be repledged, resold, or rehypothecated. Under an MSFTA, upon a counterparty default (including bankruptcy), the portfolio may terminate any TBA transactions with that counterparty, determine the net amount owed by either party in accordance with its MSFTA, and sell or retain any collateral held up to the net amount owed to the portfolio under the MSFTA.
- 4. Mortgage Dollar Rolls: The portfolio enters into mortgage-dollar-roll transactions, in which the portfolio sells mortgage-backed securities to a dealer and simultaneously agrees to purchase similar securities in the future at a predetermined price. The proceeds of the securities sold in mortgage-dollar-roll transactions are typically invested in high-quality short-term fixed income securities. The portfolio forgoes principal and interest paid on the securities sold, and is compensated by interest earned on the proceeds of the sale and by a lower price on the securities to be repurchased. The portfolio also enters into mortgage-dollar-roll transactions in which the portfolio buys mortgage-backed securities from a dealer pursuant to a TBA transaction and simultaneously

agrees to sell similar securities in the future at a predetermined price. The securities bought in mortgage-dollar-roll transactions are used to cover an open TBA sell position. The portfolio continues to earn interest on mortgage-backed security pools already held and receives a lower price on the securities to be sold in the future. The portfolio accounts for mortgage-dollar-roll transactions as purchases and sales; as such, these transactions may increase the portfolio's portfolio turnover rate. Amounts to be received or paid in connection with open mortgage dollar rolls are included in Receivables for Investment Securities Sold or Payables for Investment Securities Purchased in the Statement of Assets and Liabilities.

- 5. Repurchase Agreements: The portfolio enters into repurchase agreements with institutional counterparties. Securities pledged as collateral to the portfolio under repurchase agreements are held by a custodian bank until the agreements mature, and in the absence of a default, such collateral cannot be repledged, resold, or rehypothecated. Each agreement requires that the market value of the collateral be sufficient to cover payments of interest and principal. The portfolio further mitigates its counterparty risk by entering into repurchase agreements only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master repurchase agreements with its counterparties. The master repurchase agreements provide that, in the event of a counterparty's default (including bankruptcy), the portfolio may terminate any repurchase agreements with that counterparty, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the portfolio. Such action may be subject to legal proceedings, which may delay or limit the disposition of collateral.
- 6. Futures Contracts: The portfolio uses futures contracts to invest in fixed income asset classes with greater efficiency and lower cost than is possible through direct investment, to add value when these instruments are attractively priced, or to adjust sensitivity to changes in interest rates. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of bonds held by the portfolio and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the portfolio trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the portfolio's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the portfolio's average investments in long and short futures contracts represented 1% and less than 1% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

7. Swap Contracts: The portfolio invests in credit default swaps to adjust the overall credit risk of the portfolio or to actively overweight or underweight credit risk to a specific issuer or group of issuers. The portfolio may sell credit protection through credit default swaps to simulate investments in long positions that are either unavailable or considered to be less attractively priced in the bond market. The portfolio may purchase credit protection through credit default swaps to reduce credit exposure to a given issuer or issuers. Under the terms of the swaps, an up-front payment may be exchanged between the seller and buyer. In addition, the seller of the credit protection receives a periodic payment of premium from the buyer that is a fixed percentage applied to a notional amount. If, for example, the reference entity is subject to a credit event (such as bankruptcy, failure to pay, or obligation acceleration) during the term of the swap, the seller agrees to either physically settle or cash settle the swap contract. If the swap is physically settled, the seller agrees to pay the buyer an amount equal to the notional amount and take delivery of a debt instrument of the reference issuer with a par amount equal to such notional amount. If the swap is cash settled, the seller agrees to pay the buyer the difference between the notional amount and the final price for the relevant debt instrument, as determined either in a market auction or pursuant to a pre-agreed-upon valuation procedure.

The portfolio enters into centrally cleared credit default swaps to achieve the same objectives specified with respect to the equivalent over-the-counter swaps but with less counterparty risk because a regulated clearinghouse is the counterparty instead of the clearing broker or executing broker. The clearinghouse imposes initial margin requirements to secure the portfolio's performance, and requires daily settlement of variation margin representing changes in the market value of each

contract. To further mitigate counterparty risk, the portfolio trades with a diverse group of prequalified executing brokers; monitors the financial strength of its clearing brokers, executing brokers, and clearinghouse; and has entered into agreements with its clearing brokers and executing brokers.

The primary risk associated with selling credit protection is that, upon the occurrence of a defined credit event, the market value of the debt instrument received by the portfolio (or, in a cash settled swap, the debt instruments used to determine the settlement payment by the portfolio) will be significantly less than the amount paid by the portfolio and, in a physically settled swap, the portfolio may receive an illiquid debt instrument. A risk associated with all types of swaps is the possibility that a counterparty may default on its obligation to pay net amounts due to the portfolio. The portfolio's maximum amount subject to counterparty risk is the unrealized appreciation on the swap contract. The portfolio mitigates its counterparty risk by entering into swaps only with a diverse group of prequalified counterparties, monitoring their financial strength, entering into master netting arrangements with its counterparties, and requiring its counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the portfolio cannot be repledged, resold, or rehypothecated. In the event of a counterparty's default (including bankruptcy), the portfolio may terminate any swap contracts with that counterparty, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the portfolio under the master netting arrangements. The swap contracts contain provisions whereby a counterparty may terminate open contracts if the portfolio's net assets decline below a certain level, triggering a payment by the portfolio if the portfolio is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the portfolio has pledged. Any securities pledged as collateral for open contracts are noted in the Schedule of Investments. The value of collateral received or pledged is compared daily to the value of the swap contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. Swaps are valued daily based on market quotations received from independent pricing services or recognized dealers and the change in value is recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the seller of credit protection is required to take delivery (or, in a cash settled swap, pay the settlement amount determined) upon occurrence of a credit event, periodic payments are made, or the swap terminates, at which time realized gain (loss) is recorded. The net premium to be received or paid by the portfolio under swap contracts is accrued daily and recorded as realized gain (loss) over the life of the contract.

During the year ended December 31, 2023, the portfolio's average amounts of investments in credit protection sold and credit protection purchased represented less than 1% of net assets, based on the average of the notional amounts at each quarter-end during the period. The portfolio had no open credit default swap contracts at December 31, 2023.

- 8. Federal Income Taxes: The portfolio intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The portfolio's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the portfolio's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the portfolio's financial statements.
- 9. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 10. Securities Lending: To earn additional income, the portfolio lends its securities to qualified institutional borrowers. Security loans are subject to termination by the portfolio at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The portfolio further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the portfolio may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the portfolio; however, such actions may be subject to legal proceedings. While collateral mitigates counterparty risk, in the event of a default, the portfolio may experience delays

and costs in recovering the securities loaned. The portfolio invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the portfolio is entitled to all distributions made on or in respect of the loaned securities.

11. Credit Facilities and Interfund Lending Program: The portfolio and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the portfolio's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the portfolio's board of trustees and included in Management and Administrative expenses on the portfolio's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the portfolio and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the portfolio may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the portfolio's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the portfolio did not utilize the credit facilities or the Interfund Lending Program.

12. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Premiums and discounts on debt securities are amortized and accreted, respectively, to interest income over the lives of the respective securities, except for premiums on certain callable debt securities that are amortized to the earliest call date. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.

Taxes on foreign dividends and capital gains have been provided for in accordance with the applicable countries' tax rules and rates. Deferred foreign capital gains tax, if any, is accrued daily based upon net unrealized gains. The portfolio has filed tax reclaims for previously withheld taxes on dividends earned in certain European Union countries. These fillings are subject to various administrative and judicial proceedings within these countries. Amounts related to these reclaims are recorded when there are no significant uncertainties as to the ultimate resolution of proceedings, the likelihood of receipt of these reclaims, and the potential timing of payment. Such tax reclaims and related professional fees, if any, are included in dividend income and other expenses, respectively.

- **B.** Wellington Management Company LLP provides investment advisory services to the portfolio for a fee calculated at an annual percentage rate of average net assets. The basic fee is subject to quarterly adjustments based on the portfolio's performance relative to the combined index comprising the S&P 500 Index and the Bloomberg Barclays U.S. Credit A or Better Bond Index for the preceding three years. For the year ended December 31, 2023, the investment advisory fee represented an effective annual basic rate of 0.05% of the portfolio's average net assets, before a net decrease of \$38,000 (0.00%) based on performance.
- C. In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the portfolio, Vanguard furnishes to the portfolio corporate management, administrative,

marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the portfolio based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the portfolio may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the portfolio had contributed to Vanguard capital in the amount of \$104,000, representing less than 0.01% of the portfolio's net assets and 0.04% of Vanguard's capital received pursuant to the FSA. The portfolio's trustees and officers are also directors and employees, respectively, of Vanguard.

- D. The portfolio has asked its investment advisor to direct certain security trades, subject to obtaining the best price and execution, to brokers who have agreed to rebate to the portfolio part of the commissions generated. Such rebates are used solely to reduce the portfolio's management and administrative expenses. The portfolio's custodian bank has also agreed to reduce its fees when the portfolio maintains cash on deposit in the non-interest-bearing custody account. For the year ended December 31, 2023, these arrangements reduced the portfolio's management and administrative expenses by \$3,000 and custodian fees by \$6,000. The total expense reduction represented an effective annual rate of less than 0.01% of the portfolio's average net assets.
- E. Various inputs may be used to determine the value of the portfolio's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.
- Level 1—Quoted prices in active markets for identical securities.
- **Level 2**—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

**Level 3**—Significant unobservable inputs (including the portfolio's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the portfolio's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

	Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)	Total (\$000)
Investments				
Assets				
Common Stocks	1,945,909	167,812	_	2,113,721
U.S. Government and Agency Obligations	_	263,871	_	263,871
Asset-Backed/Commercial Mortgage-Backed Securities	_	31,735	_	31,735
Corporate Bonds	_	739,472	_	739,472
Sovereign Bonds	_	7,622	_	7,622
Taxable Municipal Bonds	_	51,942	_	51,942
Temporary Cash Investments	12	43,300	_	43,312
Total	1,945,921	1,305,754	_	3,251,675
Derivative Financial Instruments				
Liabilities				
Futures Contracts <sup>1</sup>	142	_	_	142

<sup>1</sup> Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

## F. At December 31, 2023, the fair values of derivatives were reflected in the Statement of Assets and Liabilities as follows:

	Interest Rate	Credit	
	Contracts	Contracts	Total
Statement of Assets and Liabilities	(\$000)	(\$000)	(\$000)
Unrealized Depreciation—Futures Contracts <sup>1</sup>	142	_	142
Total Liabilities	142	_	142

<sup>1</sup> Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

Realized net gain (loss) and the change in unrealized appreciation (depreciation) on derivatives for the year ended December 31, 2023, were:

Realized Net Gain (Loss) on Derivatives	Interest Rate Contracts (\$000)	Credit Contracts (\$000)	Total (\$000)
Futures Contracts	158	_	158
Swap Contracts	_	(137)	(137)
Realized Net Gain (Loss) on Derivatives	158	(137)	21
Change in Unrealized Appreciation (Depreciation) on Derivatives			
Futures Contracts	(272)	_	(272)
Change in Unrealized Appreciation (Depreciation) on Derivatives	(272)	_	(272)

G. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable foreign currency transactions and swap agreements were reclassified between the individual components of total distributable earnings (loss).

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to the deferral of losses from wash sales; the deferral of losses from straddles; the recognition of unrealized gains or losses from certain derivative contracts; and the treatment of amortization adjustments from certain fixed income securities. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

	Amount (\$000)
Undistributed Ordinary Income	82,020
Undistributed Long-Term Gains	159,288
Net Unrealized Gains (Losses)	444,156
Capital Loss Carryforwards	_
Qualified Late-Year Losses	_
Other Temporary Differences	_
Total	685,464

The tax character of distributions paid was as follows:

	Year Ended December 31,	
	2023 Amount (\$000)	2022 Amount (\$000)
Ordinary Income*	66,515	102,569
Long-Term Capital Gains	128,901	272,635
Total	195,416	375,204

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	2,807,707
Gross Unrealized Appreciation	588,229
Gross Unrealized Depreciation	(144,261)
Net Unrealized Appreciation (Depreciation)	443,968

**H.** During the year ended December 31, 2023, the portfolio purchased \$843,938,000 of investment securities and sold \$1,083,345,000 of investment securities, other than U.S. government securities and temporary cash investments. Purchases and sales of U.S. government securities were \$396,557,000 and \$410,217,000, respectively.

I. Capital shares issued and redeemed were:

	Year Ended December 31,	
	2023 Shares (000)	2022 Shares (000)
Issued	8,261	13,936
Issued in Lieu of Cash Distributions	9,486	15,732
Redeemed	(22,408)	(18,314)
Net Increase (Decrease) in Shares Outstanding	(4,661)	11,354

J. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the portfolio's investments and portfolio performance.

To the extent the portfolio's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the portfolio may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

Credit risk is the risk that a counterparty to a transaction or an issuer of a financial instrument will fail to pay interest and principal when due, or that perceptions of the issuer's ability to make such payments will cause the price of an investment to decline. Investment in debt securities will generally increase credit risk.

The use of derivatives may expose the portfolio to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the portfolio's use of derivative(s) and the specific risks associated is described under significant accounting policies.

At December 31, 2023, one shareholder (an insurance company separate account whose holdings in the portfolio represent the indirect investment of Vanguard Variable Annuity contract holders) was the record or beneficial owner of 65% of the portfolio's net assets. If this shareholder were to redeem its investment in the portfolio, the redemption might result in an increase in the portfolio's expense ratio, cause the portfolio to incur higher transaction costs, or lead to the realization of taxable capital gains.

K. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

## Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Variable Insurance Funds and Shareholders of Balanced Portfolio

#### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Balanced Portfolio (one of the portfolios constituting Vanguard Variable Insurance Funds, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

#### **Basis for Opinion**

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 16, 2024

We have served as the auditor of one or more investment companies in The Vanguard Group of Funds since 1975.

#### Tax information (unaudited)

For corporate shareholders, 31.3%, or if subsequently determined to be different, the maximum percentage allowable by law, of ordinary income (dividend income plus short-term gains, if any) for the fiscal year qualified for the dividends-received deduction.

The portfolio hereby designates \$6,650,000, or if subsequently determined to be different, the maximum amount allowable by law, of interest earned from obligations of the U.S. government which is generally exempt from state income tax.

The portfolio distributed \$128,901,000 as capital gain dividends (20% rate gain distributions) to shareholders during the fiscal year.

The portfolio hereby designates 60.4%, or if subsequently determined to be different, the maximum percentage allowable by law, of ordinary income dividends eligible to be treated as interest income for purposes of Section 163(j) and the regulations thereunder for the fiscal year.

## Trustees Approve Advisory Arrangement

The board of trustees of Vanguard Variable Insurance Funds Balanced Portfolio has renewed the portfolio's investment advisory arrangement with Wellington Management Company LLP (Wellington Management). The board determined that renewing the portfolio's advisory arrangement was in the best interests of the portfolio and its shareholders.

The board based its decision upon an evaluation of the advisor's investment staff, portfolio management process, and performance. This evaluation included information provided to the board by Vanguard's Portfolio Review Department, which is responsible for fund and advisor oversight and product management. The Portfolio Review Department met regularly with the advisor and made presentations to the board during the fiscal year that directed the board's focus to relevant information and topics.

The board, or an investment committee made up of board members, also received information throughout the year during advisor presentations. For each advisor presentation, the board was provided with letters and reports that included information about, among other things, the advisory firm and the advisor's assessment of the investment environment, portfolio performance, and portfolio characteristics.

In addition, the board received periodic reports throughout the year, which included information about the portfolio's performance relative to its peers and benchmark, as applicable, and updates, as needed, on the Portfolio Review Department's ongoing assessment of the advisor.

Prior to their meeting, the trustees were provided with a memo and materials that summarized the information they received over the course of the year. They also considered the factors discussed below, among others. However, no single factor determined whether the board approved the arrangement. Rather, it was the totality of the circumstances that drove the board's decision.

#### Nature, extent, and quality of services

The board reviewed the quality of the portfolio's investment management services over both the short and long term; it also took into account the organizational depth and stability of the advisor. The board considered that Wellington Management, founded in 1928, is among the nation's oldest and most respected institutional investment managers. The portfolio managers leverage tenured teams of equity and fixed income research analysts who conduct detailed fundamental analysis of their respective industries and companies. In managing the equity portion of the portfolio, the advisor employs a bottom-up, fundamental research approach focusing on high-quality companies with above-average yields, strong balance sheets, sustainable competitive advantages, and attractive valuations. In managing the fixed income portion of the portfolio, the advisor focuses on investment-grade corporate bonds. The firm has advised the portfolio since its inception in 1991.

The board concluded that the advisor's experience, stability, depth, and performance, among other factors, warranted continuation of the advisory arrangement.

#### Investment performance

The board considered the short- and long-term performance of the portfolio, including any periods of outperformance or underperformance compared with a relevant benchmark index and peer group. The board concluded that the performance was such that the advisory arrangement should continue.

#### Cost

The board concluded that the portfolio's expense ratio was below the average expense ratio charged by funds in its peer group and that the portfolio's advisory fee rate was also below the peer-group average.

The board did not consider the profitability of Wellington Management in determining whether to approve the advisory fee, because Wellington Management is independent of Vanguard and the advisory fee is the result of arm's-length negotiations.

#### The benefit of economies of scale

The board concluded that the portfolio's shareholders benefit from economies of scale because of breakpoints in the portfolio's advisory fee schedule. The breakpoints reduce the effective rate of the fee as the portfolio's assets increase.

The board will consider whether to renew the advisory arrangement again after a one-year period.

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## The People Who Govern Your Fund

The trustees of your mutual fund are there to see that the fund is operated and managed in your best interests since, as a shareholder, you are a part owner of the fund. Your fund's trustees also serve on the board of directors of The Vanguard Group, Inc., which is owned by the Vanguard funds and provides services to them.

A majority of Vanguard's board members are independent, meaning that they have no affiliation with Vanguard or the funds they oversee, apart from the sizable personal investments they have made as private individuals. The independent board members have distinguished backgrounds in business, academia, and public service. Each of the trustees and executive officers oversees 208 Vanguard funds

Information for each trustee and executive officer of the fund appears below. That information, as well as the Vanguard fund count, is as of the date on the cover of this fund report. The mailing address of the trustees and officers is P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the *Statement of Additional Information*, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at vanguard.com.

#### Interested Trustee<sup>1</sup>

#### Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chairman of the board (2019-present) of Vanguard and of each of the investment companies served by Vanguard; chief executive officer (2018-present) of Vanguard; chief executive officer, president, and trustee (2018-present) of each of the investment companies served by Vanguard; president and director (2017-present) of Vanguard; and president (2018-present) of Vanguard Marketing Corporation. Chief investment officer (2013-2017), managing director (2002-2017), head of the Retail Investor Group (2006-2012), and chief information officer (2001-2006) of Vanguard. Member of the board of governors of the Investment Company Institute and the board of governors of FINRA.

#### Independent Trustees

#### Tara Bunch

Born in 1962. Trustee since November 2021. Principal occupation(s) during the past five years and other experience: head of global operations at Airbnb (2020–present). Vice president of AppleCare (2012–2020). Member of the board of directors of Out & Equal, the advisory board of the University of California, Berkeley School of Engineering, and the advisory board of Santa Clara University's Leavey School of Business.

#### Emerson U. Fullwood

Born in 1948. Trustee since January 2008. Principal occupation(s) during the past five years and other experience: executive chief staff and marketing officer for North America and corporate vice president (retired 2008) of Xerox Corporation (document management products and services). Former president of the Worldwide Channels Group, Latin America, and Worldwide Customer Service and executive chief staff officer of Developing Markets of Xerox. Executive in residence and 2009-2010 Distinguished Minett Professor at the Rochester Institute of Technology. Member of the board of directors of the University of Rochester Medical Center, the Monroe Community College Foundation, the United Way of Rochester, North Carolina A&T University, Roberts Wesleyan College, and the Rochester Philharmonic Orchestra. Trustee of the University of Rochester.

#### F. Joseph Loughrey

Born in 1949. Trustee since October 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer

(retired 2009) and vice chairman of the board (2008–2009) of Cummins Inc. (industrial machinery). Director of the V Foundation. Member of the advisory council for the College of Arts and Letters at the University of Notre Dame. Chairman of the board of Saint Anselm College.

#### Mark Loughridge

Born in 1953. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: senior vice president and chief financial officer (retired 2013) of IBM (information technology services). Fiduciary member of IBM's Retirement Plan Committee (2004–2013), senior vice president and general manager (2002–2004) of IBM Global Financing, vice president and controller (1998–2002) of IBM, and a variety of other prior management roles at IBM. Member of the Council on Chicago Booth.

#### Scott C. Malpass

Born in 1962. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: co-founder and managing partner (2022–present) of Grafton Street Partners (investment advisory firm). Chief investment officer (retired 2020) and vice president (retired 2020) of the University of Notre Dame. Chair of the board of Catholic Investment Services, Inc. (investment advisors). Member of the board of superintendence of the Institute for the Works of Religion, the Notre Dame 403(b) Investment Committee, and the board of directors of Paxos Trust Company (finance).

#### Deanna Mulligan

Born in 1963. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chief executive officer of Purposeful (advisory firm for CEOs and C-level executives; 2021–present). Board chair (2020), chief executive officer (2011–2020), and president (2010–2019) of The Guardian Life Insurance Company of America. Chief operating officer (2010–2011) and executive vice president (2008–2010) of Individual Life and Disability of the Guardian Life Insurance Company of America. Director of DuPont. Member of the board of the Economic Club of New York. Trustee of the Partnership for New York City (business leadership), Chief Executives for Corporate Purpose, and the NewYork-Presbyterian Hospital.

#### André F. Perold

Born in 1952. Trustee since December 2004. Principal occupation(s) during the past five years and other experience: George Gund Professor of Finance and Banking, Emeritus at the Harvard Business School (retired 2011). Chief investment officer and partner of HighVista Strategies (private investment firm).

Member of the board of RIT Capital Partners (investment firm).

#### Sarah Bloom Raskin

Born in 1961. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: deputy secretary (2014–2017) of the United States Department of the Treasury. Governor (2010–2014) of the Federal Reserve Board.

Commissioner (2007–2010) of financial regulation for the State of Maryland. Colin W. Brown Distinguished Professor of the Practice of Law, Duke Law School (2021–present); Rubenstein Fellow, Duke University (2017–2020); Distinguished Fellow of the Global Financial Markets Center, Duke Law School (2020–2022); and Senior Fellow, Duke Center on Risk (2020–present). Partner of Kaya Partners (climate policy advisory services). Member of the board of directors of Arcadia (energy solution technology).

#### Grant Reid

Born in 1959. Trustee since July 2023. Principal occupation(s) during the past five years and other experience: chief executive officer and president (2014–2022) and member of the board of directors (2015–2022) of Mars, Incorporated (multinational manufacturer). Member of the board of directors of Marriott International, Inc. Chair of Agribusiness Task Force, Sustainable Markets Initiative.

#### **David Thomas**

Born in 1956. Trustee since July 2021. Principal occupation(s) during the past five years and other experience: president of Morehouse College (2018–present). Professor of business administration, emeritus at Harvard University (2017–2018). Dean (2011–2016) and professor of management (2016–2017) at the Georgetown University McDonough School of Business. Director of DTE Energy Company. Trustee of Common Fund.

#### Peter F. Volanakis

Born in 1955. Trustee since July 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2010) of Corning Incorporated (communications equipment) and director of Corning Incorporated (2000–2010) and Dow Corning (2001–2010). Director (2012) of SPX Corporation (multi-industry manufacturing). Overseer of the Amos Tuck School of Business Administration, Dartmouth College (2001–2013). Member of the BMW Group Mobility Council.

#### **Executive Officers**

#### Jacqueline Angell

Born in 1974. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief compliance officer (November 2022–present) of Vanguard and of each of the investment companies served by Vanguard. Chief compliance officer (2018–2022) and deputy chief compliance officer (2017–2019) of State Street.

#### Christine M. Buchanan

Born in 1970. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief financial officer (2021–present) and treasurer (2017–2022) of each of the investment companies served by Vanguard. Partner (2005–2017) at KPMG (audit, tax, and advisory services).

#### John Galloway

Born in 1973. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Investment stewardship officer (September 2020–present) of each of the investment companies served by Vanguard. Head of Investor Advocacy (February 2020–present) and head of Marketing Strategy and Planning (2017–2020) at Vanguard. Special assistant to the President of the United States (2015).

#### Ashley Grim

Born in 1984. Principal occupation(s) during the past five years and other experience: treasurer (February 2022–present) of each of the investment companies served by Vanguard. Fund transfer agent controller (2019–2022) and director of Audit Services (2017–2019) at Vanguard. Senior manager (2015–2017) at PriceWaterhouseCoopers (audit and assurance, consulting, and tax services).

#### Jodi Miller

Born in 1980. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Finance director (2022–present) of each of the investment companies served by Vanguard. Head of Enterprise Investment Services (2020–present), head of Retail Client Services and Operations (2020–2022), and head of Retail Strategic Support (2018–2020) at Vanguard.

#### Anne F. Robinson

Born in 1970. Principal occupation(s) during the past five years and other experience: general counsel (2016–present) of Vanguard. Secretary (2016–present) of Vanguard and of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Managing director and general counsel of Global Cards and Consumer Services (2014–2016) at Citigroup. Counsel (2003–2014) at American Express. Nonexecutive director (2022–present) of the board of National Grid (energy).

#### Michael Rollings

Born in 1963. Principal occupation(s) during the past five years and other experience: finance director (2017–present) and treasurer (2017) of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Chief financial officer (2016–present) of Vanguard. Director (2016–present) of Vanguard Marketing Corporation. Executive vice president and chief financial officer (2006–2016) of MassMutual Financial Group.

#### Vanguard Senior Management Team

Matthew Benchener Joseph Brennan Mortimer J. Buckley Gregory Davis John James Chris D. McIsaac Thomas M. Rampulla Karin A. Risi Anne E. Robinson Michael Rollings Nitin Tandon Lauren Valente

# **Vanguard**

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All comparative mutual fund data are from Morningstar, Inc., unless otherwise noted.

You can review information about your fund on the SEC's website, and you can receive copies of this information, for a fee, by sending a request via email addressed to publicinfo@sec.gov.

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Annual Report | December 31, 2023

# Vanguard Variable Insurance Funds

Equity Index Portfolio

See the inside front cover for important information about your fund's annual and semiannual shareholder reports.

## Important information about shareholder reports

Beginning in July 2024, amendments adopted by the Securities and Exchange Commission will substantially impact the design, content, and transmission of shareholder reports. Shareholder reports will provide key fund information in a clear and concise format and must be mailed to each shareholder that has not elected to receive the reports electronically. Financial statements will no longer be included in the shareholder report but will be available at vanguard.com, can be mailed upon request, or can be accessed on the SEC's website at www.sec.gov.

You may elect to receive shareholder reports and other communications from the fund electronically by contacting your financial intermediary (such as a broker-dealer or bank) or, if you invest directly with the fund, by calling Vanguard at one of the phone numbers on the back cover of this report or by logging on to vanguard.com.

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## Your Portfolio's Performance at a Glance

- The financial markets delivered robust returns for the 12 months ended December 31, 2023. The Equity Index Portfolio returned 26.11%, in line with the 26.29% return of its benchmark, the Standard & Poor's 500 Index.
- With inflation continuing to ease, a number of major central banks slowed and eventually stopped hiking interest rates. Global growth, employment, and consumer spending showed resilience, but the prospect of rates remaining high for an extended period spurred volatility at times. Toward year end, however, global stocks and bonds rallied as falling inflation and softening economic growth raised market expectations for rate cuts in 2024.
- Within the U.S. equity market, large-cap stocks outpaced small-caps during the period, and growth stocks outpaced value by a substantial margin. Within the benchmark index, most sectors had double-digit gains, with information technology stocks accounting for more than half of the index's total return. Only energy and utilities posted negative returns.
- For the 10 years ended December 31, 2023, the portfolio recorded an average annual return of 11.88%, in line with its benchmark average of 12.03%.
- Please note that the portfolio's returns may be different from those in variable annuity products that invest in the portfolio, which take insurance-related expenses into account.

#### Market Barometer

	Periods Ended December 31, 2023		
	One Year	Three Years	Five Years
Stocks			
Russell 1000 Index (Large-caps)	26.53%	8.97%	15.52%
Russell 2000 Index (Small-caps)	16.93	2.22	9.97
Russell 3000 Index (Broad U.S. market)	25.96	8.54	15.16
FTSE All-World ex US Index (International)	15.82	1.98	7.52
Bonds			
Bloomberg U.S. Aggregate Float Adjusted Index (Broad taxable market)	5.60%	-3.33%	1.17%
Bloomberg Municipal Bond Index (Broad tax-exempt market)	6.40	-0.40	2.25
FTSE Three-Month U.S. Treasury Bill Index	5.26	2.24	1.91
CPI			
Consumer Price Index	3.35%	5.60%	4.07%

Average Annual Total Returns

# About Your Portfolio's Expenses

As a shareholder of the portfolio, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a portfolio's gross income, directly reduce the investment return of the portfolio.

A portfolio's expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your portfolio and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your portfolio's costs in two ways:

• Based on actual portfolio return. This section helps you to estimate the actual expenses that you paid over the period. The "Ending Account Value" shown is derived from the portfolio's actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the portfolio. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your portfolio under the heading "Expenses Paid During Period."

• Based on hypothetical 5% yearly return. This section is intended to help you compare your portfolio's costs with those of other mutual funds. It assumes that the portfolio had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the portfolio's actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your portfolio's costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the portfolio for buying and selling securities. The portfolio's expense ratio does not reflect additional fees and expenses associated with the annuity or life insurance program through which you invest.

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the portfolio's expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your portfolio's current prospectus.

#### Six Months Ended December 31, 2023

Equity Index Portfolio	Beginning Account Value 6/30/2023	Ending Account Value 12/31/2023	Expenses Paid During Period
Based on Actual Portfolio Return	\$1,000.00	\$1,079.60	\$0.73
Based on Hypothetical 5% Yearly Return	1,000.00	1,024.50	0.71

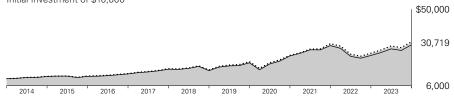
The calculations are based on expenses incurred in the most recent six-month period. The portfolio's annualized six-month expense ratio for that period is 0.14%. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (184/365).

# **Equity Index Portfolio**

# **Performance Summary**

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the portfolio. (Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance.) Note, too, that both investment returns and principal value can fluctuate widely, so an investor's shares, when sold, could be worth more or less than their original cost. The returns shown do not reflect taxes that a shareholder would pay on portfolio distributions or on the sale of portfolio shares. Nor do the returns reflect fees and expenses associated with the annuity or life insurance program through which a shareholder invests. If these fees and expenses were included, the portfolio's returns would be lower.

# Cumulative Performance: December 31, 2013, Through December 31, 2023 Initial Investment of \$10,000



#### Average Annual Total Returns Periods Ended December 31, 2023

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Equity Index Portfolio	26.11%	15.52%	11.88%	\$30,719
S&P 500 Index	26.29	15.69	12.03	31,149
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

## Portfolio Allocation

As of December 31, 2023

Communication Services	8.6%
Consumer Discretionary	10.8
Consumer Staples	6.2
Energy	3.9
Financials	13.0
Health Care	12.6
Industrials	8.8
Information Technology	28.9
Materials	2.4
Real Estate	2.5
Utilities	2.3

The table reflects the portfolio's investments, except for short-term investments and derivatives. Sector categories are based on the Global Industry Classification Standard ("GICS"), except for the "Other" category (if applicable), which includes securities that have not been provided a GICS classification as of the effective reporting period.

The portfolio may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

The Global Industry Classification Standard ("GICS") was developed by and is the exclusive property and a service mark of MSCI Inc. ("MSCI") and Standard and Poor's, a division of McGraw-Hill Companies, Inc. ("S&P"), and is licensed for use by Vanguard. Neither MSCI, S&P nor any third party involved in making or compiling the GICS or any GICS classification makes any express or implied warranties or representations with respect to such standard or classification (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any such standard or classification. Without limiting any of the foregoing, in no event shall MSCI, S&P, any of its affiliates or any third party involved in making or compiling the GICS or any GICS classification have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.

# **Financial Statements**

# Schedule of Investments

As of December 31, 2023

The portfolio files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The portfolio's Form N-PORT reports are available on the SEC's website at www.sec.gov.

Carmine Strokes (98-4%)   Carmine Corp		Shares	Market Value* (\$000)		Shares	Market Value* (\$000)
MetaPhetism in Citas A   1,365,291   183,201   Pool Corp.   8,491   3,252   MetaPhetism in Citas A   508,331   1979;292   Bast Bay Co. Inc.   44,401   3,476	Common Stocks (99.4%)			* Carnival Corp.	230,722	4,278
Alphabet Inc. Class A   3,355,231   189,322   Proof. Corp.   8,847   3,557   3,476	Communication Services (8.5%)					,
• Meter Partforms Inc. Class A         508,331         179,999         Best Bly Co. Inc.         41,401         3,479         3,479           • Netfits Inc.         100,238         48,804         LVC Comp.         61,432         2,333           Wart Dianey Co.         419,073         3,283         2,303         2,303           Wart Dianey Co.         419,073         3,783         6,000         4,000         2,372           Wart Dianey Co.         419,073         3,783         6,000         6,000         4,017         2,317           Wart Davis Communications Inc. Class A         962,281         30,288         8,000         2,241         6,000         2,239         2,220           Live Notice Inc.         55,997         7,691         Norregain Cruise Line Holdings Ltd.         2,201         2,012         1,943         1,944         1,944         1,944         1,944         1,944         1,944         1,944         1,944         1,944 <td>, ,</td> <td>1,355,291</td> <td>189,321</td> <td>•</td> <td>,</td> <td></td>	, ,	1,355,291	189,321	•	,	
Migration Includes   1,00238   1,0	and the state of t			·		
MGM Resorts International   67.513   2,788   WGM Resorts International   67.513   2,788   West Description   696,200   36,298   West Description   696,200   36,298   West Description   696,200   36,298   Carlydas Inc.   59,008   2,2478   Esty linc.   59,008   2,2478   Esty linc.   59,008   2,2478   Esty linc.   59,008   2,2458   Esty lin	* Alphabet Inc. Class C	1,140,701	160,759		,	
March Color Colors   18,003   27,88   Cardwar Inc.   93,233   7,788   Weitzen Coron United State   18,002   32,289   Bath & Body Works Inc.   52,008   2,245   Etay Inc.   27,2478   Bath & Body Works Inc.   52,008   2,245   Etay Inc.   22,001   2,002	* Netflix Inc.	100,238	48,804		,	
Varient Communications Inc. 98,000 98,289   Caesar's Entertainment Inc. 98,000 92,281   Saft & Body Works Inc. 92,008   24,217   Saft & Saf	Comcast Corp. Class A	919,703				
AT&T   Inc.	,					
Technolis US Inc.					,	
Charter Communications Inc. Class A   23,014   3965   Whynn Resorts Ltd.   22,081   7,0915   1,349				and the second s		
Beatronic Arthonic   1.0385   1.939				,		
Take-Two Interactive Software Inc.						,
Warmer Brison Discoveryr Inc.   508,626   5,788   Whirpool Corp.   1,255   1,525   1				ŭ ŭ	,	
Commitment Group Inc.					,	
Chies Nation Enteriariment Inc.	·			· ·	,	
Match Group Inc	·			·		
Mew Corp. Class A   8710   2,269   Ralph Lauren Corp. Class A   9,077   1,309   New Corp. Class A   8710   2,138   Mohawk Industries Inc.   12,068   1,205   137   137   138   New Corp. Class B   10,29   137   137   138   New Corp. Class B   10,29   137   137   138   New Corp. Class B   10,29   137   137   138   New Corp. Class B   30,418   841   Consumer Staples (6.1%)   14,000   15,000   10,00				VF Corp.	75,544	1,420
New Corp. Class A   56,421   1,634   1,634   1,635   1,249   1,026   1,249   1,026	·			Ralph Lauren Corp. Class A	9,077	1,309
Fox Corp. Class A   56,421   1,674				* Mohawk Industries Inc.	12,068	1,249
Paramount Global Class B   09.9 y 1,627   Fox Corp. Class B   30.418   30.418   67.2   Fox Corp. Class B   26.124   67.2   Fox Corp. Class B   28.675   316,442   Coca-Cola Co.   8.91 o.059   52.510   27.510	,			Lennar Corp. Class B	1,025	137
Process   Proc	·				·	994.947
News Corp. Class B				Consumer Staples (6.1%)		00 .,0 .,
Page   Consumer   Discretionary   (10.8%)   Pepsic   Consumer	·			· · ·	539.700	79.088
Consumer Discretionary (10.8%)				Costco Wholesale Corp.	,	
Amazon.com Inc.         2,082,675         316,442         Coca-Cola Co.         891,059         52,510           Tesla Inc.         633,375         157,382         Wallmart Inc.         326,691         51,503         33,446           Home Depot Inc.         229,033         79,371         Mondelez International Inc.         355,503         33,446           MIKE Inc. Class B         280,335         30,436         Altria Group Inc.         405,038         16,339           Lowe's Cos. Inc.         132,171         29,415         Target Corp.         105,721         15,036           Starbucks Corp.         261,705         25,126         Monster Beverage Corp.         189,207         19,722           TiX Cos. Inc.         261,705         25,126         Monster Beverage Corp.         199,275         9,752           Chipotte Mexican Grill Inc. Class A         99,585         13,557         Archer-Daniels-Mildland Co.         122,277         8,831           Lululemon Athletica Inc.         26,379         13,487         General Mils Inc.         332,588         8,680           O'Reilly Automotive Inc.         13,553         12,876         Kenvue Inc.         34,662         8,498           General Motors Co.         901,127         19,985         Kenvue Inc.	Consumer Discretionary (10.8%)		700,721	PepsiCo Inc.		
Tesla Inc.	• • • • • • • • • • • • • • • • • • • •	2 082 675	316 442	Coca-Cola Co.	891,059	52,510
Home Depot Inc.   229,033   79,371   Philip Morris International Inc.   355,503   33,4366   MocDonald's Corp.   166,131   49,260   Mondez International Inc. Class A   311,481   22,561		, ,		Walmart Inc.	326,691	51,503
McDonald's Corp.   166   131   49.260   Mondelez International Inc. Class A   311,481   22,561     NIKE Inc. Class B   280,335   30,436   Altria Group Inc.   405,038   16,339     Lowe's Cos. Inc.   132,171   29,415   Target Corp.   105,721   15,057     Booking Holdings Inc.   7,992   28,349   Colgate-Palmolive Co.   188,630   15,036     Starbucks Corp.   261,705   25,126   Monster Beverage Corp.   169,275   9,752     TJX Cos. Inc.   261,993   24,578   Kimberly-Clark Corp.   77,412   9,406     Chipotle Mexican Grill Inc. Class A   6,287   14,378   Constellation Brands Inc. Class A   37,004   8,366     Altrio Liass A   9,9565   13,557   Archer-Daniels-Midland Co.   122,277   8,831     Lululemon Athletica Inc.   26,379   13,487   General Mills Inc.   334,682   8,486     O'Reilly Automotive Inc.   135,551   12,276   Sysco Corp.   115,360   8,436     General Motors Co.   313,795   11,272   Estee Lauder Cos. Inc. Class A   53,259   7,789     Ross Stores Inc.   7,7600   10,739   Kroger Co.   151,419   6,921     Ollar General Corp.   50,279   6,851     Altrio Moridwide Holdings Inc.   64,175   8,385   Malor Corp.   182,396   6,405     AutoZone Inc.   4,041   10,448   Kraft Heinz Co.   142,389   6,803     Aptivo Pic.   113,732   5,179   Fysion Foods Inc. Class A   65,610   3,542     Aptivo Pic.   113,732   5,179   Fysion Foods Inc. Class A   65,160   3,502     Aptivo Pic.   113,732   5,179   Fysion Foods Inc. Class A   65,160   3,502     Aptivo Pic.   113,732   5,179   Fysion Foods Inc. Class A   65,160   3,502     Expedia Group Inc.   17,760   11,772   5,689   Bunge Global SA   33,237   3,381     Expedia Group Inc.   24,379   3,381   Lamb Weston Holdings Inc.   109,410   3,136     Expedia Group Inc.   27,508   4,500   Molson Coors Beverage Co. Class B   42,342   2,592     Aptivo Pic.   11,610   5,518   Lamb Weston Holdings Inc.   109,410   3,136     Expedia Group Inc.   27,508   4,500   Molson Coors Beverage Co. Class B   42,342   2,592     Aptivo Pic.   11,610   13,160   13,160   13,160   13,160   13,160   13,160				Philip Morris International Inc.	355,503	33,446
NIKE Inc. Class B	·				,	
Lowe's Cos. Inc.   132,171   29,415   Target Corp.   105,721   15,057   15,036   Starbucks Corp.   261,705   25,126   Monster Beverage Corp.   169,275   9,752   7,7412   9,406   Monster Beverage Corp.   169,275   9,752   7,7412   9,406   Monster Beverage Corp.   169,275   9,752   7,7412   9,406   Monster Beverage Corp.   169,275   9,752   Monster Beverage Corp.   169,275   9,762   Monster Beverage Corp.   169,275   9,462   Monster Beverage Corp.   169,275   9,762   Monster Beverage Corp.   1				·	,	
Booking Holdings Inc.   7,992   28,349   Colgate-Palmolive Co.   188,630   15,036   Starbucks Corp.   261,705   25,126   Monster Beverage Corp.   169,275   9,752   7,100   7,412   9,406   7,410   1,00   7,412   9,406   7,410   1,00   7,412   9,406   7,410   1,00   7,412   9,406   7,410   1,00   7,412   9,406   7,40   7,410   1,00   7,412   9,406   7,40   7,410   1,00   7,412   9,406   7,40   7,410   7,410   7,412   9,406   7,40   7,410   7,412   9,406   7,40   7,40   7,412   9,406   7,40   7,40   7,412   9,406   7,40					,	
Starbucks Corp.   261,705   25,126   Monster Beverage Corp.   169,275   9,752   7,7412   9,465   9,465   1,376   1,3				•	,	
Chipotle Mexican Grill Inc. Class A   6,287   14,378   Constellation Brands Inc. Class A   37,004   8,946	Starbucks Corp.	261,705		· ·		,
Airhoh Inc. Class A   95,885   13,557   Archer-Daniels-Midland Co.   122,277   8,831	TJX Cos. Inc.	261,993	24,578		,	,
Lululemon Athletica Inc. 26,379 13,487   September 13,557   September 13,557   September 13,557   September 13,557   September 14,276   September 14,276   September 15,558   September	* Chipotle Mexican Grill Inc. Class A	6,287	14,378		,	
Littleffend Affeltica Hilb. O'Reilly Automotive Inc. O'Reill	* Airbnb Inc. Class A	99,585	13,557			
Namion					,	,
Second Notors Co.   313,795   11,272   Estee Lauder Cos. Inc. Class A   53,259   7,789	•				,	
Ford Motor Co.   901,127   10,985   10,701   10,739   1				, ,		,
Ross Stores Inc.   77,600   10,739   Kroger Co.   151,419   6,921						,
Hilton Worldwide Holdings Inc.   58,769   10,701   Dollar General Corp.   50,279   6,835						,
DR Horton Inc.		,				
* AutoZone Inc. Lennar Corp. Class A Lennar Corp. Class A Yum! Brands Inc. * Royal Caribbean Cruises Ltd. Aptiv plc * Ulta Beauty Inc. Tractor Supply Co. PulteGroup Inc. * AltoZone Inc. * AltoZone Inc. * AltoZone Inc. * AltoZone Inc. * Royal Caribbean Cruises Ltd. Aptiv plc * Aptiv plc * Ulta Beauty Inc. * Italian Weston Holdings Inc. * Tractor Supply Co. * Aptiv Brands Inc. * AltoZone Restaurants Inc. * Darden Restaurants Inc. Garmin Ltd. * AltoZone Inc. *	•			· · · · · · · · · · · · · · · · · · ·		,
Lennar Corp. Class A       56,426       8,410       Hershey Co.       34,355       6,405         Yum! Brands Inc.       64,175       8,385       Church & Dwight Co. Inc.       56,491       5,342         * Royal Caribbean Cruises Ltd.       53,915       6,981       Walgreens Boots Alliance Inc.       164,375       4,292         * Aptiv plc       64,873       5,820       Clorox Co.       28,364       4,044         * Ulta Beauty Inc.       11,261       5,518       McCormick & Co. Inc. (Non-Voting)       57,581       3,940         Tractor Supply Co.       24,730       5,318       Lamb Weston Holdings Inc.       33,151       3,583         eBay Inc.       118,732       5,179       Tyson Foods Inc. Class A       65,160       3,502         PulteGroup Inc.       49,323       5,091       Kellanova       60,426       3,378         NVR Inc.       727       5,089       Bunge Global SA       33,237       3,355         * Expedia Group Inc.       30,500       4,630       Conagra Brands Inc.       109,410       3,136         Darden Restaurants Inc.       27,508       4,520       Molson Coors Beverage Co. Class B       42,342       2,592         Garmin Ltd.       35,058       4,506       Molson Coors Bever				Kraft Heinz Co.	182,396	6,745
Yum! Brands Inc.         64,175         8,385         Church & Dwight Co. Inc.         56,491         5,342           * Royal Caribbean Cruises Ltd.         53,915         6,981         Walgreens Boots Alliance Inc.         164,375         4,292           * Aptiv plc         64,873         5,820         Clorox Co.         28,364         4,044           * Ulta Beauty Inc.         11,261         5,518         McCormick & Co. Inc. (Non-Voting)         57,581         3,940           Tractor Supply Co.         24,730         5,318         Lamb Weston Holdings Inc.         33,151         3,583           eBay Inc.         118,732         5,179         Tyson Foods Inc. Class A         65,160         3,502           PulteGroup Inc.         49,323         5,091         Kellanova         60,426         3,378           NVR Inc.         727         5,089         Bunge Global SA         33,237         3,355           * Expedia Group Inc.         30,500         4,630         Conagra Brands Inc.         109,410         3,136           Darden Restaurants Inc.         27,508         4,520         J M Smucker Co.         24,379         3,081           Garmin Ltd.         35,058         4,506         Molson Coors Beverage Co. Class B         42,342         2,592				Hershey Co.	34,355	6,405
* Royal Caribbean Cruises Ltd.         53,915         6,981         Walgreens Boots Alliance Inc.         164,375         4,292           * Aptiv plc         64,873         5,820         Clorox Co.         28,364         4,044           * Ulta Beauty Inc.         11,261         5,518         McCormick & Co. Inc. (Non-Voting)         57,581         3,940           Tractor Supply Co.         24,730         5,318         Lamb Weston Holdings Inc.         33,151         3,583           eBay Inc.         118,732         5,179         Tyson Foods Inc. Class A         65,160         3,502           PulteGroup Inc.         49,323         5,091         Kellanova         60,426         3,378           NVR Inc.         727         5,089         Bunge Global SA         33,237         3,355           * Expedia Group Inc.         30,500         4,630         Conagra Brands Inc.         109,410         3,136           Darden Restaurants Inc.         27,508         4,520         J M Smucker Co.         24,379         3,081           Garmin Ltd.         35,058         4,506         Molson Coors Beverage Co. Class B         42,342         2,592	·			Church & Dwight Co. Inc.		5,342
* Aptiv plc         64,873         5,820         Clorox Co.         28,364         4,044           * Ulta Beauty Inc.         11,261         5,518         McCormick & Co. Inc. (Non-Voting)         57,581         3,940           Tractor Supply Co.         24,730         5,318         Lamb Weston Holdings Inc.         33,151         3,583           eBay Inc.         118,732         5,179         Tyson Foods Inc. Class A         65,160         3,502           PulteGroup Inc.         49,323         5,091         Kellanova         60,426         3,378           NVR Inc.         727         5,089         Bunge Global SA         33,237         3,355           * Expedia Group Inc.         30,500         4,630         Conagra Brands Inc.         109,410         3,136           Darden Restaurants Inc.         27,508         4,520         J M Smucker Co.         24,379         3,081           Garmin Ltd.         35,058         4,506         Molson Coors Beverage Co. Class B         42,342         2,592				Walgreens Boots Alliance Inc.	164,375	4,292
* Ulta Beauty Inc.         11,261         5,518         McCormick & Co. Inc. (Non-Voting)         57,581         3,940           Tractor Supply Co.         24,730         5,318         Lamb Weston Holdings Inc.         33,151         3,583           eBay Inc.         118,732         5,179         Tyson Foods Inc. Class A         65,160         3,502           PulteGroup Inc.         49,323         5,091         Kellanova         60,426         3,378           NVR Inc.         727         5,089         Bunge Global SA         33,237         3,355           Expedia Group Inc.         30,500         4,630         J M Smucker Co.         109,410         3,136           Darden Restaurants Inc.         27,508         4,520         Molson Coors Beverage Co. Class B         42,379         3,081           Garmin Ltd.         35,058         4,506         Molson Coors Beverage Co. Class B         41,006         3,002	,					
Tractor Supply Co.         24,730         5,318         Lamb Weston Holdings Inc.         33,151         3,583           eBay Inc.         118,732         5,179         Tyson Foods Inc. Class A         65,160         3,502           PulteGroup Inc.         49,323         5,091         Kellanova         60,426         3,378           NVR Inc.         727         5,089         Bunge Global SA         33,237         3,355           Expedia Group Inc.         30,500         4,630         Conagra Brands Inc.         109,410         3,136           Darden Restaurants Inc.         27,508         4,520         J M Smucker Co.         24,379         3,081           Garmin Ltd.         35,058         4,506         Molson Coors Beverage Co. Class B         42,242         2,592						
eBay Inc.     118,732     5,179     Iyson Foods Inc. Class A     65,160     3,502       PulteGroup Inc.     49,323     5,091     Kellanova     60,426     3,378       * NVR Inc.     727     5,089     Bunge Global SA     33,237     3,355       * Expedia Group Inc.     30,500     4,630     Conagra Brands Inc.     109,410     3,136       Darden Restaurants Inc.     27,508     4,520     J M Smucker Co.     24,379     3,081       Garmin Ltd.     35,058     4,506     Molson Coors Beverage Co. Class B     42,342     2,592	,			· ·		
PulteGroup Inc.         49,323         5,091         Kellanova         60,426         3,378           * NVR Inc.         727         5,089         Bunge Global SA         33,237         3,355           * Expedia Group Inc.         30,500         4,630         Conagra Brands Inc.         109,410         3,136           Darden Restaurants Inc.         27,508         4,520         J M Smucker Co.         24,379         3,081           Garmin Ltd.         35,058         4,506         Molson Coors Beverage Co. Class B         42,342         2,592	* * *			·		
* NVR Inc.       727       5,089       Bunge Global SA       33,237       3,355         * Expedia Group Inc.       30,500       4,630       Conagra Brands Inc.       109,410       3,136         Darden Restaurants Inc.       27,508       4,520       J M Smucker Co.       24,379       3,081         Garmin Ltd.       35,058       4,506       Molson Coors Beverage Co. Class B       42,342       2,592         Province Course Class B       42,342       2,592	·					
* Expedia Group Inc.       30,500       4,630       Conagra Brands Inc.       109,410       3,136         Darden Restaurants Inc.       27,508       4,520       J M Smucker Co.       24,379       3,081         Garmin Ltd.       35,058       4,506       Molson Coors Beverage Co. Class B       42,342       2,592         Province Corp. Class B       42,342       2,592         Province Corp. Class B       41,006       3,007						
Darden Restaurants Inc.         27,508         4,520         J M Smucker Co.         24,379         3,081           Garmin Ltd.         35,058         4,506         Molson Coors Beverage Co. Class B         42,342         2,592           Province Corn Class B         42,342         2,592           Province Corn Class B         42,342         2,592	* Expedia Group Inc.					
Gdiffill Ltd. 55,036 4,300 Prouse Forman Core Close P. 41,006 2,307	Darden Restaurants Inc.	27,508	4,520			
Genuine Parts Co. 32,114 4,448 Brown-Forman Corp. Class B 41,986 2,397				•		
	Genuine Parts Co.	32,114	4,448	Brown - Orman Corp. Class D	41,980	۷,۵۶/

	Shares	Market Value* (\$000)		Shares	Market Value* (\$000)
Hormel Foods Corp.	66,483	2,135	Discover Financial Services	57,201	6,429
Campbell Soup Co.	44,876	1,940	* Arch Capital Group Ltd. Willis Towers Watson plc	85,407	6,343 5,698
F (0.00()		564,390	Hartford Financial Services Group Inc.	23,622 68,802	5,530
Energy (3.9%) Exxon Mobil Corp.	917,271	91,709	T. Rowe Price Group Inc.	51,118	5,505
Chevron Corp.	402,002	59,963	State Street Corp.	70,591	5,468
ConocoPhillips	271,822	31,550	Fifth Third Bancorp	156,060	5,383
Schlumberger NV	327,124	17,024	M&T Bank Corp.	38,048	5,216
EOG Resources Inc.	133,570	16,155	Raymond James Financial Inc.	43,031	4,798
Phillips 66	100,777	13,417	* FleetCorTechnologies Inc. Nasdaq Inc.	16,518 77,939	4,668 4,531
Marathon Petroleum Corp.	86,976	12,904	Choe Global Markets Inc.	24,162	4,331
Pioneer Natural Resources Co. Valero Energy Corp.	53,402 78,016	12,009 10,142	Huntington Bancshares Inc.	331,368	4,215
Williams Cos. Inc.	278,831	9,712	FactSet Research Systems Inc.	8,689	4,145
ONEOK Inc.	133,554	9,378	Regions Financial Corp.	212,766	4,123
Hess Corp.	63,369	9,135	Northern Trust Corp.	47,436	4,003
Occidental Petroleum Corp.	151,325	9,036	Principal Financial Group Inc.	50,174	3,947
Baker Hughes Co. Class A	230,732	7,886	Brown & Brown Inc. Cincinnati Financial Corp.	54,226 35,888	3,856 3,713
Kinder Morgan Inc.	443,350	7,821	Synchrony Financial	94,654	3,615
Halliburton Co.	204,748	7,402	Citizens Financial Group Inc.	106,662	3,535
Devon Energy Corp. Diamondback Energy Inc.	146,825 40,992	6,651	Everest Group Ltd.	9,944	3,516
Targa Resources Corp.	50,981	6,357 4,429	W R Berkley Corp.	46,658	3,300
Coterra Energy Inc.	172,014	4,390	KeyCorp	214,390	3,087
EQT Corp.	94,084	3,637	Loews Corp.	41,881	2,914
Marathon Oil Corp.	133,821	3,233	Jack Henry & Associates Inc.	16,726	2,733
APA Corp.	70,359	2,524	MarketAxess Holdings Inc. Globe Life Inc.	8,699 19,587	2,548 2,384
	-	356,464	Assurant Inc.	12,030	2,384 2,027
Financials (12.9%)			Franklin Resources Inc.	64,791	1,930
* Berkshire Hathaway Inc. Class B	416,676	148,612	Invesco Ltd.	103,388	1,844
JPMorgan Chase & Co.	662,088	112,621	Comerica Inc.	30,128	1,681
Visa Inc. Class A	365,039	95,038	Zions Bancorp NA	33,798	1,483
Mastercard Inc. Class A Bank of America Corp.	189,640 1,576,846	80,883 53,092		_	1,189,715
Wells Fargo & Co.	831,733	40,938	Health Care (12.5%)		
S&P Global Inc.	74,196	32,685	UnitedHealth Group Inc.	211,820	111,517
Goldman Sachs Group Inc.	74,687	28,812	Eli Lilly & Co.	182,622	106,454
Morgan Stanley	289,435	26,990	Johnson & Johnson	551,289	86,409
BlackRock Inc.	32,022	25,995	Merck & Co. Inc. AbbVie Inc.	580,312 404,326	63,266 62,658
American Express Co.	131,863	24,703	Thermo Fisher Scientific Inc.	88,480	46,964
Charles Schwab Corp.	340,825	23,449	Abbott Laboratories	397,375	43,739
Citigroup Inc. Marsh & McLennan Cos. Inc.	438,352 112,899	22,549 21,391	Pfizer Inc.	1,293,107	37,229
Progressive Corp.	133,983	21,341	Amgen Inc.	122,565	35,301
Blackstone Inc.	162,730	21,305	Danaher Corp.	150,600	34,840
Chubb Ltd.	93,424	21,114	* Intuitive Surgical Inc.	80,623	27,199
* Fiserv Inc.	137,444	18,258	Elevance Health Inc.	53,808	25,374
CME Group Inc.	82,432	17,360	Medtronic plc  * Vertex Pharmaceuticals Inc.	304,656 59,012	25,098 24,011
Intercontinental Exchange Inc.	131,056	16,832	Bristol-Myers Squibb Co.	465,967	23,909
US Bancorp	356,623	15,435	CVS Health Corp.	294,147	23,226
* PayPal Holdings Inc. PNC Financial Services Group Inc.	246,935 91,236	15,164 14,128	Stryker Corp.	77,421	23,184
Moody's Corp.	36,049	14,079	Gilead Sciences Inc.	285,353	23,116
Aon plc Class A	45,865	13,348	* Regeneron Pharmaceuticals Inc.	24,533	21,547
Capital One Financial Corp.	87,268	11,443	Zoetis Inc. Class A	105,144	20,752
Truist Financial Corp.	305,475	11,278	Cigna Group  * Boston Scientific Corp.	67,014	20,067
Arthur J Gallagher & Co.	49,444	11,119	Becton Dickinson & Co.	335,257 66,424	19,381 16,196
American International Group Inc.	160,877	10,899	McKesson Corp.	30,483	14,113
MSCI Inc. Class A Aflac Inc.	18,105	10,241	Humana Inc.	28,205	12,913
Travelers Cos. Inc.	121,882 52,346	10,055 9,971	HCA Healthcare Inc.	45,383	12,284
MetLife Inc.	142,515	9,425	* Dexcom Inc.	88,541	10,987
Bank of New York Mellon Corp.	176,293	9,176	* Edwards Lifesciences Corp.	138,997	10,599
Ameriprise Financial Inc.	23,198	8,811	* IDEXX Laboratories Inc.	19,040	10,568
Prudential Financial Inc.	82,765	8,584	* IQVIA Holdings Inc.	41,929	9,702
Allstate Corp.	59,915	8,387	Agilent Technologies Inc.  * Centene Corp.	67,054 122,219	9,323 9,070
Fidelity National Information Services Inc.	135,737	8,154	* Biogen Inc.	33,166	8,582
Global Payments Inc.	59,588	7,568	Cencora Inc.	38,188	7,843

	Shares	Market Value* (\$000)		Shares	Market Value* (\$000)
* Moderna Inc.	75,935	7,552	Rockwell Automation Inc.	26,286	8,161
GE HealthCare Technologies Inc.	89,673	6,933	Verisk Analytics Inc. Class A	33,195	7,929
* Mettler-Toledo International Inc.	4,974	6,033	Cummins Inc.	32,454	7,775
West Pharmaceutical Services Inc.	16,939	5,965	Republic Services Inc. Class A	46,785	7,715
Zimmer Biomet Holdings Inc.	47,837	5,822	Quanta Services Inc.	33,294	7,185
ResMed Inc.	33,711	5,799	Ingersoll Rand Inc.	92,732	7,172
Cardinal Health Inc.	56,391	5,684	Equifax Inc.	28,190	6,971
* Illumina Inc.	36,338	5,060	Xylem Inc.	55,249	6,318
STERIS plc	22,655	4,981	Fortive Corp.	80,505	5,928
* Molina Healthcare Inc.	13,361	4,827	Delta Air Lines Inc.	147,076	5,917
Baxter International Inc.	116,067	4,487	Broadridge Financial Solutions Inc.	26,991	5,553
* Align Technology Inc.	16,278	4,460	Westinghouse Air Brake Technologies Corp.	40,997	5,203
* Waters Corp.	13,539	4,457	Dover Corp.	32,063	4,932
Laboratory Corp. of America Holdings	19,428	4,416	Howmet Aerospace Inc.	89,671	4,853
Cooper Cos. Inc.	11,347	4,294	* Builders FirstSource Inc.	28,236	4,714
* Hologic Inc.	56,101	4,008	Expeditors International of Washington Inc.	33,264	4,231
Quest Diagnostics Inc.	25,690	3,542	* Axon Enterprise Inc.	16,147	4,171
* Insulet Corp.	16,010	3,474	Veralto Corp.	50,191	4,129
Revvity Inc.	28,221	3,085	Hubbell Inc. Class B	12,283	4,040
Viatris Inc.	275,267	2,981	Southwest Airlines Co.	136,572	3,944
Bio-Techne Corp.	36,142	2,789	IDEX Corp.	17,337	3,764
* Charles River Laboratories International Inc.	11,735	2,774	Jacobs Solutions Inc.	28,863	3,746
Teleflex Inc.	10,784	2,689	JB Hunt Transport Services Inc.	18,620	3,719
* Incyte Corp.	42,746	2,684	Textron Inc.	44,845	3,606
* Henry Schein Inc.	30,024	2,273	Snap-on Inc.	12,073	3,487
Universal Health Services Inc. Class B	13,961	2,128	Stanley Black & Decker Inc.	35,127	3,446
* Catalent Inc.	41,321	1,857	Masco Corp.	51,321	3,437
DENTSPLY SIRONA Inc.	48,765	1,736	Leidos Holdings Inc.	31,448	3,404
* Bio-Rad Laboratories Inc. Class A	4,820	1,556	Nordson Corp.	12,421	3,281
* DaVita Inc.	12,285	1,287	* United Airlines Holdings Inc.	74,875	3,089
	_	1,157,054	Rollins Inc.	64,457	2,815
Industrials (8.8%)		1,137,054	Pentair plc	37,831	2,751
Caterpillar Inc.	116,823	34,541	Allegion plc	20,150	2,553
Union Pacific Corp.	139,611	34,291	* Ceridian HCM Holding Inc.	35,807	2,403
* Boeing Co.	130,237	33,948	Huntington Ingalls Industries Inc.	9,068	2,354
General Electric Co.	249,259	31,813	Paycom Software Inc.	11,235	2,323
Honeywell International Inc.	150,960	31,658	A O Smith Corp.	28,123	2,318
* Uber Technologies Inc.	471,309	29,019	CH Robinson Worldwide Inc.	26,693	2,306
RTX Corp.	329,286	27,706	Robert Half Inc.	24,201	2,128
United Parcel Service Inc. Class B	165,636	26,043	* American Airlines Group Inc.	150,041	2,062
Deere & Co.	61,334	24,526	* Generac Holdings Inc.	14,050	1,816
Lockheed Martin Corp.	50,559	22,915			807,774
Eaton Corp. plc	91,431	22,018	Information Technology (28.7%)		·
Automatic Data Processing Inc.	94,181	21,941	Apple Inc.	3,348,120	644,614
Illinois Tool Works Inc.	62,710	16,426	Microsoft Corp.	1,702,108	640,061
CSX Corp.	452,659	15,694	NVIDIA Corp.	565,672	280,132
Northrop Grumman Corp.	32,467	15,199	Broadcom Inc.	100,525	112,211
Waste Management Inc.	83,949	15,035	* Adobe Inc.	104,272	62,209
3M Co.	126,440	13,822	* Salesforce Inc.	222,833	58,636
Parker-Hannifin Corp.	29,423	13,555	* Advanced Micro Devices Inc.	370,018	54,544
General Dynamics Corp.	51,894	13,475	Accenture plc Class A	143,730	50,436
FedEx Corp.	52,992	13,405	Intel Corp.	965,534	48,518
TransDigm Group Inc.	12,672	12,819	Cisco Systems Inc.	927,540	46,859
Trane Technologies plc	52,313	12,759	Intuit Inc.	64,183	40,116
Emerson Electric Co.	130,593	12,711	Oracle Corp.	363,876	38,363
Norfolk Southern Corp.	51,818	12,249	QUALCOMM Inc.	254,886	36,864
Cintas Corp.	19,817	11,943	Texas Instruments Inc.	207,974	35,451
PACCAR Inc.	119,797	11,698	International Business Machines Corp.	209,112	34,200
Carrier Global Corp.	192,307	11,048	* ServiceNow Inc.	46,948	33,168
* Copart Inc.	200,264	9,813	Applied Materials Inc.	191,573	31,048
L3Harris Technologies Inc.	43,404	9,142	Lam Research Corp.	30,182	23,640
Johnson Controls International plc	155,819	8,981	Analog Devices Inc.	114,108	22,657
United Rentals Inc.	15,538	8,910	Micron Technology Inc.	251,464	21,460
Paychex Inc.	73,609	8,768	* Palo Alto Networks Inc.	71,184	20,991
AMETEK Inc.	52,821	8,710	KLA Corp.	31,129	18,095
Fastenal Co.	130,858	8,476	* Synopsys Inc.	34,829	17,934
WW Grainger Inc.	10,128	8,393	* Cadence Design Systems Inc.	62,305	16,970
Otis Worldwide Corp.	93,628	8,377	* Arista Networks Inc.	57,724	13,595
Old Dominion Freight Line Inc.	20,471	8,298	Amphenol Corp. Class A	137,067	13,588

		Shares	Market Value* (\$000)		Shares	Market Value* (\$000)
	conductors NV nnologies Inc.	59,026 24,474	13,557 13,343	Westrock Co. FMC Corp.	58,656 28,444	2,435 1,793
* Autodesk	Inc.	48,973	11,924		-	220,737
	Solutions Inc.	38,027	11,906	Real Estate (2.5%)		220,707
	Technology Inc.	123,967	11,179	Prologis Inc.	211,618	28,209
TE Connec		71,230	10,008	American Tower Corp.	106,768	23,049
	Technology Solutions Corp. Class A	114,950	8,682	Equinix Inc.	21,503	17,318
* Fortinet In	c. onductor Corp.	146,116 98,742	8,552 8,248	Crown Castle Inc.	99,432	11,454
* Gartner In	•	17,873	8,063	Welltower Inc.	126,802	11,434
* ANSYS Inc		19,873	7,212	Public Storage	36,217	11,046
CDW Corp		30,653	6,968	Simon Property Group Inc.	74,642	10,647
	Power Systems Inc.	10,960	6,913	Realty Income Corp. Digital Realty Trust Inc.	165,645 69,297	9,511 9,326
* Fair Isaac	Corp.	5,654	6,581	* CoStar Group Inc.	93,540	9,326 8,175
* Keysight To	echnologies Inc.	40,623	6,463	Extra Space Storage Inc.	48,430	7,765
HP Inc.		199,568	6,005	VICI Properties Inc. Class A	236,732	7,547
Corning In		176,104	5,362	* CBRE Group Inc. Class A	69,773	6,495
	ackard Enterprise Co.	293,504	4,984	SBA Communications Corp. Class A	24,682	6,262
,	echnologies Inc.	10,826	4,832	AvalonBay Communities Inc.	32,563	6,096
* PTC Inc. * First Solar	Inc	27,205 24,472	4,760 4,216	Weyerhaeuser Co.	167,199	5,814
NetApp In		47,768	4,210	Equity Residential	79,256	4,847
* VeriSign Ir		20,319	4,185	Iron Mountain Inc.	66,847	4,678
* Enphase E		31,260	4,131	Ventas Inc. Alexandria Real Estate Equities Inc.	92,161 35,830	4,593 4,542
Skyworks	Solutions Inc.	36,518	4,105	Invitation Homes Inc.	131,691	4,492
* Akamai Te	chnologies Inc.	34,504	4,084	Essex Property Trust Inc.	14,723	3,650
	nologies Inc.	9,653	4,036	Mid-America Apartment Communities Inc.	26,766	3,599
* EPAM Sys		13,199	3,925	Kimco Realty Corp.	152,293	3,245
	Digital Corp.	74,182	3,885	Host Hotels & Resorts Inc.	161,409	3,143
	echnology Holdings plc	44,507	3,800	UDR Inc.	69,142	2,648
Teradyne I Jabil Inc.	nc.	34,965 29,270	3,794 3,729	Regency Centers Corp.	37,537	2,515
	nologies Corp. Class A	11,783	3,729	Healthpeak Properties Inc.	125,677	2,488
* Trimble Inc	•	56,828	3,023	Camden Property Trust	24,514	2,434
Gen Digita		129,114	2,946	Boston Properties Inc.	32,979	2,314
* Qorvo Inc.		22,328	2,514	Federal Realty Investment Trust	16,800	1,731
* F5 Inc.		13,658	2,445			231,067
Juniper Ne	etworks Inc.	72,938	2,150	Utilities (2.3%)	460.001	20 E 41
			2,646,302	NextEra Energy Inc. Southern Co.	469,881 249,740	28,541 17,512
Materials (2.4	9%)			Duke Energy Corp.	176,486	17,126
Linde plc		111,038	45,604	Sempra Sempra	144,215	10,777
	Villiams Co.	53,932	16,821	American Electric Power Co. Inc.	120,312	9,772
	/IcMoRan Inc.	328,312	13,976	Dominion Energy Inc.	191,607	9,006
Ecolab Inc	ts and Chemicals Inc.	50,869	13,928	PG&E Corp.	488,071	8,800
Newmont		58,169 264,013	11,538 10,928	Constellation Energy Corp.	73,066	8,541
Nucor Cor	•	56,353	9,808	Exelon Corp.	227,783	8,177
Dow Inc.	p.	160,804	8,819	Xcel Energy Inc.	126,499	7,832
PPG Indus	tries Inc.	53,965	8,070	Consolidated Edison Inc. Public Service Enterprise Group Inc.	79,029 113,979	7,189 6,970
Corteva In	c.	161,223	7,726	Edison International	87,839	6,280
DuPont de	Nemours Inc.	98,389	7,569	WEC Energy Group Inc.	72,330	6,088
	rietta Materials Inc.	14,137	7,053	American Water Works Co. Inc.	44,520	5,876
Vulcan Ma		30,468	6,917	DTE Energy Co.	47,272	5,212
,	asell Industries NV Class A	58,785	5,589	Eversource Energy	80,013	4,938
Internation Ball Corp.	nal Flavors & Fragrances Inc.	58,498 72,157	4,737	Entergy Corp.	48,482	4,906
Steel Dyna	amics Inc	34,807	4,150 4,111	PPL Corp.	169,016	4,580
Albemarle		26,842	3,878	Ameren Corp.	60,231	4,357
	nison Corp.	18,424	3,725	FirstEnergy Corp.	118,112	4,330
,	Corp. Class A	22,945	3,565	CenterPoint Energy Inc. Atmos Energy Corp.	144,732 34,005	4,135 3,941
	ies Holdings Inc.	43,706	3,475	CMS Energy Corp.	66,875	3,883
	Corp. of America	20,509	3,341	Alliant Energy Corp.	58,380	2,995
Amcor plc		330,744	3,188	AES Corp.	153,567	2,956
	nal Paper Co.	79,470	2,873	Evergy Inc.	52,711	2,752
Mosaic Co	o. Chemical Co.	74,769	2,672	NRG Energy Inc.	51,648	2,670
Easilligi) (	DITETTICAL CO.	27,258	2,448	NiSource Inc.	94,745	2,515

	Shares	Market Value* (\$000)
Pinnacle West Capital Corp.	25,972	1,866
		214,523
Total Common Stocks (Cost \$4,687,204)		9,169,694
Temporary Cash Investments (0.4%)		
Money Market Fund (0.4%)  2.3 Vanguard Market Liquidity Fund, 5.435% (Cost \$36,116)	361,199	36,113
Total Investments (99.8%) (Cost \$4,723,320)		9,205,807
Other Assets and Liabilities—Net (0.2%)		16,566
Net Assets (100%)		9,222,373

#### Cost is in \$000.

- See Note A in Notes to Financial Statements.
- Non-income-producing security.
- 1 Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$104,000.
- Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.
   Collateral of \$112,000 was received for securities on loan.

Derivative Financial Instruments Outstanding as of Period End						
Futures Contracts						
				(\$000)		
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)		
Long Futures Contracts						
E-mini S&P 500 Index	March 2024	223	53,743	994		

# Statement of Assets and Liabilities As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amount
Assets	
Investments in Securities, at Value <sup>1</sup>	
Unaffiliated Issuers (Cost \$4,687,204)	9,169,694
Affiliated Issuers (Cost \$36,116)	36,113
Total Investments in Securities	9,205,807
Investment in Vanguard	291
Cash Collateral Pledged—Futures Contracts	2,274
Receivables for Investment Securities Sold	48
Receivables for Accrued Income	8,684
Receivables for Capital Shares Issued	7,894
Variation Margin Receivable—Futures Contracts	330
Total Assets	9,225,328
Liabilities	
Due to Custodian	503
Payables for Investment Securities Purchased	361
Collateral for Securities on Loan	112
Payables for Capital Shares Redeemed	1,416
Payables to Vanguard	563
Total Liabilities	2,955
Net Assets	9,222,373

<sup>1</sup> Includes \$104,000 of securities on loan.

## At December 31, 2023, net assets consisted of:

Paid-in Capital	4,235,946
Total Distributable Earnings (Loss)	4,986,427
Net Assets	9,222,373
Net Assets	
Applicable to 151,467,667 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	9,222,373
Net Asset Value Per Share	\$60.89

Investment Income

# Statement of Operations

Year Ended December 31, 2023

(\$000)

Income	
Dividends <sup>1</sup>	137,726
Interest <sup>2</sup>	1,383
Securities Lending—Net	5
Total Income	139,114
Expenses	
The Vanguard Group—Note B	
Investment Advisory Services	246
Management and Administrative	10,784
Marketing and Distribution	436
Custodian Fees	70

Cuctodian 1 000	, 0
Auditing Fees	74
Shareholders' Reports	111
Trustees' Fees and Expenses	5
Other Expenses	21
Total Expenses	11,747
Net Investment Income	127,367
Realized Net Gain (Loss)	

Healized Net Galli (LOSS)	
Investment Securities Sold <sup>2</sup>	377,884
Futures Contracts	2,760
Realized Net Gain (Loss)	380,644

Change in Unrealized Appreciation (Depreciation)	
Investment Securities <sup>2</sup>	1,452,410
Futures Contracts	2,083
Change in Houselined Association (Democription)	1 454 400

Change in Unrealized Appreciation (Depreciation) 1,454,493

Net Increase (Decrease) in Net Assets Resulting from Operations 1,962,504

<sup>1</sup> Dividends are net of foreign withholding taxes of \$37,000.

<sup>2</sup> Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the portfolio were \$1,291,000, (\$2,000), less than \$1,000, and (\$3,000), respectively. Purchases and sales are for temporary cash investment purposes.

# Statement of Changes in Net Assets

	Year Ended December 31,	
	2023 (\$000)	2022 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	127,367	119,202
Realized Net Gain (Loss)	380,644	267,407
Change in Unrealized Appreciation (Depreciation)	1,454,493	(2,080,128)
Net Increase (Decrease) in Net Assets Resulting from Operations	1,962,504	(1,693,519)
Distributions		
Total Distributions	(385,336)	(465,299)
Capital Share Transactions		
Issued	670,469	849,472
Issued in Lieu of Cash Distributions	385,336	465,299
Redeemed	(1,002,164)	(918,334)
Net Increase (Decrease) from Capital Share Transactions	53,641	396,437
Total Increase (Decrease)	1,630,809	(1,762,381)
Net Assets		
Beginning of Period	7,591,564	9,353,945
End of Period	9,222,373	7,591,564

# Financial Highlights

For a Share Outstanding	Year Ended December 31,			ember 31,	
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$50.74	\$65.47	\$53.76	\$47.70	\$38.03
Investment Operations					
Net Investment Income <sup>1</sup>	.833	.806	.738	.798	.805
Net Realized and Unrealized Gain (Loss) on Investments	11.870	(12.244)	13.978	7.014	10.791
Total from Investment Operations	12.703	(11.438)	14.716	7.812	11.596
Distributions					
Dividends from Net Investment Income	(.794)	(.758)	(.754)	(.806)	(.834)
Distributions from Realized Capital Gains	(1.759)	(2.534)	(2.252)	(.946)	(1.092)
Total Distributions	(2.553)	(3.292)	(3.006)	(1.752)	(1.926)
Net Asset Value, End of Period	\$60.89	\$50.74	\$65.47	\$53.76	\$47.70
Total Return	26.11%	-18.23%	28.55%	18.20%	31.30%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$9,222	\$7,592	\$9,354	\$7,555	\$6,458
Ratio of Total Expenses to Average Net Assets	0.14%	0.14%2	0.14%	0.14%	0.14%
Ratio of Net Investment Income to Average Net Assets	1.52%	1.48%	1.25%	1.73%	1.87%
Portfolio Turnover Rate	5%	5%	4%	8%	4%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.14%.

## Notes to Financial Statements

The Equity Index Portfolio, a portfolio of Vanguard Variable Insurance Funds, is registered under the Investment Company Act of 1940 as an open-end investment company. The portfolio's shares are only available for purchase by separate accounts of insurance companies as investments for variable annuity plans, variable life insurance contracts, or other variable benefit insurance contracts.

**A.** The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The portfolio consistently follows such policies in preparing its financial statements.

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the portfolio's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value.
- 2. Futures Contracts: The portfolio uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, maintaining liquidity, and minimizing transaction costs. The portfolio may purchase futures contracts to immediately invest incoming cash in the market, or sell futures in response to cash outflows, thereby simulating a fully invested position in the underlying index while maintaining a cash balance for liquidity. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the portfolio and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the portfolio trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the portfolio's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the portfolio's average investments in long and short futures contracts represented less than 1% and 0% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

- 3. Federal Income Taxes: The portfolio intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The portfolio's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the portfolio's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the portfolio's financial statements.
- 4. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 5. Securities Lending: To earn additional income, the portfolio lends its securities to qualified institutional borrowers. Security loans are subject to termination by the portfolio at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The portfolio further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the portfolio may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the portfolio; however, such actions may be subject to legal proceedings. While

collateral mitigates counterparty risk, in the event of a default, the portfolio may experience delays and costs in recovering the securities loaned. The portfolio invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the portfolio is entitled to all distributions made on or in respect of the loaned securities.

6. Credit Facilities and Interfund Lending Program: The portfolio and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the portfolio's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the portfolio's board of trustees and included in Management and Administrative expenses on the portfolio's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the portfolio and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the portfolio may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the portfolio's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the portfolio did not utilize the credit facilities or the Interfund Lending Program.

- 7. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.
- B. In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the portfolio, Vanguard furnishes to the portfolio investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the portfolio based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the portfolio may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the portfolio had contributed to Vanguard capital in the amount of \$291,000, representing less than 0.01% of the portfolio's net assets and 0.12% of Vanguard's capital received pursuant to the FSA. The portfolio's trustees and officers are also directors and employees, respectively, of Vanguard.

**C.** Various inputs may be used to determine the value of the portfolio's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.

Level 1—Quoted prices in active markets for identical securities.

**Level 2**—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

**Level 3**—Significant unobservable inputs (including the portfolio's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

At December 31, 2023, 100% of the market value of the portfolio's investments and derivatives was determined based on Level 1 inputs.

**D.** Permanent differences between book-basis and tax-basis components of net assets, if any, are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share.

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to the deferral of losses from wash sales; and the recognition of unrealized gains or losses from certain derivative contracts. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

	Amount (\$000)
Undistributed Ordinary Income	125,996
Undistributed Long-Term Gains	378,281
Net Unrealized Gains (Losses)	4,482,150
Capital Loss Carryforwards	_
Qualified Late-Year Losses	_
Other Temporary Differences	_
Total	4,986,427

The tax character of distributions paid was as follows:

	Year Ended I	Year Ended December 31,	
	2023 Amount (\$000)	2022 Amount (\$000)	
Ordinary Income*	119,864	114,459	
Long-Term Capital Gains	265,472	350,840	
Total	385,336	465,299	

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	4,723,657
Gross Unrealized Appreciation	4,888,329
Gross Unrealized Depreciation	(406,179)
Net Unrealized Appreciation (Depreciation)	4,482,150

E. During the year ended December 31, 2023, the portfolio purchased \$406,753,000 of investment securities and sold \$614,570,000 of investment securities, other than temporary cash investments.

The portfolio purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$31,908,000 and sales were \$26,128,000, resulting in net realized loss of \$9,379,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

F. Capital shares issued and redeemed were:

	Year Ended December 31,		
	2023 Shares (000)	2022 Shares (000)	
Issued	12,250	15,519	
Issued in Lieu of Cash Distributions	7,687	7,787	
Redeemed	(18,089)	(16,568)	
Net Increase (Decrease) in Shares Outstanding	1,848	6,738	

G. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the portfolio's investments and portfolio performance.

To the extent the portfolio's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the portfolio may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the portfolio to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the portfolio's use of derivative(s) and the specific risks associated is described under significant accounting policies.

At December 31, 2023, one shareholder (an insurance company separate account whose holdings in the portfolio represent the indirect investment of Vanguard Variable Annuity contract holders) was the record or beneficial owner of 44% of the portfolio's net assets. If this shareholder were to redeem its investment in the portfolio, the redemption might result in an increase in the portfolio's expense ratio, cause the portfolio to incur higher transaction costs, or lead to the realization of taxable capital gains.

H. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

# Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Variable Insurance Funds and Shareholders of Equity Index Portfolio

#### Opinion on the Financial Statements

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Equity Index Portfolio (one of the portfolios constituting Vanguard Variable Insurance Funds, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

### Basis for Opinion

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 15, 2024

We have served as the auditor of one or more investment companies in The Vanguard Group of Funds since 1975.

### Tax information (unaudited)

For corporate shareholders, 95.9%, or if subsequently determined to be different, the maximum percentage allowable by law, of ordinary income (dividend income plus short-term gains, if any) for the fiscal year qualified for the dividends-received deduction.

The portfolio hereby designates \$481,000, or if subsequently determined to be different, the maximum amount allowable by law, of interest earned from obligations of the U.S. government which is generally exempt from state income tax.

The portfolio distributed \$265,472,000 as capital gain dividends (20% rate gain distributions) to shareholders during the fiscal year.

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# The People Who Govern Your Fund

The trustees of your mutual fund are there to see that the fund is operated and managed in your best interests since, as a shareholder, you are a part owner of the fund. Your fund's trustees also serve on the board of directors of The Vanguard Group, Inc., which is owned by the Vanguard funds and provides services to them.

A majority of Vanguard's board members are independent, meaning that they have no affiliation with Vanguard or the funds they oversee, apart from the sizable personal investments they have made as private individuals. The independent board members have distinguished backgrounds in business, academia, and public service. Each of the trustees and executive officers oversees 208 Vanguard funds

Information for each trustee and executive officer of the fund appears below. That information, as well as the Vanguard fund count, is as of the date on the cover of this fund report. The mailing address of the trustees and officers is P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the *Statement of Additional Information*, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at vanguard.com.

#### Interested Trustee<sup>1</sup>

#### Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chairman of the board (2019-present) of Vanguard and of each of the investment companies served by Vanguard; chief executive officer (2018-present) of Vanguard; chief executive officer, president, and trustee (2018-present) of each of the investment companies served by Vanguard; president and director (2017-present) of Vanguard; and president (2018-present) of Vanguard Marketing Corporation. Chief investment officer (2013-2017), managing director (2002-2017), head of the Retail Investor Group (2006-2012), and chief information officer (2001-2006) of Vanguard. Member of the board of governors of the Investment Company Institute and the board of governors of FINRA.

#### Independent Trustees

#### Tara Bunch

Born in 1962. Trustee since November 2021. Principal occupation(s) during the past five years and other experience: head of global operations at Airbnb (2020–present). Vice president of AppleCare (2012–2020). Member of the board of directors of Out & Equal, the advisory board of the University of California, Berkeley School of Engineering, and the advisory board of Santa Clara University's Leavey School of Business.

#### Emerson U. Fullwood

Born in 1948. Trustee since January 2008. Principal occupation(s) during the past five years and other experience: executive chief staff and marketing officer for North America and corporate vice president (retired 2008) of Xerox Corporation (document management products and services). Former president of the Worldwide Channels Group, Latin America, and Worldwide Customer Service and executive chief staff officer of Developing Markets of Xerox. Executive in residence and 2009–2010 Distinguished Minett Professor at the Rochester Institute of Technology. Member of the board of directors of the University of Rochester Medical Center, the Monroe Community College Foundation, the United Way of Rochester. North Carolina A&T University, Roberts Wesleyan College, and the Rochester Philharmonic Orchestra. Trustee of the University of Rochester.

#### F. Joseph Loughrey

Born in 1949. Trustee since October 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2009) and vice chairman of the board (2008–2009) of Cummins Inc. (industrial machinery). Director of the V Foundation. Member of the advisory council for the College of Arts and Letters at the University of Notre Dame. Chairman of the board of Saint Anselm College.

### Mark Loughridge

Born in 1953. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: senior vice president and chief financial officer (retired 2013) of IBM (information technology services). Fiduciary member of IBM's Retirement Plan Committee (2004–2013), senior vice president and general manager (2002–2004) of IBM Global Financing, vice president and controller (1998–2002) of IBM, and a variety of other prior management roles at IBM. Member of the Council on Chicago Booth.

## Scott C. Malpass

Born in 1962. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: co-founder and managing partner (2022–present) of Grafton Street Partners (investment advisory firm). Chief investment officer (retired 2020) and vice president (retired 2020) of the University of Notre Dame. Chair of the board of Catholic Investment Services, Inc. (investment advisors). Member of the board of superintendence of the Institute for the Works of Religion, the Notre Dame 403(b) Investment Committee, and the board of directors of Paxos Trust Company (finance).

#### Deanna Mulligan

Born in 1963. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chief executive officer of Purposeful (advisory firm for CEOs and C-level executives; 2021–present). Board chair (2020), chief executive officer (2011–2020), and president (2010–2019) of The Guardian Life Insurance Company of America. Chief operating officer (2010–2011) and executive vice president (2008–2010) of Individual Life and Disability of the Guardian Life Insurance Company of America. Director of DuPont. Member of the board of the Economic Club of New York. Trustee of the Partnership for New York City (business leadership), Chief Executives for Corporate Purpose, and the NewYork-Presbyterian Hospital.

#### André F. Perold

Born in 1952. Trustee since December 2004. Principal occupation(s) during the past five years and other experience: George Gund Professor of Finance and Banking, Emeritus at the Harvard Business School (retired 2011). Chief investment officer and partner of HighVista Strategies (private investment firm). Member of the board of RIT Capital Partners (investment firm).

#### Sarah Bloom Raskin

Born in 1961. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: deputy secretary (2014–2017) of the United States Department of the Treasury. Governor (2010–2014) of the Federal Reserve Board. Commissioner (2007–2010) of financial regulation for the State of Maryland. Colin W. Brown Distinguished Professor of the Practice of Law, Duke Law School (2021–present); Rubenstein Fellow, Duke University (2017–2020); Distinguished Fellow of the Global Financial Markets Center, Duke Law School (2020–2022); and Senior Fellow, Duke Center on Risk (2020–present). Partner of Kaya Partners (climate policy advisory services). Member of the board of directors of Arcadia (energy solution technology).

#### Grant Reid

Born in 1959. Trustee since July 2023. Principal occupation(s) during the past five years and other experience: chief executive officer and president (2014–2022) and member of the board of directors (2015–2022) of Mars, Incorporated (multinational manufacturer). Member of the board of directors of Marriott International, Inc. Chair of Agribusiness Task Force, Sustainable Markets Initiative.

## **David Thomas**

Born in 1956. Trustee since July 2021. Principal occupation(s) during the past five years and other experience: president of Morehouse College (2018–present). Professor of business administration, emeritus at Harvard University (2017–2018). Dean (2011–2016) and professor of management (2016–2017) at the Georgetown University McDonough School of Business. Director of DTE Energy Company. Trustee of Common Fund.

#### Peter F. Volanakis

Born in 1955. Trustee since July 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2010) of Corning Incorporated (communications equipment) and director of Corning

Incorporated (2000–2010) and Dow Corning (2001–2010). Director (2012) of SPX Corporation (multi-industry manufacturing). Overseer of the Amos Tuck School of Business Administration, Dartmouth College (2001–2013). Member of the BMW Group Mobility Council.

#### **Executive Officers**

#### Jacqueline Angell

Born in 1974. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief compliance officer (November 2022–present) of Vanguard and of each of the investment companies served by Vanguard. Chief compliance officer (2018–2022) and deputy chief compliance officer (2017–2019) of State Street.

#### Christine M. Buchanan

Born in 1970. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief financial officer (2021–present) and treasurer (2017–2022) of each of the investment companies served by Vanguard. Partner (2005–2017) at KPMG (audit, tax, and advisory services).

#### John Galloway

Born in 1973. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Investment stewardship officer (September

2020–present) of each of the investment companies served by Vanguard. Head of Investor Advocacy (February 2020–present) and head of Marketing Strategy and Planning (2017–2020) at Vanguard. Special assistant to the President of the United States (2015).

#### Ashley Grim

Born in 1984. Principal occupation(s) during the past five years and other experience: treasurer (February 2022–present) of each of the investment companies served by Vanguard. Fund transfer agent controller (2019–2022) and director of Audit Services (2017–2019) at Vanguard. Senior manager (2015–2017) at PriceWaterhouseCoopers (audit and assurance, consulting, and tax services).

#### Jodi Miller

Born in 1980. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Finance director (2022–present) of each of the investment companies served by Vanguard. Head of Enterprise Investment Services (2020–present), head of Retail Client Services and Operations (2020–2022), and head of Retail Strategic Support (2018–2020) at Vanguard.

#### Anne E. Robinson

Born in 1970. Principal occupation(s) during the past five years and other experience: general counsel (2016–present) of Vanguard. Secretary (2016–present)

of Vanguard and of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Managing director and general counsel of Global Cards and Consumer Services (2014–2016) at Citigroup. Counsel (2003–2014) at American Express. Nonexecutive director (2022–present) of the board of National Grid (energy).

#### Michael Rollings

Born in 1963. Principal occupation(s) during the past five years and other experience: finance director (2017–present) and treasurer (2017) of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Chief financial officer (2016–present) of Vanguard. Director (2016–present) of Vanguard Marketing Corporation. Executive vice president and chief financial officer (2006–2016) of MassMutual Financial Group.

### Vanguard Senior Management Team

Matthew Benchener Joseph Brennan Mortimer J. Buckley Gregory Davis John James Chris D. McIsaac Thomas M. Rampulla Karin A. Risi Anne E. Robinson Michael Rollings Nitin Tandon Lauren Valente

# **Vanguard**

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All comparative mutual fund data are from Morningstar, Inc., unless otherwise noted.

You can obtain a free copy of Vanguard's proxy voting guidelines by visiting vanguard.com/proxyreporting or by calling Vanguard at 800-662-2739. The guidelines are also available from the SEC's website, www.sec.gov. In addition, you may obtain a free report on how your fund voted the proxies for securities it owned during the 12 months ended June 30. To get the report, visit either vanguard.com/proxyreporting or www.sec.gov.

You can review information about your portfolio on the SEC's website, and you can receive copies of this information, for a fee, by sending a request via email addressed to publicinfo@sec.gov.

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Annual Report | December 31, 2023

# Vanguard Variable Insurance Funds

High Yield Bond Portfolio

See the inside front cover for important information about your fund's annual and semiannual shareholder reports.

## Important information about shareholder reports

Beginning in July 2024, amendments adopted by the Securities and Exchange Commission will substantially impact the design, content, and transmission of shareholder reports. Shareholder reports will provide key fund information in a clear and concise format and must be mailed to each shareholder that has not elected to receive the reports electronically. Financial statements will no longer be included in the shareholder report but will be available at vanguard.com, can be mailed upon request, or can be accessed on the SEC's website at www.sec.gov.

You may elect to receive shareholder reports and other communications from the fund electronically by contacting your financial intermediary (such as a broker-dealer or bank) or, if you invest directly with the fund, by calling Vanguard at one of the phone numbers on the back cover of this report or by logging on to vanguard.com.

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## Your Portfolio's Performance at a Glance

- The financial markets delivered very robust returns for the 12 months ended December 31, 2023. The High Yield Bond Portfolio returned 11.66%, trailing the 12.14% return of its composite benchmark index.
- With inflation continuing to ease, several major central banks slowed and eventually stopped hiking interest rates. Global growth, employment, and consumer spending showed resilience, but the prospect of rates remaining high for an extended period spurred volatility at times. Toward year-end, however, global stocks and bonds rallied as falling inflation and softening economic growth raised market expectations for rate cuts in 2024.
- Bond yields ended 2023 mixed. U.S. Treasuries returned 4.05%, trailing corporate bonds (+8.52%) and mortgage-backed bonds (+5.05%), as measured by components of the Bloomberg U.S. Aggregate Bond Index.
- By credit quality, lower-rated investment-grade bonds generally fared better than higher-rated ones; by maturity, longer-dated bonds outperformed those with shorter maturities.
- Please note that the portfolio's returns may be different from those in variable annuity products that invest in the portfolio, which take insurance-related expenses into account.

#### Market Barometer

	Average Annual Total Returns Periods Ended December 31, 2023		
	One Year	Three Years	Five Years
Stocks			
Russell 1000 Index (Large-caps)	26.53%	8.97%	15.52%
Russell 2000 Index (Small-caps)	16.93	2.22	9.97
Russell 3000 Index (Broad U.S. market)	25.96	8.54	15.16
FTSE All-World ex US Index (International)	15.82	1.98	7.52
Bonds			
Bloomberg U.S. Aggregate Float Adjusted Index (Broad taxable market)	5.60%	-3.33%	1.17%
Bloomberg Municipal Bond Index (Broad tax-exempt market)	6.40	-0.40	2.25
FTSE Three-Month U.S. Treasury Bill Index	5.26	2.24	1.91
CPI			
Consumer Price Index	3.35%	5.60%	4.07%

# Advisors' Report

For the 12 months ended December 31, 2023, the portfolio returned 11.66%, net of fees and expenses, compared with the benchmark return of 12.14%.

The portfolio's 30-day SEC yield stood at 6.30% as of December 31, down 0.51 percentage point for the year. The 30-day SEC yield is a proxy for a portfolio's potential annualized rate of income.

Your portfolio is managed by two independent advisors, a strategy that enhances its diversification by providing exposure to distinct yet complementary investment approaches. It's not uncommon for different advisors to have different views about individual securities or the broader investment environment.

The accompanying table lists the advisors, the amount and percentage of portfolio assets each manages, and brief descriptions of their investment strategies. The advisors have provided the following assessment of the investment environment during the past 12 months and the notable successes and shortfalls in their portfolios. These comments were prepared on January 17, 2024.

# Wellington Management Company LLP

Portfolio Manager:

Elizabeth H. Shortsleeve, Senior Managing Director

Fixed income markets generated positive total returns during the year; higher-yielding sectors generally

performed best, benefiting from their coupon advantage and spread-tightening. Moderating inflation and a pivot to more accommodative central bank policies fueled a strong rally to close out the year, which benefited high-yield bonds.

The 10-year U.S. Treasury yield ended December 2023 essentially unchanged at 3.88% despite elevated interest rate volatility over much of the period. The average dollar price of the high-yield market increased to \$93 from \$86 during the period, according to Bloomberg U.S. High Yield Index data. The spread of the high-yield market compared with Treasuries compressed to 323 basis points by year-end from a 469-basis-point spread at the end of 2022. (A basis point is one-hundredth of a percentage point.)

There was some dispersion in performance by credit quality over the year as market participants generally rewarded lower-quality credits.

Lowest-rated CCC bonds performed best, returning 19.84%, according to Bloomberg U.S. High Yield Index data, while B- and BB-rated bonds returned 13.78% and 11.60%, respectively.

We advocate for a slightly defensive risk profile for high-yield investors and see the potential for better opportunities to add exposure at more attractive valuations in 2024. The Federal Reserve seems to be winning the fight against inflation, though it remains unclear whether the progress is attributable to tight monetary policy or to easing of supply shocks and depletion of

consumer savings. Corporate fundamentals are only marginally deteriorating from a very strong starting point and the quality composition of the high-yield market remains historically strong. As a result, we do not expect a full-blown default cycle near term. However, we believe that current valuations underscore the need for more defensive risk positioning, particularly in the U.S. market.

Recent economic data have increased our confidence that a global disinflationary trend is taking hold. We are starting to observe softer manufacturing data, weaker consumer spending, and depletion of excess consumer savings in the lower-income cohorts. Normally at this stage of the economic cycle, relatively weaker consumer strength would translate into slowing investment spending; however, government fiscal spending programs may be distorting the true picture. Mild global recession remains a distinct possibility, but, on balance, we see a soft landing as more likely.

While the impact of higher borrowing costs so far has had a limited impact on corporate earnings and credit profiles, we expect that to change in the coming quarters as the economy slows. Default rates have already increased to 4.5%, which is close to historical averages. We envision that this number could move modestly higher but do not see a full-scale default cycle (meaning higher than the 8% to 10% range) on the horizon given the higher-quality composition of the high-yield market relative to past cycles. Despite concerns about the impact of rate increases, we do not believe higher interest expense alone will trigger a wave of defaults. The starting point of strong earnings and interest coverage provides ample cushion for deterioration, in our view. Still, we prefer to stick to more stable credit profiles with economic resilience and downside protection, and we select higher-risk issuers where we have high conviction in near-term catalysts.

Yields of U.S. Treasury Securities

Maturity	December 31, 2022	December 31, 2023
2 years	4.43%	4.25%
5 years	4.00	3.85
10 years	3.87	3.88
30 years	3.96	4.03

Source: Vanguard.

As market consensus now appears to embrace the soft-landing scenario, interest in high-yield fixed income among market participants has started to increase, but inflows represent a change from a very defensive stance overall. Although demand for high yield generally remains solid, we would not be surprised to see some crowding out due to relatively attractive yields offered across investment-grade corporate and government bond sectors. The quality of recent new issuance remains generally healthy, and we are not yet seeing widespread, aggressively structured deals or use of proceeds that increases leverage.

Among the tail risks we are monitoring, geopolitics and inflation dominate, though inflation should gradually dissipate as a concern, barring exogenous shocks. If the Fed engineers a soft landing, this should limit the magnitude of spread-widening compared with past downturns, but slower growth and elevated rates still pose risks to the high-vield market. At this stage, with valuations well below median and with elevated macro uncertainty, we believe the modest underrisked position is sensible. We believe there will be better opportunities for nimble, discerning active investors to increase exposure at wider spreads in the year ahead.

### The portfolio's shortfalls

Positioning in the pharmaceuticals and packaging sectors detracted from relative returns. Credit selection in the financial institutions and energy sectors also hurt relative results.

#### The portfolio's successes

Positioning in the government-related and wirelines sectors benefited relative performance. Credit selection in the wirelines and leisure sectors also contributed favorably to relative returns.

### The portfolio's positioning

The portfolio remains consistent in its investment objective and strategy and maintains meaningful exposure to relatively higher-quality names in the

high-yield market. We believe these companies have more stable credit profiles and greater predictability of cash flows than those at the lower end of the quality spectrum. We prefer higher-quality credits in an effort to minimize defaults and to provide stable income. We also continue to deemphasize noncash-paying securities, preferred stocks, and equity-linked securities, such as convertibles, because of their potential for volatility.

# Vanguard Fixed Income Group Portfolio Manager:

Michael Chang, CFA, Senior Portfolio Manager

#### Investment environment

For much of the period, concerns about inflation and whether policymakers' efforts to rein it in might spur a global recession were top of mind for many investors.

Early on, energy prices continued to cool amid an outlook for slower economic growth, but price increases then began to broaden to other categories, notably the services sector, which felt the effects of tight labor markets.

With the prospect of inflation remaining stubbornly high, central banks including the Federal Reserve, the European Central Bank, and the Bank of England continued raising interest rates, but through less aggressive hikes than at some policy meetings in 2022.

Although progress was slow in developed markets, signs of inflation moderating and a growing belief that the Fed may have come to the end of its rate-hiking cycle contributed to a strong rally in stocks and bonds toward year-end.

Bond yields were volatile in 2023. The bellwether 10-year U.S. Treasury yield surged at times when the markets were anticipating rates to stay higher for longer, breaking above 4% in early March and climbing to around 5% in the fall. Its March decline—and another toward year-end— stemmed from stress in the

banking sector and the Fed pivot from a tight monetary policy stance to signaling rate cuts in 2024. The 10-year yield nevertheless finished the year about where it started, at just under 3.9%. Yields for shorter-term Treasuries, however, ended the year mixed.

The broad U.S. investment-grade bond market returned 5.60% for the year, according to the Bloomberg U.S. Aggregate Float Adjusted Index. With the odds of a global recession falling and resilience in the jobs market and consumer spending, the average yield of corporate bonds over Treasuries narrowed during the period, leading them to return even more than the broad index.

## Management of the portfolio

The primary driver of the portfolio's performance was security selection, most notably increased exposure to consumer-facing leisure sectors and less exposure to the secularly challenged telecommunications and cable sectors. Our portfolio's posture is to have a higher-quality tilt than the benchmark to cushion against risk of default. In 2023, being underweight to the credit sector was a detractor because returns were highest at the lower end of the credit spectrum for the period.

Limited high-yield issuance also helped provide technical support to the market. We expect supply to pick up in 2024 as more issuers look to refinance near-term debt maturities.

#### Outlook

Although some market participants are counting on a Goldilocks scenario in which inflation moderates without a slowdown in the economy, we see that as unlikely for several reasons. Even without further interest rate increases, the tightening in monetary policy that has already occurred will continue working its way through the financial system. There's a risk that wage gains could help inflation remain sticky and above target, and consumers have been spending down the savings they accumulated during the pandemic.

We therefore continue to expect a mild recession in the U.S. in late 2024, which will eventually bring inflation closer to the Fed's 2% target. And while the Fed may start cutting interest rates later this year, they are likely for some time to remain well above the low levels we have

become accustomed to since the global financial crisis.

If the shallow recession we are expecting materializes, it will likely bring with it greater dispersion among issuers in the credit sector and more opportunities for us to add value through bottom-up security selection.

Whatever the markets may bring, our experienced global team of portfolio managers, traders, and credit analysts will continue to seek out attractive opportunities to produce competitive returns for our investors.

### High Yield Bond Portfolio Investment Advisors

Portfolio Assets Managed				
Investment Advisor	%	\$ Million	Investment Strategy	
Wellington Management Company LLP	65	477	Combines bottom-up fundamental research with top-down strategy, comprehensive risk management, and a long-term investment horizon. Seeks to identify companies whose prospects are stable or improving and whose bonds offer an attractive yield.	
Vanguard Fixed Income Group	32	236	Combines bottom-up fundamental research with top-down strategy. Security selection is based on a proprietary assessment of issuers and securities to identify durable business models and avoid excess credit losses and defaults.	
Cash Investments	3	22	These short-term reserves are invested by Vanguard in fixed income securities and derivative products to simulate investment in stocks. Each advisor may also maintain a modest cash position.	

## About Your Portfolio's Expenses

As a shareholder of the portfolio, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a portfolio's gross income, directly reduce the investment return of the portfolio.

A portfolio's expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your portfolio and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your portfolio's costs in two ways:

• Based on actual portfolio return. This section helps you to estimate the actual expenses that you paid over the period. The "Ending Account Value" shown is derived from the portfolio's actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the portfolio. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your portfolio under the heading "Expenses Paid During Period."

• Based on hypothetical 5% yearly return. This section is intended to help you compare your portfolio's costs with those of other mutual funds. It assumes that the portfolio had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the portfolio's actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your portfolio's costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the portfolio for buying and selling securities. The portfolio's expense ratio does not reflect additional fees and expenses associated with the annuity or life insurance program through which you invest.

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the portfolio's expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your portfolio's current prospectus.

#### Six Months Ended December 31, 2023

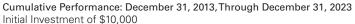
High Yield Bond Portfolio	Beginning Account Value 6/30/2023	Ending Account Value 12/31/2023	Expenses Paid During Period
Based on Actual Portfolio Return	\$1,000.00	\$ 1,071.10	\$1.25
Based on Hypothetical 5% Yearly Return	1,000.00	1,024.00	1.22

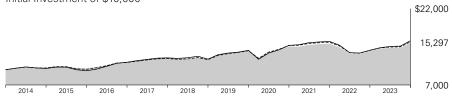
The calculations are based on expenses incurred in the most recent six-month period. The portfolio's annualized six-month expense ratio for that period is 0.24%. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (184/365).

## High Yield Bond Portfolio

### **Performance Summary**

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the portfolio. (Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance.) Note, too, that both investment returns and principal value can fluctuate widely, so an investor's shares, when sold, could be worth more or less than their original cost. The returns shown do not reflect taxes that a shareholder would pay on portfolio distributions or on the sale of portfolio shares. Nor do the returns reflect fees and expenses associated with the annuity or life insurance program through which a shareholder invests. If these fees and expenses were included, the portfolio's returns would be lower.





Average Annual Total Returns Periods Ended December 31, 2023

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
High Yield Bond Portfolio	11.66%	5.13%	4.34%	\$15,297
······ High-Yield Corporate Composite Index	12.14	5.28	4.47	15,478
Bloomberg U.S. Corporate High Yield Bond Index	13.44	5.37	4.60	15,674

High-Yield Corporate Composite Index: Weighted 95% Bloomberg U.S. High-Yield Ba/B 2% Issuer Capped Index and 5% Bloomberg U.S. 1-5 Year Treasury Bond Index.

# Portfolio Allocation As of December 31, 2023

Communications	15.6%
Consumer Discretionary	16.6
Consumer Staples	3.3
Energy	11.3
Financials	7.3
Health Care	9.0
Industrials	9.7
Materials	9.7
Real Estate	1.5
Technology	8.1
U.S. Government Securities	5.5
Utilities	2.4

The table reflects the portfolio's investments, except for short-term investments, derivatives and other financial instruments.

## **Financial Statements**

## Schedule of Investments

As of December 31, 2023

The portfolio files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The portfolio's Form N-PORT reports are available on the SEC's website at www.sec.gov.

		Maturity	Face Amount	Market Value*				Maturity	Face Amount	Market Value*
	Coupon	Date	(\$000)	(\$000)	_		Coupon	Date	(\$000)	(\$000)
U.S. Government and Agency Obligat	ions (5.2%	)			3	CCO Holdings LLC / CCO Holdings Capital Corp.	5.125%	5/1/27	1,055	1,021
U.S. Government Securities (5.2%)					3	CCO Holdings LLC / CCO Holdings	J. 12J 70	3/1/27	1,055	1,021
<sup>1</sup> United States Treasury Note/Bond	2.500%	5/15/24	4,675	4,627		Capital Corp.	5.000%	2/1/28	225	215
United States Treasury Note/Bond	4.250%	5/31/25	148	147	3	CCO Holdings LLC / CCO Holdings				
United States Treasury Note/Bond United States Treasury Note/Bond	2.875% 4.750%	6/15/25 7/31/25	135 342	132 344		Capital Corp.	5.375%	6/1/29	1,050	994
United States Treasury Note/Bond	5.000%	8/31/25	455	459	3	CCO Holdings LLC / CCO Holdings	C 27E 0/	0/1/20	1 200	1 104
1,2 United States Treasury Note/Bond	3.500%	9/15/25	1,228	1,210	3	Capital Corp. CCO Holdings LLC / CCO Holdings	6.375%	9/1/29	1,200	1,184
United States Treasury Note/Bond	5.000%	9/30/25	2,500	2,526		Capital Corp.	4.750%	3/1/30	450	412
United States Treasury Note/Bond	4.500%	11/15/25	877	880	3	CCO Holdings LLC / CCO Holdings		-, ,		
United States Treasury Note/Bond	4.000%	2/15/26	4,475	4,455		Capital Corp.	4.500%	8/15/30	3,465	3,129
United States Treasury Note/Bond	3.750%	4/15/26	7,031	6,967	3	CCO Holdings LLC / CCO Holdings				
United States Treasury Note/Bond	3.625%	5/15/26	2	2	3	Capital Corp.	4.250%	2/1/31	2,260	1,974
United States Treasury Note/Bond	4.500%	7/15/26	2,055	2,075	3	CCO Holdings LLC / CCO Holdings Capital Corp.	7.375%	3/1/31	1,350	1,384
United States Treasury Note/Bond	4.375%	8/15/26	1,283	1,292		CCO Holdings LLC / CCO Holdings	7.57570	3/1/31	1,550	1,504
United States Treasury Note/Bond United States Treasury Note/Bond	4.625% 0.875%	9/15/26 9/30/26	26 300	26 276		Capital Corp.	4.500%	5/1/32	3,731	3,199
United States Treasury Note/Bond	4.625%	10/15/26	501	509	3	CCO Holdings LLC / CCO Holdings				
United States Treasury Note/Bond	4.625%	11/15/26	108	110		Capital Corp.	4.500%	6/1/33	355	299
United States Treasury Note/Bond	2.375%	5/15/27	504	479	3	CCO Holdings LLC / CCO Holdings		4/45/04		054
United States Treasury Note/Bond	3.125%	8/31/27	50	49	3	Capital Corp.	4.250%	1/15/34	800	651
United States Treasury Note/Bond	4.125%	10/31/27	159	160	3	Clear Channel Outdoor Holdings Inc. Clear Channel Worldwide	9.000%	9/15/28	1,360	1,419
United States Treasury Note/Bond	3.875%	11/30/27	2,439	2,435		Holdings Inc.	5.125%	8/15/27	590	563
United States Treasury Note/Bond	1.250%	4/30/28	1,920	1,719	3	CSC Holdings LLC	5.500%	4/15/27	630	575
United States Treasury Note/Bond	3.500%	4/30/28	519	511	3	CSC Holdings LLC	11.250%	5/15/28	225	232
United States Treasury Note/Bond	1.125%	8/31/28	354	313	3	CSC Holdings LLC	6.500%	2/1/29	280	249
United States Treasury Note/Bond	1.375%	10/31/28	1,963	1,748	3	CSC Holdings LLC	5.750%	1/15/30	50	31
United States Treasury Note/Bond	2.375%	3/31/29	241	224	3	CSC Holdings LLC	4.125%	12/1/30	3,221	2,448
United States Treasury Note/Bond	3.750%	6/30/30	862	855 164	3	CSC Holdings LLC	4.625%	12/1/30	75	45
United States Treasury Note/Bond United States Treasury Note/Bond	4.000% 4.125%	7/31/30 8/31/30	163 1,140	164 1,156	3	CSC Holdings LLC	3.375%	2/15/31	1,560	1,146
United States Treasury Note/Bond	3.375%	5/15/33	1,140	1,150	3	CSC Holdings LLC	4.500%	11/15/31	3,015	2,280
United States Treasury Note/Bond	3.875%	8/15/33	221	221	3	CSC Holdings LLC	5.000%	11/15/31	600	361
United States Treasury Note/Bond	4.250%	5/15/39	1	1	J	Directy Financing LLC / Directy Financing Co-Obligor Inc.	5.875%	8/15/27	935	878
United States Treasury Note/Bond	4.500%	8/15/39	1,107	1,174		DISH DBS Corp.	5.875%	11/15/24	1,005	947
United States Treasury Note/Bond	4.625%	2/15/40	47	50		DISH DBS Corp.	7.375%	7/1/28	800	482
United States Treasury Note/Bond	3.875%	5/15/43	651	623	3	DISH DBS Corp.	5.750%	12/1/28	700	566
United States Treasury Note/Bond	3.000%	2/15/48	37	30	3	DISH Network Corp.	11.750%	11/15/27	1,310	1,367
United States Treasury Note/Bond	3.375%	11/15/48	451	394		Embarq Corp.	7.995%	6/1/36	350	216
United States Treasury Note/Bond	3.000%	2/15/49	19	16	3	Frontier Communications				
United States Treasury Note/Bond	3.625%	2/15/53	12	11		Holdings LLC	5.875%	10/15/27	485	468
United States Treasury Note/Bond	3.625%	5/15/53	14	13	3	Frontier Communications	E 0000/	E /1 /00	2.040	2 5 4 0
Total U.S. Government and Agency O	bligations	(Cost \$38,0	73)	38,398	3	Holdings LLC Frontier Communications	5.000%	5/1/28	3,840	3,548
Corporate Bonds (88.0%)						Holdings LLC	6.750%	5/1/29	380	340
Communications (14.9%)						Frontier Communications				
<sup>3</sup> Altice Financing SA	5.750%	8/15/29	1,585	1,401	2	Holdings LLC	5.875%	11/1/29	1,280	1,085
3,4 Altice France SA	2.125%	2/15/25	585	620	3	Frontier Communications	0.7500/	E/1E/20	40	11
3 Altice France SA	8.125%	2/1/27	400	368	3	Holdings LLC Frontier Communications	8.750%	5/15/30	40	41
<sup>3</sup> Altice France SA	5.500%	1/15/28	2,235	1,838		Holdings LLC	8.625%	3/15/31	960	979
3 Altice France SA	5.125%	7/15/29	1,610	1,253	3	Go Daddy Operating Co. LLC / GD	3.020 /0	5, . 5, 5 1	000	370
3 Altice France SA	5.500%	10/15/29	1,270	995		Finance Co. Inc.	3.500%	3/1/29	2,175	1,971
3,4 Banijay Entertainment SASU	7.000%	5/1/29	450	523	3	Iliad Holding SASU	6.500%	10/15/26	655	653
Danijay Entertaininent oAco	8.125%	5/1/29	900	927	3	Iliad Holding SASU	7.000%	10/15/28	1,225	1,219
Belo Corp. Belo Corp.	7.750% 7.250%	6/1/27 9/15/27	940 307	959 311		Lamar Media Corp.	3.750%	2/15/28	1,660	1,565
Cable One Inc.	4.000%	9/15/27	307 387	311 314		Lamar Media Corp.	4.875%	1/15/29	80	77
CCO Holdings LLC / CCO Holdings	4.000 /0	11/13/30	307	314		Lamar Media Corp.	4.000%	2/15/30	1,745	1,612
Capital Corp.	5.500%	5/1/26	1,398	1,389		Lamar Media Corp.	3.625%	1/15/31	1,406	1,252

			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
Level 3 Firmores (m.   3.87%   11/1628   186   157   7   101/778 (RC LUC / New Red Luc / New Red Level 3 Firmores (m.   4.000%   4.000%   4.000%   1.000   1.433   1.410   1.000   1.433   1.400   1.000   1.433   1.400   1.400   1.433   1.400   1.433   1.400   1.433   1.400   1.400   1.433   1.400   1.400   1.433   1.400   1.400   1.400   1.433   1.400   1	3	Level 3 Financing Inc.	3.625%	1/15/29	698	293	Co	onsumer Discretionary (15.6%)				
March Ground Norders SA	3	•						* * * * * * * * * * * * * * * * * * * *				
Maten Group Holdings II LLC		Level 3 i mancing inc.	10.500%	5/15/30	725	707			3.875%	1/15/28	1,395	1,319
Match Group Holdings ILLC		Lorda refección bondeo on	4.000%	9/18/27	1,685	1,810	3			4.45.00	4.500	4 400
March Book Problemgs   LLC   2,00%   20,00%		Mater Group Holdings II LLC					3		4.375%	1/15/28	1,500	1,433
Necestar Media Inc.		Match Group Holdings II LLC					3		2 500%	2/15/20	425	202
Machester Media Inc		Match Group Holdings II LLC					3		3.300%	2/10/29	420	392
Address   Control   Cont		News Corp.							4.000%	10/15/30	3.405	3.064
Cutrient Media Capital LCV   Cutrient Media C		Nexital Media IIIC.	4.750%	11/1/28	540	498	3				,	,
Description Media Capital LC / Cultrion Media Capital Corp.   4.625%   2/1501   1.016   1.167   2.272   2.127   Cultrion Media Capital Corp.   2.372   2.1281   1.086   1.168   1.1		Outiforit Media Capital LLC /	E 000%	0/15/07	01/	702						
Outfront Medica Capital LCP   4.025%   1/15/28   785   788   788   789   785   786   785   786   785   786	3		5.000 /6	0/13/27	014	793	3	American Builders & Contractors				
Description Medica Capital LC / Controm Medica Capital Controm Medica Capital Controm Medica Capital Control Con			4.250%	1/15/29	785	708			4.000%	1/15/28	1,316	1,249
Outfrom Media Capital LCP, Outfrom Media Capital Corp. Out	3			.,,			3					
Description Media Capital Corp.   275			4.625%	3/15/30	2,372	2,127		* * *				
Paramount Cickel Inc.	3	Outfront Media Capital LLC /					2					
Post		Outfront Media Capital Corp.			,		3					
ROBLOX Corp.   1.00   3.875%   17.1807   1.500   1.307   1.500   1.5							3					
Scrippe Escrow II line. 3.879%   37,143   1,530   1,537   1,540   1,377   3   3   3   3   3   3   3   3   3									5.000%	2/15/32	645	588
Scripps Escrow II hic.  Attribute Continuation II hid.  Scripps Escrow II hic.  Attribute Continuation II hid.  Scripps Escrow II hic.  Scripps Escrow II hic.  Scripps Escrow II hic.  Scripps Escrow II hic.  Attribute Continuation II hid.  Scripps Escrow II hic.  Scripps Escrow II hic.  Scripps Escrow II hic.  Scripps Escrow II hic.  Attribute Continuation II hid.  Scripps Escrow II hic.  Scripps Escrow II hic.		HOBLOX Corp.					3		6 6250/	1/15/20	O.E.	02
Scripps Scrivery Inc.  Scripps Scripps Scriver Inc.  Scripps Scrivery Inc.  Scripps Scripps Scrivery Inc.  Scripps		ocrippo Escrow II IIIC.					3		0.02576	1/13/20	95	93
Sirius XM Fladio Inc.   3,125%   91/26   310   293		ocrippo Escrow II IIIC.							4 625%	8/1/29	170	153
Sirius XM Padol Inc.		ocripps Escrow inc.					3		1.02070	0/1/20	170	100
Simus XM Fado Inc.		Silius XIVI Hadio IIIC.							4.625%	4/1/30	1,037	935
Sirius XM Hadio Inc.   3,875%   91/31   320   700   2		Silius XIVI Hadio IIIC.								1/15/27	529	540
Sprint LLC.		Silius XIVI Hadio IIIC.						Bath & Body Works Inc.	5.250%	2/1/28	40	40
TEGNA Inc.	3	JITUS AIVI HAUIO IIIC.					3	•			1,065	1,090
Telecom Italia Capital SA		·						Bath & Body Works Inc.	6.875%	11/1/35	150	152
Felecom Italia Capital SA								Bath & Body Works Inc.	6.750%	7/1/36	25	25
Felecom Italia Capital SA								Beacon Roofing Supply Inc.	4.125%	5/15/29	510	465
Telecom Italia Capital SA		·					3	Beacon Roofing Supply Inc.	6.500%	8/1/30	450	461
Telecom Italia Capital SA		·						Boyd Gaming Corp.	4.750%	12/1/27	3,660	3,531
Telecom Italia SpA   5.303%   5/30/24   670   667   867		·						Boyd Gaming Corp.	4.750%	6/15/31	265	243
Tellens Firstance Luxembourg Notes   Sart	3	·						Boyne USA Inc.	4.750%	5/15/29	240	226
Sart   Milk Holding BV   3,750%   31/28   600   564		refección italia opA	5.303 %	0/30/24	070	007		Builders FirstSource Inc.	5.000%	3/1/30	150	145
3.4   TMNL Holding BV   3.750%   1715/29   915   957   3   Caesars Entertainment Inc.   6.250%   7/17/25   2.299   2.299   3.750%   9915/27   450   466   3   Uber Technologies Inc.   6.250%   1715/28   250   252   3.065   3.151   3   Uber Technologies Inc.   6.250%   1715/28   250   252   3.065   3.151   3   Uber Technologies Inc.   6.250%   1715/28   250   252   3.065   3.151   3   Uber Technologies Inc.   6.250%   1715/28   250   252   3.065   3.151   3   Uber Technologies Inc.   6.250%   1715/28   250   252   3.065   3.151   3   Uber Technologies Inc.   6.250%   1715/28   250   252   3.065   3.151   3   Uber Technologies Inc.   6.250%   1715/28   250   252   3.065   3.151   3   Uber Technologies Inc.   6.250%   1715/28   250   252   3.065   3.151   3   Uber Technologies Inc.   6.250%   1715/28   2.630   2.481   3   Uber Technologies Inc.   6.250%   1715/28   3.060   3.655   3.065   3.151   3   Uber Technologies Inc.   6.250%   1715/28   3.060   3.655   3.065   3.		icicitet i illance Laxembourg Notes	5 500%	3/1/28	600	564						
Seasars Entertainment Inc.   Seasars Entert	3											
Seasific Head and Seasific H	3	<u> </u>										
Second   S	3	· ·										
Second   Communication   Com	3		6.250%		250	252			7.000%	2/15/30	3,065	3,151
Univision Communications Inc.   5,125%   2715/25   138   138   318   319   319   319   319   319   320   326   326   326   326   326   327   3	3		4.500%	8/15/29	1,600	1,526	3		E 7E00/	7/1/05	000	000
Inivision Communications Inc.   8,000%   8/15/28   950   982   3   Univision Communications Inc.   4,500%   5/1/29   55   49   49   3   Univision Communications Inc.   7,375%   6/30/30   155	3	Univision Communications Inc.	5.125%	2/15/25	138	138	3					
Univision Communications Inc.   4,500%   5/1/29   55   49   3   Univision Communications Inc.   7,375%   6/30/30   155   155   3   3   Univision Communications Inc.   7,375%   6/30/30   155   155   3   3   UPC Broadband Fince BV   4,875%   7/15/31   2,160   1,903   3   UPC Holding BV   5,500%   1/15/28   2,630   2,481   3   UPC Holding BV   5,500%   1/15/28   2,630   2,481   3   UPC Holding BV   5,500%   1/15/28   2,630   2,481   3   UPC Holding BV   5,500%   6/15/24   160   159   3   Urideotron Ltd.   5,375%   6/15/25   275   207   3   Urideotron Ltd.   5,125%   4/15/27   1,690   1,668   3   Urideotron Ltd.   3,625%   6/15/28   2,690   1,884   3   Urigin Media Secured Finance plc   4,500%   8/15/29   1,195   1,152   3   Urigin Media Secured Finance plc   4,500%   8/15/29   1,195   1,152   3   Urigin Media Vendor Financing Notes III DAC   4,875%   7/15/28   990   1,160   0,275   0   0,275   0   0,275		Offivision Communications inc.	8.000%	8/15/28	950	982						
DINIVISION Communications Inc.   73/5 %   6/30/30   15b   15b   15b   3		Offivialoff Coffiffications file.	4.500%	5/1/29	55	49		·				
DPC Broadband Finco BV 4.875% /1/6/31 2,160 1,903 3 Carnival Corp. 4.000% 8/1/28 3,070 2,853 Videotron Ltd. 5.375% 6/15/24 160 159 3 Carnival Corp. 7.000% 8/15/29 320 3349 Videotron Ltd. 5.625% 6/15/25 275 207 3 Carnival Corp. 10.500% 6/1/30 1,245 1,361 3 Videotron Ltd. 3.625% 6/15/28 2,690 1,884 3 Videotron Ltd. 3.625% 6/15/29 1,619 1,480 3 Videotron Ltd. 3.625% 6/15/29 1,619 1,480 3 Virgin Media Secured Finance plc 5.500% 5/15/29 1,195 1,152 3 Virgin Media Secured Finance plc Notes III DAC 4.875% 7/15/28 990 1,160 9 Virgin Media Vendor Financing Notes IV DAC 5.000% 7/15/28 1,275 1,200 3 Virgin Media Vendor Financing Notes IV DAC 5.000% 7/15/28 1,275 1,200 3 Virgin Media Vendor Financing BV 5.000% 1/15/32 1,705 1,461 0p VAGA cquisition Corp. 3.875% 7/15/30 1,645 1,489 3 VMG Acquisition Corp. 3.875% 7/15/30 1,645 1,489 3 VMG Acquisition Corp. 3.875% 7/15/30 1,645 1,489 3 VMG Acquisition Corp. 3.875% 7/15/30 1,645 1,489 3 Century Communities Inc. 6.750% 6/1/27 288 291 1,948 4 VMG Acquisition Corp. 3.875% 7/15/28 470 447 2 Churchill Downs Inc. 6.750% 5/1/25 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		Offiviation Communications inc.	7.375%		155	155	3	·				
OPC Flolding BV   1/15/28   2,630   2,481   3   Carnival Corp.   6,000%   5/1/29   3,600   3,459   3   Videotron Ltd.   5,375%   6/15/25   275   207   3   Carnival Corp.   7,000%   8/15/29   320   334   334   334   334   344   345		Of C Diodubatio Filico DV	4.875%	7/15/31	2,160	,	3					
Videotron Ltd.   5.3/5%   6/15/25   275   207   3   Carnival Corp.   7.000%   8/15/29   320   334		of C floiding by			2,630	2,481	3					
Videotron Ltd.		VIGEOTION Eta.					3	·				
Videotron Ltd.   3.625%   6/15/28   2,690   1,868   3   Carnival Holdings Bermuda Ltd.   10.375%   5/1/28   775   847   1,690   1,69		VIGCOTION Eta.					3	·				
3   Videotron Ltd.   3.625%   6/15/28   2,690   1,884   3   CDI Escrow Issuer Inc.   5.750%   4/1/30   1,100   1,071		VIGCOLIOIT Eta.					3	·				
Videotron Ltd.   3.625%   6/15/29   1,619   1,480   1,440   1,480   1,440   1,480   1,440   1,480   1,440   1,480   1,440   1,480   1,440   1,480   1,440   1,480   1,440   1,480   1,440   1,480   1,440   1,480   1,440   1,480   1,440		Vidootion Etd.					3	•				
Virgin Media Secured Finance plc 5.500% 5/15/29 1,195 1,152 3 Virgin Media Secured Finance plc 4.500% 8/15/30 1,390 1,237 Virgin Media Vendor Financing Notes III DAC 4.875% 7/15/28 990 1,160		VIGCOTION Eta.										
Virgin Media Secured Finance pic Notes III DAC 4.875% 7/15/28 990 1,160  3 Virgin Media Vendor Financing Notes IV DAC 5.000% 7/15/28 1,275 1,200 VZ Secured Financing BV 5.000% 1/15/28 1,275 1,461 Op 5.375% 4/15/27 700 686  3 WMG Acquisition Corp. 3.875% 7/15/30 1,645 1,489 3 Century Communities Inc. 3.875% 8/15/29 1,028 930 1,039 1,031 1,632 1,785 1,539 3 Churchill Downs Inc. 5.500% 4/1/27 545 45 45 1,948 5 1,9		virgin ivicala occarca i mance pic					3		0.20070	77.0720	.,000	.,
Notes III DAC  4.875% 7/15/28 990 1,160  Virgin Media Vendor Financing Notes IV DAC  5.000% 7/15/28 1,275 1,200  Vmed O2 UK Financing BV  5.000% 1/15/32 1,705 1,461  Op  6.86  VZ Secured Financing BV  5.000% 1/15/28 520 546  WMG Acquisition Corp. 3.875% 7/15/30 1,645 1,489  WMG Acquisition Corp. 3.875% 7/15/30 1,645 1,489  WMG Acquisition Corp. 3.000% 2/15/31 1,785 1,539  WMG Acquisition Corp. 4.875% 1/15/30 2,189 1,948  Ziggo BV  4.875% 1/15/28 990 1,160  Op  Cedar Fair LP / Canada's  Wonderland Co. / Magnum Management Corp. / Millennium Op  Century Communities Inc. 6.750% 6/1/27 288 291  Century Communities Inc. 3.875% 8/15/29 1,028 930  Churchill Downs Inc. 5.500% 4/1/27 55 54  Churchill Downs Inc. 4.750% 1/15/28 470 447  Churchill Downs Inc. 6.750% 5/1/31 140 142  Cinemark USA Inc. 8.750% 5/1/25 45 45  Cinemark USA Inc. 5.875% 3/15/26 330 324		virgin ivicala occarca i mance pic	4.500%	8/15/30	1,390	1,237						
Virgin Media Vendor Financing Notes IV DAC  Virgin Media Vendor Financing Notes IV DAC  Virgin Media Vendor Financing I plc  Virgin Management Cor. / Mallennium  Management Cor. / Millennium  Nanagement Cor. / Millennium  Nanagement	3	virgin ividala vender i manonig	4.0750/	7/15/00	000	1 100						
Notes IV DAC  Notes IV DAC  Very DAC	3		4.875%	//15/28	990	1,160		•	5.500%	5/1/25	55	55
3         Vmed O2 UK Financing I plc         4.250%         1/31/31         3,140         2,752         Management Corp. / Millennium Op         5.375%         4/15/27         700         686           3.4         VMG Acquisition Corp.         2.750%         7/15/28         520         546         Century Communities Inc.         6.750%         6/1/27         288         291           3         WMG Acquisition Corp.         3.875%         7/15/30         1,645         1,489         3         Century Communities Inc.         3.875%         8/15/29         1,028         930           3         WMG Acquisition Corp.         3.000%         2/15/31         1,785         1,539         3         Churchill Downs Inc.         5.500%         4/1/27         55         54           3         Ziggo BV         4.875%         1/15/30         2,189         1,948         3         Churchill Downs Inc.         4.750%         1/15/28         470         447           4         4.875%         1/15/30         2,189         1,948         3         Churchill Downs Inc.         4.750%         1/15/28         470         447           4         4.875%         1/15/30         2,189         1,948         3         Churchill Downs Inc.         6	_	virgin ivicala veriali i maneing	5 000%	7/15/29	1 275	1 200						
3   VZ Secured Financing BV   5.000%   1/15/32   1,705   1,461   Op   5.375%   4/15/27   700   686     3.4   WMG Acquisition Corp.   2.750%   7/15/28   520   546   Century Communities Inc.   6.750%   6/1/27   288   291     3   WMG Acquisition Corp.   3.875%   7/15/30   1,645   1,489   3   Century Communities Inc.   3.875%   8/15/29   1,028   930     3   WMG Acquisition Corp.   3.000%   2/15/31   1,785   1,539   3   Churchill Downs Inc.   5.500%   4/1/27   55   54     4.875%   1/15/30   2,189   1,948   3   Churchill Downs Inc.   4.750%   1/15/28   470   447     4.875%   1/15/30   2,189   1,948   3   Churchill Downs Inc.   6.750%   5/1/31   140   142     5   Cinemark USA Inc.   8.750%   5/1/25   45   45     6   Century Communities Inc.   6.750%   5/1/25   45   45     6   Century Communities Inc.   6.750%   6/1/27   288   291     7   Century Communities Inc.   6.750%   6/1/27   288   291     8   Century Communities Inc.   6.750%   6/1/27   55   54     8   Century Communities Inc.   6.750%   6/1/27   55   54     9   Century Communities Inc.   6.750%   6/1/27   55   54     8   Century Communities Inc.   6.750%   6/1/27   55   54     9   Century Communities Inc.   6.750%   6/1/27   55   54     9   Century Communities Inc.   6.750%   6/1/27   55   54     9   Century Communities Inc.   6.750%   6/1/27   55   54     1   Century Communities Inc.   6.750%   6/1/27   700   686     1   Century Communities Inc.   6.750%   6/1/27   700     1   Century Communities Inc.   6.750%   6/1/27   700     2   Century Communities Inc.   6.750%   6/1/27   700     3   Century Communities Inc.   6.750%   6/1/27	3											
3.4 WMG Acquisition Corp. 2.750% 7/15/28 520 546 Century Communities Inc. 6.750% 6/1/27 288 291  3 WMG Acquisition Corp. 3.875% 7/15/30 1,645 1,489 3 Century Communities Inc. 3.875% 8/15/29 1,028 930  3 WMG Acquisition Corp. 3.000% 2/15/31 1,785 1,539 3 Churchill Downs Inc. 5.500% 4/1/27 55 54  3 Ziggo BV 4.875% 1/15/30 2,189 1,948 3 Churchill Downs Inc. 4.750% 1/15/28 470 447  109,317 3 Churchill Downs Inc. 6.750% 5/1/31 140 142  3 Cinemark USA Inc. 8.750% 5/1/25 45 45  4 Cinemark USA Inc. 5.875% 3/15/26 330 324		viriou oz ott i ilulionig i pio							5.375%	4/15/27	700	686
3       WMG Acquisition Corp.       3.875%       7/15/30       1,645       1,489       3       Century Communities Inc.       3.875%       8/15/29       1,028       930         3       WMG Acquisition Corp.       3.000%       2/15/31       1,785       1,539       3       Churchill Downs Inc.       5.500%       4/1/27       55       54         3       Ziggo BV       4.875%       1/15/30       2,189       1,948       3       Churchill Downs Inc.       4.750%       1/15/28       470       447         4       7       109,317       109,317       100,000       100,000       1/12       45       45         5       7       100,000       100,0		12 000a.0a 1 manomg 21						•				
3 WMG Acquisition Corp. 3.000% 2/15/31 1,785 1,539 3 Churchill Downs Inc. 5.500% 4/1/27 55 54 3 Ziggo BV 4.875% 1/15/30 2,189 1,948 109,317 3 Churchill Downs Inc. 6.750% 5/1/31 140 142 4.875% 1/15/30 2,189 109,317 3 Churchill Downs Inc. 6.750% 5/1/31 140 142 5 Cinemark USA Inc. 8.750% 5/1/25 45 45 6 Cinemark USA Inc. 5.875% 3/15/26 330 324							3	•				
3 Ziggo BV 4.875% 1/15/30 2,189 1,948 70 447 109,317 3 Churchill Downs Inc. 4.750% 1/15/8 470 447 109,317 3 Churchill Downs Inc. 6.750% 5/1/31 140 142 3 Cinemark USA Inc. 8.750% 5/1/25 45 45 3 Cinemark USA Inc. 5.875% 3/15/26 330 324		vvivia / toquisition oorp.						•				
109,317 3 Churchill Downs Inc. 6.750% 5/1/31 140 142 3 Cinemark USA Inc. 8.750% 5/1/25 45 45 3 Cinemark USA Inc. 5.875% 3/15/26 330 324	3											
<sup>3</sup> Cinemark USA Inc. 8.750% 5/1/25 45 45 <sup>3</sup> Cinemark USA Inc. 5.875% 3/15/26 330 324		33		., ,	_,.00 _							
<sup>3</sup> Cinemark USA Inc. 5.875% 3/15/26 330 324						109,317	3					
							3					
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		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
3	Clarios Global LP / Clarios US					Sano	ds China Ltd.	4.625%	6/18/30	400	364
	Finance Co.	6.250%	5/15/26	547	547	Sand	ds China Ltd.	3.500%	8/8/31	1,005	837
3	Clarios Global LP / Clarios US					Serv	rice Corp. International	4.625%	12/15/27	370	360
3	Finance Co.	8.500%	5/15/27	1,454	1,464	Serv	rice Corp. International	5.125%	6/1/29	2,105	2,073
3	Clarios Global LP / Clarios US	C 7EO0/	E/1E/00	005	829		rice Corp. International	3.375%	8/15/30	705	619
	Finance Co. Dana Inc.	6.750% 5.625%	5/15/28 6/15/28	805 100	99		rice Corp. International	4.000%	5/15/31	1,790	1,603
	Dana Inc.	4.500%	2/15/32	85	74	Shee	edway Motorsports LLC /	4.0750/	11/1/07	1 000	000
	Ford Motor Co.	9.625%	4/22/30	60	74		peedway Funding II Inc.	4.875%	11/1/27 11/27/28	1,028	968
	Ford Motor Co.	3.250%	2/12/32	1,185	986		estry Inc.	7.350% 7.700%	11/27/28	290 300	304 316
	Ford Motor Credit Co. LLC	4.134%	8/4/25	380	369		estry Inc. estry Inc.	7.700%	11/27/30	275	294
	Ford Motor Credit Co. LLC	3.375%	11/13/25	270	258		or Morrison Communities Inc.	5.875%	6/15/27	450	453
	Ford Motor Credit Co. LLC	4.389%	1/8/26	200	194	Tayic	or Morrison Communities Inc.	5.125%	8/1/30	690	669
	Ford Motor Credit Co. LLC	6.950%	3/6/26	400	410		pur Sealy International Inc.	3.875%	10/15/31	589	497
	Ford Motor Credit Co. LLC	2.700%	8/10/26	1,530	1,417		er Armour Inc.	3.250%	6/15/26	1,410	1,333
	Ford Motor Credit Co. LLC	6.800%	5/12/28	445	465		ng Cruises Ltd.	9.125%	7/15/31	960	1,028
3	Gap Inc.	3.625%	10/1/29	745	636		am Carter Co.	5.625%	3/15/27	404	400
3	Gap Inc.	3.875%	10/1/31	570	470		ın Las Vegas LLC / Wynn Las	0.02070	0,10,27		.00
	Goodyear Tire & Rubber Co.	9.500%	5/31/25	465	473		egas Capital Corp.	5.500%	3/1/25	851	847
	Goodyear Tire & Rubber Co.	5.000%	7/15/29	680	642	<sup>3</sup> Wyn	in Las Vegas LLC / Wynn Las				
	Goodyear Tire & Rubber Co.	5.250%	7/15/31	685	624	Ve	egas Capital Corp.	5.250%	5/15/27	1,510	1,477
	Griffon Corp.	5.750%	3/1/28	300	295		ın Macau Ltd.	5.500%	1/15/26	650	633
3	Hanesbrands Inc.	4.875%	5/15/26	2,974	2,862		ın Macau Ltd.	5.500%	10/1/27	400	376
3	Hanesbrands Inc.	9.000%	2/15/31	830	813		ın Macau Ltd.	5.625%	8/26/28	160	148
3	Hilton Domestic Operating Co. Inc.	5.750%	5/1/28	254	255		ın Macau Ltd.	5.125%	12/15/29	1,640	1,459
3	Hilton Domestic Operating Co. Inc.	3.750%	5/1/29	475	439		in Resorts Finance LLC / Wynn	= 40=°/	40/4/00	70	٠.
	KB Home	4.800%	11/15/29	405	388		esorts Capital Corp.	5.125%	10/1/29	78	74
	KB Home	7.250%	7/15/30	225	234		in Resorts Finance LLC / Wynn	7.125%	2/15/21	1,175	1,223
3	KB Home	4.000%	6/15/31	1,335	1,203		esorts Capital Corp. ! Brands Inc.	4.750%	2/15/31 1/15/30	1,175	1,060
3	KFC Holding Co. / Pizza Hut					Tuiti	! Brands Inc.	3.625%	3/15/31	1,440	1,299
	Holdings LLC /Taco Bell of America LLC	4.750%	6/1/27	1,123	1,107		! Brands Inc.	4.625%	1/31/32	460	430
3	Light & Wonder International Inc.	7.000%	5/15/28	630	637	Tuiti	: Dianus inc.	4.02370	1/01/02	400 _	
3	Lithia Motors Inc.	4.625%	12/15/27	2,145	2,068	_					114,525
3	Lithia Motors Inc.	3.875%	6/1/29	465	422		ner Staples (3.2%)				
3	Lithia Motors Inc.	4.375%	1/15/31	400	364	Albe	ertsons Cos. Inc. / Safeway Inc. / ew Albertsons LP /				
3	Live Nation Entertainment Inc.	4.875%	11/1/24	435	431		bertsons LLC	6.500%	2/15/28	340	345
3	Live Nation Entertainment Inc.	3.750%	1/15/28	415	389		Foods Inc.	5.250%	9/15/27	2,470	2,248
3	Masonite International Corp.	5.375%	2/1/28	265	256		Foods Inc.	8.000%	9/15/28	855	900
3	Mattel Inc.	3.375%	4/1/26	825	786	3 Coty		5.000%	4/15/26	40	39
3	Melco Resorts Finance Ltd.	4.875%	6/6/25	600	583		Inc. / HFC Prestige		.,,		
3	Melco Resorts Finance Ltd.	5.250%	4/26/26	200	192		oducts Inc. / HFC Prestige				
3	Melco Resorts Finance Ltd.	5.375%	12/4/29	725	640	Int	ternational US LLC	4.750%	1/15/29	145	139
3	Meritage Homes Corp.	3.875%	4/15/29	295	271		Inc. / HFC Prestige				
	MGM Resorts International	6.750%	5/1/25	150	151		oducts Inc. / HFC Prestige	0.00=0/	7/45/00	700	704
	MGM Resorts International	5.750%	6/15/25	1,695	1,691		ternational US LLC	6.625%	7/15/30	760	781
3	Michaels Cos. Inc.	5.250%	5/1/28	1,625	1,296	3 Darli	ing Global Finance BV ing Ingredients Inc.	3.625% 5.250%	5/15/26	395	429
3	Michaels Cos. Inc.	7.875%	5/1/29	943	600	_	ing Ingredients Inc.	6.000%	4/15/27 6/15/30	855 175	842 175
3	NCL Corp Ltd.	8.375%	2/1/28	1,505	1,596	Dani	raizer Holdinas Inc.	4.750%	6/15/28	3,530	3,284
3	NCL Corp. Ltd.	8.125%	1/15/29	670	703	LITCI	raizer Holdings Inc.	4.375%	3/31/29	555	499
3	NCL Corp. Ltd.	7.750%	2/15/29	645	647	LIICI	b Weston Holdings Inc.	4.875%	5/15/28	180	176
	Newell Brands Inc.	5.200%	4/1/26	447	440		b Weston Holdings Inc.	4.125%	1/31/30	350	323
	Newell Brands Inc.	6.375%	9/15/27	986	984		ormance Food Group Inc.	6.875%	5/1/25	305	307
3	Newell Brands Inc.	6.625%	9/15/29	194	193		ormance Food Group Inc.	5.500%	10/15/27	3,115	3,072
3	Ontario Gaming GTA LP	8.000%	8/1/30	275	285		ormance Food Group Inc.	4.250%	8/1/29	1,625	1,491
3	Openlane Inc.	5.125%	6/1/25	245	241		Holdings Inc.	5.750%	3/1/27	204	203
Ü	PetSmart Inc. / PetSmart Finance Corp.	4.750%	2/15/28	1,265	1,189		Holdings Inc.	5.625%	1/15/28	2,245	2,222
3	PetSmart Inc. / PetSmart Finance	4.73070	2/13/20	1,203	1,105		Holdings Inc.	5.500%	12/15/29	1,535	1,482
	Corp.	7.750%	2/15/29	185	180		Holdings Inc.	4.625%	4/15/30	1,854	1,712
3	Royal Caribbean Cruises Ltd.	4.250%	7/1/26	295	285		Holdings Inc.	4.500%	9/15/31	1,220	1,097
3	Royal Caribbean Cruises Ltd.	5.500%	8/31/26	2,270	2,251	_	ed Natural Foods Inc.	6.750%	10/15/28	600	486
3	Royal Caribbean Cruises Ltd.	5.375%	7/15/27	1,345	1,325	_	Foods Inc.	6.875%	9/15/28	70	72
3	Royal Caribbean Cruises Ltd.	11.625%	8/15/27	835	911	_	Foods Inc.	4.625%	6/1/30	563	525
3	Royal Caribbean Cruises Ltd.	5.500%	4/1/28	890	878	_	Foods Inc.	7.250%	1/15/32	580	606
3	Royal Caribbean Cruises Ltd.	8.250%	1/15/29	1,851	1,968					_	23,455
3	Royal Caribbean Cruises Ltd.	9.250%	1/15/29	155	167	Energy	(10.8%)				20,400
3	Royal Caribbean Cruises Ltd.	7.250%	1/15/30	138	144		che Corp.	4.875%	11/15/27	1,550	1,486
	Sands China Ltd.	5.375%	8/8/25	600	591		che Corp.	4.375%	10/15/28	55	52
	Sands China Ltd.	5.650%	8/8/28	1,065	1,050	. 15 30	•		,		<u> </u>

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
3	Baytex Energy Corp.	8.500%	4/30/30	190	197	3	Rockies Express Pipeline LLC	4.800%	5/15/30	75	69
3	Blue Racer Midstream LLC / Blue	70050/	10/15/05	000	000	3	Rockies Express Pipeline LLC	7.500%	7/15/38	125	126
3	Racer Finance Corp. Blue Racer Midstream LLC / Blue	7.625%	12/15/25	260	263	3	Seadrill Finance Ltd.	8.375%	8/1/30	145	151
	Racer Finance Corp.	6.625%	7/15/26	475	473		SM Energy Co. SM Energy Co.	6.750% 6.625%	9/15/26 1/15/27	686 30	686 30
	Buckeye Partners LP	4.350%	10/15/24	150	147		SM Energy Co.	6.500%	7/15/28	509	509
3	Buckeye Partners LP	4.125%	3/1/25	1,781	1,731		Southwestern Energy Co.	5.375%	2/1/29	667	649
	Buckeye Partners LP	3.950%	12/1/26	288	273		Southwestern Energy Co.	5.375%	3/15/30	2,143	2,088
3	Buckeye Partners LP Buckeye Partners LP	4.125% 4.500%	12/1/27 3/1/28	715 2,734	682 2,595		Southwestern Energy Co.	4.750%	2/1/32	1,170	1,086
	Buckeye Partners LP	5.850%	11/15/43	500	2,595 405		Sunoco LP / Sunoco Finance Corp. Sunoco LP / Sunoco Finance Corp.	6.000%	4/15/27	1,930	1,936
	Cheniere Energy Partners LP	4.500%	10/1/29	151	144	3	Sunoco LP / Sunoco Finance Corp.	5.875% 7.000%	3/15/28 9/15/28	425 295	424 305
	Cheniere Energy Partners LP	4.000%	3/1/31	125	114		Sunoco LP / Sunoco Finance Corp.	4.500%	5/15/29	855	798
3	Chesapeake Energy Corp.	5.875%	2/1/29	505	495		Sunoco LP / Sunoco Finance Corp.	4.500%	4/30/30	1,400	1,297
3	Chesapeake Energy Corp.	6.750%	4/15/29	735	738		Targa Resources Partners LP / Targa				
3	Civitas Resources Inc. Civitas Resources Inc.	8.625% 8.750%	11/1/30 7/1/31	365 840	388 892		Resources Partners Finance Corp.	6.875%	1/15/29	725	749
3	CNX Resources Corp.	6.000%	1/15/29	175	168		Targa Resources Partners LP / Targa Resources Partners Finance Corp.	4 875%	2/1/31	740	718
3	CNX Resources Corp.	7.375%	1/15/31	560	566	3	Transocean Inc.	11.500%	1/30/27	80	84
	Continental Resources Inc.	4.375%	1/15/28	628	608	3	Transocean Inc.	8.750%	2/15/30	2,636	2,758
	Continental Resources Inc.	4.900%	6/1/44	955	771	3	Transocean Titan Financing Ltd.	8.375%	2/1/28	340	352
3	CrownRock LP / CrownRock	5.625%	10/15/25	E10	E00	3	Valaris Ltd.	8.375%	4/30/30	1,335	1,366
3	Finance Inc. Diamond Foreign Asset Co. /	5.025%	10/15/25	510	509	3	Venture Global Calcasieu Pass LLC Venture Global Calcasieu Pass LLC	3.875% 6.250%	8/15/29 1/15/30	1,620 955	1,459 952
	Diamond Finance LLC	8.500%	10/1/30	720	736	3	Venture Global Calcasieu Pass LLC	4.125%	8/15/31	1,900	1,679
3	DT Midstream Inc.	4.125%	6/15/29	2,885	2,660	3	Venture Global Calcasieu Pass LLC	3.875%	11/1/33	1,185	1,005
3	DT Midstream Inc.	4.375%	6/15/31	3,636	3,284	3	Venture Global LNG Inc.	8.125%	6/1/28	160	162
3	Enerflex Ltd.	9.000%	10/15/27	1,195	1,158	3	Venture Global LNG Inc.	9.500%	2/1/29	1,260	1,332
	EnLink Midstream LLC EnLink Midstream LLC	5.625% 5.375%	1/15/28 6/1/29	720 720	710 704	3	Venture Global LNG Inc.	8.375%	6/1/31	1,640	1,640
3	EnLink Midstream LLC	6.500%	9/1/30	1,035	1,056	3	Venture Global LNG Inc. Viper Energy Inc.	9.875% 7.375%	2/1/32 11/1/31	140 270	146 281
	EnLink Midstream Partners LP	4.150%	6/1/25	750	734	3	Weatherford International Ltd.	8.625%	4/30/30	1,700	1,772
	EnLink Midstream Partners LP	4.850%	7/15/26	841	828		Western Midstream Operating LP	3.100%	2/1/25	55	54
	EnLink Midstream Partners LP	5.600%	4/1/44	25	22		Western Midstream Operating LP	4.650%	7/1/26	678	667
	EnLink Midstream Partners LP	5.050%	4/1/45	1,120	930		Western Midstream Operating LP	4.500%	3/1/28	50	48
	EnLink Midstream Partners LP EQM Midstream Partners LP	5.450% 4.000%	6/1/47 8/1/24	663 233	584 231		Western Midstream Operating LP	4.050%	2/1/30	45	42
3	EQM Midstream Partners LP	6.000%	7/1/25	1,365	1,367		Western Midstream Operating LP Western Midstream Operating LP	5.450% 5.300%	4/1/44 3/1/48	370 92	335 80
	EQM Midstream Partners LP	4.125%	12/1/26	100	97		Western Midstream Operating Lr	5.300%	3/1/40	92 _	
3	EQM Midstream Partners LP	7.500%	6/1/27	95	98	E:	nancials (6.7%)				79,021
3	EQM Midstream Partners LP	6.500%	7/1/27	1,710	1,745	3	Acrisure LLC / Acrisure Finance Inc.	4.250%	2/15/29	2,600	2,369
3	EQM Midstream Partners LP	5.500%	7/15/28	916	911	3	Acrisure LLC / Acrisure Finance Inc.	6.000%	8/1/29	510	464
3	EQM Midstream Partners LP EQM Midstream Partners LP	4.500% 7.500%	1/15/29 6/1/30	990 820	937 884	3	AerCap Global Aviation Trust	6.500%	6/15/45	3,710	3,714
3	EQM Midstream Partners LP	4.750%	1/15/31	2,550	2,381		Aircastle Ltd.	4.125%	5/1/24	1,210	1,200
	Genesis Energy LP / Genesis			,	,	3	Alliant Holdings Intermediate LLC /	6.750%	4/15/28	1,175	1,203
2	Energy Finance Corp.	8.250%	1/15/29	280	288	3	Alliant Holdings Co-Issuer Alliant Holdings Intermediate LLC /	0.75076	4/10/20	1,175	1,203
3	Hess Midstream Operations LP	4.250%	2/15/30	55	51		Alliant Holdings Co-Issuer	7.000%	1/15/31	430	453
3	Kinetik Holdings LP Matador Resources Co.	6.625% 6.875%	12/15/28 4/15/28	215 1,150	220 1,171	3	Avolon Holdings Funding Ltd.	5.250%	5/15/24	1,630	1,621
3	Nabors Industries Inc.	9.125%	1/31/30	1,175	1,185	3	Compass Group Diversified	E 0E00/	4/15/00	205	007
3	Noble Finance II LLC	8.000%	4/15/30	2,123	2,216	3	Holdings LLC Credit Acceptance Corp.	5.250% 9.250%	4/15/29 12/15/28	395 1,088	367 1,162
	Occidental Petroleum Corp.	5.550%	3/15/26	210	212	3	Enact Holdings Inc.	6.500%	8/15/25	1,390	1,102
	Occidental Petroleum Corp.	3.400%	4/15/26	215	206	3	FirstCash Inc.	4.625%	9/1/28	640	598
	Occidental Petroleum Corp.	3.200%	8/15/26	100	95	3	FirstCash Inc.	5.625%	1/1/30	405	388
	Occidental Petroleum Corp. Occidental Petroleum Corp.	3.000% 6.375%	2/15/27 9/1/28	250 140	232 148	3	Freedom Mortgage Corp.	7.625%	5/1/26	360	356
	Ovintiv Inc.	7.200%	11/1/31	90	98	3	Freedom Mortgage Corp.	6.625%	1/15/27	140	133
	Ovintiv Inc.	7.375%	11/1/31	869	958	3	0 0 1	12.000%	10/1/28	1,000	1,090
	Ovintiv Inc.	6.500%	8/15/34	247	263	3	Freedom Mortgage Corp. GGAM Finance Ltd.	12.250% 7.750%	10/1/30 5/15/26	900 450	988 458
3	Permian Resources Operating LLC	5.375%	1/15/26	80	79	3	GGAM Finance Ltd.	8.000%	2/15/27	795	816
3	Permian Resources Operating LLC	7.750%	2/15/26	65	66	3	GGAM Finance Ltd.	8.000%	6/15/28	700	726
3	Permian Resources Operating LLC	6.875%	4/1/27	530	531	3	goeasy Ltd.	4.375%	5/1/26	896	862
3	Permian Resources Operating LLC Permian Resources Operating LLC	8.000% 5.875%	4/15/27 7/1/29	910 1,881	944 1,830	3	goeasy Ltd.	9.250%	12/1/28	635	679
3	Permian Resources Operating LLC	9.875%	7/1/23	550	611	3	HUB International Ltd.	7.000%	5/1/26	175	175
3	Permian Resources Operating LLC	7.000%	1/15/32	1,320	1,361	3	HUB International Ltd. HUB International Ltd.	5.625% 7.250%	12/1/29 6/15/30	735 2,400	703 2,534
_	Range Resources Corp.	8.250%	1/15/29	925	963	3	Intesa Sanpaolo SpA	5.017%	6/26/24	750	742
3	Range Resources Corp.	4.750%	2/15/30	1,762	1,632	3	Intesa Sanpaolo SpA	5.710%	1/15/26	1,810	1,804
J	Rockies Express Pipeline LLC	4.950%	7/15/29	75	72						

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
3	Ladder Capital Finance Holdings LLLP / Ladder Capital	5.0500/	40/4/05	05	0.4	3	CHS/Community Health Systems Inc.	8.000%	12/15/27	75	73
3	Finance Corp.  Ladder Capital Finance  Holdings LLLP / Ladder Capital	5.250%	10/1/25	65	64	3	CHS/Community Health Systems Inc. CHS/Community Health	6.000%	1/15/29	665	599
3	Finance Corp. Ladder Capital Finance	4.250%	2/1/27	400	377	3	Systems Inc. CHS/Community Health	5.250%	5/15/30	840	702
3	Holdings LLLP / Ladder Capital Finance Corp.	4.750%	6/15/29	1,025	924	3	Systems Inc. CHS/Community Health	4.750%	2/15/31	806	635
	Macquarie Airfinance Holdings Ltd.	8.125%	3/30/29	525	549	3	Systems Inc.	10.875%	1/15/32	925	971
3	MGIC Investment Corp.  Nationstar Mortgage Holdings Inc.	5.250% 5.500%	8/15/28 8/15/28	635 750	619 723	3	DaVita Inc.	3.750% 7.500%	2/15/31 7/1/30	1,120 320	919 330
3	Nationstar Mortgage Holdings Inc.	5.125%	12/15/30	2,474	2,254	3,4	Fortrea Holdings Inc. Grifols SA	2.250%	11/15/27	1,325	1,374
3	Nationstar Mortgage Holdings Inc.	5.750%	11/15/31	1,054	984	3	Grifols SA	4.750%	10/15/28	490	446
	Navient Corp.	6.750%	6/15/26	15	15		HCA Inc.	7.690%	6/15/25	80	83
	Navient Corp.	4.875%	3/15/28	248	231		HCA Inc.	5.875%	2/15/26	280	283
	Navient Corp.	5.500%	3/15/29	1,410	1,301		HCA Inc.	5.875%	2/1/29	275	284
	Navient Corp.	9.375%	7/25/30	255	269		HCA Inc.	3.500%	9/1/30	50	45
	Navient Corp.	5.625%	8/1/33	181	149	3	Hologic Inc.	3.250%	2/15/29	1,575	1,427
	OneMain Finance Corp.	7.125%	3/15/26	2,461	2,508	3	IQVIA Inc.	5.000%	5/15/27	3,578	3,522
	OneMain Finance Corp.	3.500%	1/15/27	1,430	1,327	3,4	IQVIA IIIG.	2.250%	1/15/28	1,200	1,242
	OneMain Finance Corp.	3.875%	9/15/28	985	872	3,4	IQVIA IIIC.	2.875%	6/15/28	1,555	1,632
	OneMain Finance Corp.	9.000%	1/15/29	1,318	1,394	3	IQVIA Inc.	6.250%	2/1/29	755	788
	OneMain Finance Corp.	7.875%	3/15/30	115	119	3	IQVIA Inc.	6.500%	5/15/30	470	484
3	OneMain Finance Corp. Park Aerospace Holdings Ltd.	4.000% 5.500%	9/15/30 2/15/24	965 155	826 155	3	Jazz Securities DAC	4.375%	1/15/29	750	699
3	PennyMac Financial Services Inc.	5.375%	10/15/25	1,045	1,034	3	LifePoint Health Inc. Medline Borrower LP	11.000%	10/15/30	390	411
3	PennyMac Financial Services Inc.	4.250%	2/15/29	1,045	959	3	Medline Borrower LP	3.875% 5.250%	4/1/29 10/1/29	4,425 2,489	4,002 2,351
3	PennyMac Financial Services Inc.	7.875%	12/15/29	530	547	3	Organon & Co. / Organon Foreign	5.25076	10/1/29	2,409	2,331
3	PennyMac Financial Services Inc.	5.750%	9/15/31	140	130		Debt CoIssuer BV	4.125%	4/30/28	2,890	2,660
	Radian Group Inc.	4.500%	10/1/24	1,710	1,687	3	Organon & Co. / Organon Foreign		.,,	_,	_,
	Radian Group Inc.	6.625%	3/15/25	175	175		Debt CoIssuer BV	5.125%	4/30/31	2,525	2,152
	Radian Group Inc.	4.875%	3/15/27	175	170	3	Owens & Minor Inc.	4.500%	3/31/29	455	401
3	Rocket Mortgage LLC / Rocket					3	Owens & Minor Inc.	6.625%	4/1/30	1,571	1,503
	Mortgage Co-Issuer Inc.	2.875%	10/15/26	175	162	3	Prestige Brands Inc.	5.125%	1/15/28	550	539
3	Rocket Mortgage LLC / Rocket	0.0050/	0/4/00	400	440	3	Prestige Brands Inc.	3.750%	4/1/31	200	176
3	Mortgage Co-Issuer Inc.	3.625%	3/1/29	130	118	3	Star Parent Inc.	9.000%	10/1/30	620	654
3	Rocket Mortgage LLC / Rocket Mortgage Co-Issuer Inc.	3.875%	3/1/31	345	304	3	Teleflex Inc.	4.250%	6/1/28	1,741	1,664
3	Rocket Mortgage LLC / Rocket	0.07070	0/1/01	0+0	50 <del>-1</del>		Tenet Healthcare Corp.	4.875%	1/1/26	495	490
	Mortgage Co-Issuer Inc.	4.000%	10/15/33	25	21		Tenet Healthcare Corp. Tenet Healthcare Corp.	5.125% 4.625%	11/1/27 6/15/28	355 1,030	347 982
3	United Wholesale Mortgage LLC	5.500%	11/15/25	375	373		Tenet Healthcare Corp.	6.125%	10/1/28	1,030	1,040
3	United Wholesale Mortgage LLC	5.750%	6/15/27	780	764		Tenet Healthcare Corp.	4.250%	6/1/29	495	461
3	United Wholesale Mortgage LLC	5.500%	4/15/29	320	303		Tenet Healthcare Corp.	4.375%	1/15/30	720	668
3	USI Inc.	7.500%	1/15/32	195	200		Tenet Healthcare Corp.	6.125%	6/15/30	1,445	1,461
					49,599	3	Tenet Healthcare Corp.	6.750%	5/15/31	1,790	1,832
He	ealth Care (8.4%)						Teva Pharmaceutical Finance				
3	Acadia Healthcare Co. Inc.	5.500%	7/1/28	625	616		Netherlands III BV	3.150%	10/1/26	1,340	1,240
3	Acadia Healthcare Co. Inc.	5.000%	4/15/29	825	795		Teva Pharmaceutical Finance	4.7500/	E /0 /0=	222	400
3,4	Avantor Funding Inc.	2.625%	11/1/25	1,881	2,028		Netherlands III BV	4.750%	5/9/27	200	192
3	Avantor Funding Inc.	4.625%	7/15/28	1,710	1,646		Teva Pharmaceutical Finance Netherlands III BV	6.750%	3/1/28	1,325	1,352
3	Avantor Funding Inc.	3.875%	11/1/29	345	314		Teva Pharmaceutical Finance	0.73070	J/ 1/20	1,020	1,302
	Bausch & Lomb Escrow Corp.	8.375%	10/1/28	1,805	1,905		Netherlands III BV	5.125%	5/9/29	585	559
3	Bausch Health Cos. Inc.	5.500%	11/1/25	525	483		Teva Pharmaceutical Finance		•		
3,4	Catalant Pharma Solutions Inc.	5.000%	7/15/27	630	611		Netherlands III BV	7.875%	9/15/29	505	544
4	Catalent Pharma Solutions Inc. Catalent Pharma Solutions Inc.	2.375% 2.375%	3/1/28	1,310 750	1,254 718		Teva Pharmaceutical Finance				
3	Catalent Pharma Solutions Inc.  Catalent Pharma Solutions Inc.	2.375% 3.125%	3/1/28 2/15/29	360	718 315		Netherlands III BV	8.125%	9/15/31	665	726
3	Catalent Pharma Solutions Inc.	3.125%	4/1/30	1,030	900		Teva Pharmaceutical Finance	4.100%	10/1/46	100	107
3	Charles River Laboratories						Netherlands III BV	4.100%	10/1/46	189 _	61,360
3	International Inc. Charles River Laboratories	4.250%	5/1/28	950	907		dustrials (8.7%)	0.0===:	0.44=1==		,
	International Inc.	3.750%	3/15/29	390	359	3	Air Canada	3.875%	8/15/26	1,480	1,416
3	Charles River Laboratories	4.000=:	0/1= := :		2.5	3	Allison Transmission Inc.	5.875%	6/1/29	60	60
3	International Inc.	4.000%	3/15/31	375	340	3	Allison Transmission Inc. American Airlines Inc.	3.750%	1/30/31	39	34
5	CHS/Community Health Systems Inc.	8.000%	3/15/26	734	732	3	American Airlines Inc. American Airlines Inc.	7.250% 8.500%	2/15/28 5/15/29	286 348	290 368
3	CHS/Community Health	0.00070	3/13/20	/ 34	132	3	American Airlines Inc. / AAdvantage	0.00070	0/10/28	340	300
	Systems Inc.	5.625%	3/15/27	2,545	2,365		Loyalty IP Ltd.	5.500%	4/20/26	650	645

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)			Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
3,7	American Airlines Inc. / AAdvantage					3	Ardagh Metal Packaging Finance				
2	Loyalty IP Ltd.	5.750%	4/20/29	849	828		USA LLC / Ardagh Metal	0.0500/	0/4/00	045	000
3	Aramark Services Inc.	5.000%	4/1/25	1,871	1,857	3	Packaging Finance plc Ardagh Metal Packaging Finance	3.250%	9/1/28	915	803
3	Aramark Services Inc.	5.000%	2/1/28	1,500	1,452		USA LLC / Ardagh Metal				
3	Bombardier Inc. BWX Technologies Inc.	8.750% 4.125%	11/15/30 6/30/28	350 1,058	373 982		Packaging Finance plc	4.000%	9/1/29	1,585	1,343
3	BWX Technologies Inc.	4.125%	4/15/29	1,324	1,227	3	Ardagh Packaging Finance plc /				
3	Chart Industries Inc.	7.500%	1/1/30	170	178		Ardagh Holdings USA Inc.	5.250%	4/30/25	200	195
3	Chart Industries Inc.	9.500%	1/1/31	235	256	3	Ardagh Packaging Finance plc /		0/45/00	4 400	4 000
3	Clean Harbors Inc.	4.875%	7/15/27	1,449	1,418	3.6	Ardagh Holdings USA Inc.  Ardagh Packaging Finance plc /	4.125%	8/15/26	1,190	1,088
3	Clean Harbors Inc.	5.125%	7/15/29	768	738	-,-	Ardagh Holdings USA Inc.	4.750%	7/15/27	160	147
3	Clean Harbors Inc.	6.375%	2/1/31	726	738	3	Ardagh Packaging Finance plc /	4.70070	7/10/27	100	177
3	Covanta Holding Corp.	4.875%	12/1/29	1,155	1,009		Ardagh Holdings USA Inc.	5.250%	8/15/27	1,790	1,391
	Delta Air Lines Inc.	3.750%	10/28/29	145	134	3	Ardagh Packaging Finance PLC /				
3	Emerald Debt Merger Sub LLC	6.625%	12/15/30	3,825	3,928		Ardagh Holdings USA Inc.	5.250%	8/15/27	450	348
3	First Student Bidco Inc. / First	4.0000/	7/01/00	0.447	0.100	3	Arsenal AIC Parent LLC	8.000%	10/1/30	890	936
3	Transit Parent Inc. Garda World Security Corp.	4.000% 7.750%	7/31/29 2/15/28	2,447 100	2,128 104	3	ASP Unifrax Holdings Inc.	5.250%	9/30/28	95	69
3	Garda World Security Corp.  Gates Global LLC / Gates Corp.	6.250%	1/15/26	821	822	3	ATI Inc.	7.250%	8/15/30	920	958
3	Hawaiian Brand Intellectual Property	0.230 /6	1/15/20	021	022	3	Avient Corp.	7.125%	8/1/30	1,513	1,569
	Ltd. / HawaiianMiles Loyalty Ltd.	5.750%	1/20/26	2,510	2,370	3	Axalta Coating Systems Dutch Holding B BV	72500/	2/15/21	780	021
3	Herc Holdings Inc.	5.500%	7/15/27	4,536	4,483	3	Axalta Coating Systems LLC	7.250% 3.375%	2/15/31 2/15/29	1,840	821 1,655
4	Loxam SAS	2.875%	4/15/26	655	699		Ball Corp.	5.250%	7/1/25	470	469
4	Loxam SAS	3.750%	7/15/26	400	436		Ball Corp.	4.875%	3/15/26	1,375	1,370
3	Mileage Plus Holdings LLC /					4	Ball Corp.	1.500%	3/15/27	1,295	1,339
	Mileage Plus Intellectual Property						Ball Corp.	6.875%	3/15/28	845	875
2	Assets Ltd.	6.500%	6/20/27	217	218		Ball Corp.	6.000%	6/15/29	750	765
3	Mueller Water Products Inc.	4.000%	6/15/29	75	69		Ball Corp.	2.875%	8/15/30	360	309
	Q-Park Holding I BV	1.500%	3/1/25	805	870		Ball Corp.	3.125%	9/15/31	425	366
3	Q-Park Holding I BV	2.000% 6.750%	3/1/27	895	912	3	Berry Global Inc.	4.500%	2/15/26	1,478	1,443
3	Ritchie Bros Holdings Inc. Roller Bearing Co. of America Inc.	4.375%	3/15/28 10/15/29	95 290	98 269	3	Berry Global Inc.	4.875%	7/15/26	1,270	1,251
3	Rolls-Royce plc	3.625%	10/15/29	810	782	3	Berry Global Inc.	5.625%	7/15/27	195	194
3	Rolls-Royce plc	5.750%	10/14/23	1,120	1,121	3	Canpack SA / Canpack US LLC	3.125%	11/1/25	235	224
3	Sensata Technologies BV	5.000%	10/1/25	1,400	1,402	3	Canpack SA / Canpack US LLC	3.875%	11/15/29	425	365
3	Sensata Technologies Inc.	4.375%	2/15/30	250	233		Celanese US Holdings LLC	6.350%	11/15/28	450	472
3	Sensata Technologies Inc.	3.750%	2/15/31	650	573		Celanese US Holdings LLC	6.550%	11/15/30	450	476
	Spirit AeroSystems Inc.	3.850%	6/15/26	65	63		Celanese US Holdings LLC	6.700%	11/15/33	450	489
3	Spirit AeroSystems Inc.	9.375%	11/30/29	1,711	1,873	3	Chemours Co. Chemours Co.	5.375% 5.750%	5/15/27 11/15/28	150 485	147 462
3	Spirit AeroSystems Inc.	9.750%	11/15/30	1,495	1,607	3	Chemours Co.	4.625%	11/15/26	2,349	2,062
3,4	TK Elevator Midco GmbH	4.375%	7/15/27	600	638	3	Cleveland-Cliffs Inc.	6.750%	3/15/26	687	691
3	TK Elevator US Newco Inc.	5.250%	7/15/27	1,010	991	3	Clydesdale Acquisition Holdings Inc.		4/15/29	770	757
3	TopBuild Corp.	3.625%	3/15/29	60	54	3	Clydesdale Acquisition Holdings Inc.		4/15/30	340	315
3	TopBuild Corp.	4.125%	2/15/32	275	246		Commercial Metals Co.	4.125%	1/15/30	225	206
3	TransDigm Inc.	6.250%	3/15/26	2,020	2,018		Commercial Metals Co.	3.875%	2/15/31	95	85
3	TransDigm Inc.	5.500%	11/15/27 8/15/28	425	417		Commercial Metals Co.	4.375%	3/15/32	605	546
_	TransDigm Inc. TransDigm Inc.	6.750% 4.625%	1/15/29	3,065 2,764	3,145 2,592	3	Constellium SE	5.875%	2/15/26	447	444
	TransDigm Inc.	4.875%	5/1/29	701	656	3	Constellium SE	5.625%	6/15/28	790	775
3	TransDigm Inc.	6.875%	12/15/30	1,240	1,277	3	Constellium SE	3.750%	4/15/29	980	892
3	TransDigm Inc.	7.125%	12/1/31	1,370	1,438		Crown Americas LLC	5.250%	4/1/30	580	571
3	Triumph Group Inc.	9.000%	3/15/28	606	644		Crown Americas LLC / Crown	4.7500/	0/1/06	1 640	1 607
3	United Airlines Inc.	4.375%	4/15/26	1,150	1,122	3,4	Americas Capital Corp. VI Crown European Holdings SA	4.750% 2.875%	2/1/26 2/1/26	1,640 755	1,627 817
3	United Airlines Inc.	4.625%	4/15/29	1,605	1,496	3	Element Solutions Inc.	3.875%	9/1/28	1,286	1,186
7	United Airlines Pass Through Trust					3	FMG Resources August 2006 Pty	3.07370	3/1/20	1,200	1,100
	Class A Series 2020-1	5.875%	4/15/29	479	484		Ltd.	5.875%	4/15/30	745	739
	United Rentals North America Inc.	5.500%	5/15/27	638	640	3	FMG Resources August 2006 Pty		, -, -		
	United Rentals North America Inc.	4.875%	1/15/28	1,674	1,635		Ltd.	4.375%	4/1/31	1,025	927
	United Rentals North America Inc.	5.250%	1/15/30	640	632	3	FMG Resources August 2006 Pty		.,		
	United Rentals North America Inc.	4.000%	7/15/30	1,895	1,746		Ltd.	6.125%	4/15/32	535	539
	United Rentals North America Inc.	3.875%	2/15/31	881	801	2	Graphic Packaging International LLC		8/15/24	1,045	1,032
3	United Rentals North America Inc.	3.750%	1/15/32	625	555 363	3	Graphic Packaging International LLC	4.750%	7/15/27	205	200
3	WESCO Distribution Inc. Williams Scotsman Inc.	7.125% 4.625%	6/15/25 8/15/28	360 430	363 407	3	Graphic Packaging International LLC		3/15/28	1,890	1,765
3	Williams Scotsman Inc. Williams Scotsman Inc.	4.625% 7.375%	8/15/28 10/1/31	430 615	407 649	3	Graphic Packaging International LLC		3/1/29	315	285
	vanianio ocotonian inc.	1.010/0	10/1/01	010 _	-	3	Graphic Packaging International LLC Hudbay Minerals Inc.	3.750% 6.125%	2/1/30	435 950	394 934
	(0.00()				63,709	3	Kaiser Aluminum Corp.	4.625%	4/1/29 3/1/28	280	934 259
M 3	aterials (9.2%)	E 0000/	0/00/07	475	170	3	Kaiser Aluminum Corp. Kaiser Aluminum Corp.	4.625%	3/1/28 6/1/31	526	259 454
3	Advanced Drainage Systems Inc.	5.000%	9/30/27	175	170	3	NOVA Chemicals Corp.	5.250%	6/1/27	864	811
2	Advanced Drainage Systems Inc.	6.375%	6/15/30	485	492	3	NOVA Chemicals Corp.	8.500%	11/15/28	400	420

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)	_		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
3	NOVA Chemicals Corp.	4.250%	5/15/29	145	122	3	VICITIOPOLICO EL / VICITIOIC CO.				
3	Novelis Corp.	3.250%	11/15/26	895	842	3	Inc.	3.750%	2/15/27	283	267
3	Novelis Corp.	4.750%	1/30/30	1,419	1,337	3	VICI Properties LP / VICI Note Co. Inc.	4.625%	12/1/29	495	467
3	Novelis Corp.	3.875%	8/15/31	1,523	1,343		IIIC.	4.025 /0	12/1/23	490 _	
	OCI NV Olin Corp.	4.625% 5.125%	10/15/25 9/15/27	555 115	541 112	_	(    (C 00/)				10,484
3	Olympus Water US Holding Corp.	7.125%	10/1/27	300	300	] ( 3	echnology (6.8%)	6 E000/	2/15/20	2 560	2 220
3	Olympus Water US Holding Corp.	4.250%	10/1/27	579	523	3	AthenaHealth Group Inc. Black Knight InfoServ LLC	6.500% 3.625%	2/15/30 9/1/28	2,568 1,569	2,330 1,494
3	Olympus Water US Holding Corp.	9.750%	11/15/28	1,230	1,311		Block Inc.	2.750%	6/1/26	1,250	1,434
3	Olympus Water US Holding Corp.	6.250%	10/1/29	345	308		Block Inc.	3.500%	6/1/31	525	466
3	Owens-Brockway Glass						CDW LLC / CDW Finance Corp.	5.500%	12/1/24	62	62
	Container Inc.	6.375%	8/15/25	1,245	1,255		CDW LLC / CDW Finance Corp.	4.125%	5/1/25	815	799
3	Owens-Brockway Glass	0.00=0/	E /4 O /O =	005	0.07		CDW LLC / CDW Finance Corp.	4.250%	4/1/28	595	571
3	Container Inc.	6.625%	5/13/27	805	807	3	Central Parent LLC / CDK Global				
3	Owens-Brockway Glass Container Inc.	7.250%	5/15/31	645	655		II LLC/CDK Financing Co. Inc.	8.000%	6/15/29	440	459
3	Pactiv Evergreen Group	7.230 70	3/13/31	043	000	3	Cloud Software Group Inc.	6.500%	3/31/29	380	362
	Issuer Inc./Pactiv Evergreen					3	Cloud Software Group Inc.	9.000%	9/30/29	295	280
	Group Issuer LLC	4.000%	10/15/27	525	493	3	Coherent Corp.	5.000%	12/15/29	1,775	1,687
3	Pactiv Evergreen Group Issuer LLC /					3	CommScope Inc. CommScope Inc.	8.250% 7.125%	3/1/27 7/1/28	40 700	21 335
	Pactiv Evergreen Group	4.0750/	10/15/00	105	107	3	CommScope Technologies LLC	6.000%	6/15/25	185	151
3	Issuer Inc.	4.375% 4.000%	10/15/28 12/1/27	135 275	127 259	3	CommScope Technologies LLC	5.000%	3/15/27	120	51
3	Sealed Air Corp. Sealed Air Corp.	6.125%	2/1/28	395	399	3	Entegris Escrow Corp.	4.750%	4/15/29	1,120	1,079
3	Sealed Air Corp.	5.000%	4/15/29	335	326	3	Entegris Escrow Corp.	5.950%	6/15/30	560	556
3	Sealed Air Corp.	6.875%	7/15/33	55	58	3	Entegris Inc.	4.375%	4/15/28	1,845	1,756
3	Sealed Air Corp./Sealed Air Corp US	7.250%	2/15/31	290	308	3	Entegris Inc.	3.625%	5/1/29	840	758
	Silgan Holdings Inc.	4.125%	2/1/28	620	592	3	Fair Isaac Corp.	4.000%	6/15/28	987	934
4	Silgan Holdings Inc.	2.250%	6/1/28	1,320	1,338	3	Gartner Inc.	3.625%	6/15/29	125	113
3	SNF Group SACA	3.125%	3/15/27	430	392	3	Gartner Inc.	3.750%	10/1/30	595	527
3	SNF Group SACA	3.375%	3/15/30	160	137	3	Gen Digital Inc.	5.000%	4/15/25	3,035	3,018
3	Standard Industries Inc.	5.000%	2/15/27	425	414	3	GTCR W-2 Merger Sub LLC	7.500%	1/15/31	1,675	1,777
3	Standard Industries Inc.	4.750%	1/15/28	1,310	1,262	3	Imola Merger Corp.	4.750%	5/15/29	6,655	6,316
3	Standard Industries Inc.	4.375%	7/15/30	1,594	1,463	3	McAfee Corp.	7.375%	2/15/30	2,745	2,513
3	Standard Industries Inc.	3.375%	1/15/31	2,105	1,808	3	MSCI Inc.	4.000%	11/15/29	880	827
3	Summit Materials LLC / Summit						MSCI Inc.	3.625%	11/1/31	10	9
	Materials Finance Corp	7.250%	1/15/31	170	179	3	NCR Atleos Corp.	9.500%	4/1/29	1,105	1,177
4	Trivium Packaging Finance BV	3.750%	8/15/26	1,000	1,068		Nokia of America Corp.	6.500%	1/15/28	1,355	1,261
3,4	miviani i dokaging i manoo bi	3.750%	8/15/26	480	512		Nokia of America Corp.	6.450%	3/15/29	2,612	2,564
3	Trivium Packaging Finance BV	5.500%	8/15/26	1,155	1,136	3	Nokia OYJ Open Text Corp.	6.625% 3.875%	5/15/39 2/15/28	420 1,878	417 1,742
3	Trivium Packaging Finance BV Tronox Inc.	8.500% 4.625%	8/15/27 3/15/29	300 1,365	295 1,208	3	Open Text Corp.	3.875%	12/1/29	1,300	1,166
3	Windsor Holdings III LLC	8.500%	6/15/30	900	944	3	Open Text Holdings Inc.	4.125%	2/15/30	1,825	1,655
3	WR Grace Holdings LLC	5.625%	8/15/29	490	433	3	Open Text Holdings Inc.	4.125%	12/1/31	840	742
3	WR Grace Holdings LLC	7.375%	3/1/31	400	400	3	Presidio Holdings Inc.	4.875%	2/1/27	2,437	2,383
	VVII diddo riolanigo EEO	7.07070	0/1/01	_		3	Presidio Holdings Inc.	8.250%	2/1/28	450	454
D	and Fetate (1.40/)				67,741	3	PTC Inc.	3.625%	2/15/25	435	425
3	eal Estate (1.4%) Cushman & Wakefield US					3	PTC Inc.	4.000%	2/15/28	385	364
	Borrower LLC	8.875%	9/1/31	680	719	3	Seagate HDD Cayman	8.250%	12/15/29	265	286
3	Greystar Real Estate Partners LLC	7.750%	9/1/30	265	280	3	Seagate HDD Cayman	8.500%	7/15/31	240	261
3	Iron Mountain Inc.	4.875%	9/15/27	1,070	1,043	3	SS&C Technologies Inc.	5.500%	9/30/27	4,310	4,255
3	Iron Mountain Inc.	5.250%	3/15/28	15	15		Western Digital Corp.	4.750%	2/15/26	404	396
3	Iron Mountain Inc.	5.000%	7/15/28	130	125		Western Digital Corp.	2.850%	2/1/29	95	82
3	Iron Mountain Inc.	7.000%	2/15/29	1,080	1,114						50,058
3	Iron Mountain Inc.	4.875%	9/15/29	1,759	1,661	U	Itilities (2.3%)				
3	Iron Mountain Inc.	5.250%	7/15/30	1,010	961		AmeriGas Partners LP / AmeriGas				
3	Iron Mountain Inc.	4.500%	2/15/31	303	275		Finance Corp.	5.500%	5/20/25	745	735
3	Iron Mountain Inc.	5.625%	7/15/32	265	251		AmeriGas Partners LP / AmeriGas	E 0750/	0/00/00	0.005	0.000
3	Iron Mountain Information	E 0000/	7/15/00	40	40		Finance Corp.	5.875%	8/20/26	2,665	2,633
	Management Services Inc.	5.000%	7/15/32	13	12		AmeriGas Partners LP / AmeriGas Finance Corp.	5.750%	5/20/27	225	219
	MPT Operating Partnership LP / MPT Finance Corp.	4.625%	8/1/29	865	627	3	AmeriGas Partners LP / AmeriGas	J. / JU /0	J  Z U  Z /	220	213
	MPT Operating Partnership LP /	4.02070	0/1/29	000	027		Finance Corp.	9.375%	6/1/28	1,220	1,263
	MPT Finance Corp.	3.500%	3/15/31	460	288	3		4.500%	2/15/28	400	380
	SBA Communications Corp.	3.875%	2/15/27	385	370	3	Calpine Corp.	5.125%	3/15/28	530	508
	SBA Communications Corp.	3.125%	2/1/29	450	405	3	Calpine Corp.	4.625%	2/1/29	335	311
3	VICI Properties LP / VICI Note Co.		•			3	Clearway Energy Operating LLC	4.750%	3/15/28	571	550
	Inc.	5.625%	5/1/24	50	50	3	Clearway Energy Operating LLC	3.750%	2/15/31	2,905	2,561
3	VICI Properties LP / VICI Note Co.					3	Clearway Energy Operating LLC	3.750%	1/15/32	556	483
	Inc.	4.250%	12/1/26	1,615	1,554		FirstEnergy Corp.	4.150%	7/15/27	35	34

_		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
3	NextEra Energy Operating Partners LP	4.250%	7/15/24	1,093	1,083
3	NextEra Energy Operating Partners LP	4.250%	9/15/24	103	100
3	NextEra Energy Operating Partners LP	3.875%	10/15/26	2,030	1,936
3	NextEra Energy Operating Partners LP	4.500%	9/15/27	650	626
3	NextEra Energy Operating Partners LP	7.250%	1/15/29	1,035	1,084
3	Suburban Propane Partners LP / Suburban Energy Finance Corp.	5.000%	6/1/31	415	380
3	TransAlta Corp.	7.750%	11/15/29	75	80
3	Vistra Operations Co. LLC	5.625%	2/15/27	305	302
3	Vistra Operations Co. LLC Vistra Operations Co. LLC	4.375% 7.750%	5/1/29 10/15/31	850 885	788 919
	vistra Operations Co. LLC	7.75076	10/15/51	- 000	
_					16,975
To	tal Corporate Bonds (Cost \$658,598)	)			646,244
Flo	pating Rate Loan Interests (2.7%)				
8	American Airlines Inc. Term Loan,				
8	TSFR3M + 4.750% Arsenal AIC Parent LLC Term Loan,	10.427%	4/20/28	1,189	1,221
8	TSFR1M + 4.500% Asurion LLCTerm Loan B-11,	9.856%	8/18/30	259	260
8	TSFR1M + 4.250% Athenahealth Group Inc. Term Loan	9.706%	8/19/28	279	277
8	B, TSFR1M + 3.250% Belron Finance US LLC Term Loan,	8.606%	2/15/29	561	558
8	TSFR3M + 2.500% Brown Group Holding LLCTerm	7.995%	4/18/29	149	149
8	Loan B, TSFR1M + 2.750% Chemours Co. Term Loan B,	8.206%	6/7/28	491	491
8	TSFR1M + 2.500% Clarios Global LP Incremental Term	7.856%	8/18/28	553	551
8	Loan, TSFR1M + 3.750% Cloud Software Group Inc. Term	9.106%	5/6/30	849	849
8	Loan B, TSFR3M + 4.500% CommScope Inc. Term Loan B,	9.990%	3/30/29	1,168	1,141
8	TSFR1M + 3.250% Cushman & Wakefield US	8.720%	4/6/26	352	314
0	Borrower LLC Term Loan B, TSFR1M + 4.000%	9.356%	1/31/30	420	419
8	DirecTV Financing LLC Term Loan, TSFR3M + 5.000%	10.650%	8/2/27	134	134
8	Dun & Bradstreet Corp. Term Loan B, TSFR1M + 2.750%	8.205%	2/6/26	1,654	1,657
8	First Student Bidco Inc. Term Loan B, TSFR3M + 3.000%	8.360%	7/21/28	648	643
8,9	First Student Bidco Inc. Term Loan C, TSFR3M + 3.000%	8.360%	7/21/28	206	205
8	GTCR W Merger Sub LLC HUB International Ltd. Term Loan B, TSFR3M + 4.250%	—% 9.662%	9/20/30	545 936	547 941
8	IRB Holding Corp. Term Loan B, TSFR1M + 3.000%	8.456%	12/15/27	1,380	1,380
8	McAfee LLC Term Loan B, TSFR1M + 3.750%	9.193%	3/1/29	839	833
8	Medline Borrower LP Term Loan B, TSFR1M + 3.000%	8.470%	10/23/28	1,771	1,776
8	Mileage Plus Holdings LLC Term Loan B, TSFR3M + 5.250%	10.770%	6/21/27	847	875
8	NCR Atleos LLC Term Loan B, TSFR1M + 4.750%	10.206%	3/27/29	400	398
8	NorthRiver Midstream Finance LP	. 5.255 /0	5,2,120	,00	330
8	Term Loan B, TSFR3M + 3.000% Peraton Corp. Term Loan B, TSFR1M	8.395%	8/16/30	708	709
8	+ 3.750% SBA Senior Finance II LLC Term	9.206%	2/1/28	386	387
	Loan B, TSFR1M + 1.750%	7.210%	4/11/25	567	568

		Coupon	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
8	SkyMiles IP Ltd. Term Loan B,				
	TSFR3M + 3.750%	9.166%	10/20/27	962	984
8	SS&C Technologies Inc. Term Loan B-5, TSFR1M + 1.750%	7.220%	4/16/25	926	926
8	Star Parent Inc. Term Loan B,				
	TSFR3M + 4.000%	9.348%	9/27/30	165	164
8	Trans Union LLC Term Loan B-6,				
	TSFR1M + 2.250%	7.606%	12/1/28	233	233
8	TransDigm Inc. Term Loan I,				
	TSFR3M + 3.250%	8.598%	8/24/28	170	171
To	tal Floating Rate Loan Interests (Co	st \$19,587)	1		19,761
				Shares	
Te	mporary Cash Investments (3.0%)				
Mo	oney Market Fund (0.7%)				

Vanguard Market Liquidity Fund	5.435%		52,021	5,201
		Maturity Date	Face Amount (\$000)	
Repurchase Agreement (1.6%)				
Bank of America Securities LLC (Dated 12/29/23, Repurchase Value \$11,407,000, collateralized by Fannie Mae 2.000%–6.500%, 8/1/30–10/1/53, Freddie Mac 2.500%–4.500%, 8/1/47–3/1/53, and Ginnie Mae 4.000%–8.500%, 11/20/24–12/20/53, with a value of \$11,628,000)	5.340%	1/2/24	11,400	11,400
11.6.6	10 70/	,		

## U.S. Government and Agency Obligations (0.7%) United States Treasury Bill 5.435% 1/11/24

United States Treasury Bill	5.367%	10/31/24	1,000	961
				5,505
Total Temporary Cash Investments	(Cost \$22,102	2)		22,106
Total Investments (98.9%) (Cost \$7	'38,360)			726,509
Other Assets and Liabilities—Net (	1.1%)			8,382
Net Assets (100%)				734 891

4.550

4,544

Cost is in \$000

- See Note A in Notes to Financial Statements.
- 1 Securities with a value of \$2,133,000 have been segregated as initial margin for open centrally cleared swap contracts.
- 2 Securities with a value of \$162,000 have been segregated as initial margin for open futures contracts.
- 3 Security exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be sold in transactions exempt from registration, normally to qualified institutional buyers. At December 31, 2023, the aggregate value was \$504,197,000, representing 68.6% of net assets.
- 4 Face amount denominated in euro.
- 5 Face amount denominated in Canadian dollars.
- 6 Face amount denominated in British pounds.
- 7 The average or expected maturity is shorter than the final maturity shown because of the possibility of interim principal payments and prepayments or the possibility of the issue being called.
- 8 Variable-rate security; rate shown is effective rate at period end. Certain variable-rate securities are not based on a published reference rate and spread but are determined by the issuer or agent based on current market conditions.
- 9 Represents an unsettled loan as of December 31, 2023. The coupon rate is not known until the settlement date.
- 10 Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.

  PAC Presidented Activity Company

DAC—Designated Activity Company.

TSFR1M—CME Term Secured Overnight Financing Rate 1-Month. TSFR3M—CME Term Secured Overnight Financing Rate 3-Month.

Futures Contracts			of Period E					
i utures contracts								
							(\$0	000
			Expiratio	Lo	lumber of ong (Short Contracts		1.1	zed ion
Long Futures Contracts								
2-Year U.S. Treasury Note			March 202	4	28	5,760	6	51
5-Year U.S. Treasury Note			March 202	4	29	3,15	4	40
10-Year U.S. Treasury Note	9		March 202	4	10	1,129	9	25
Ultra 10-Year U.S. Treasury	/ Note		March 202	4	21	2,478	8	88
Ultra Long U.S. Treasury B	Bond		March 202	4	3	40	1	23
							2	227
Short Futures Contracts								
10-Year U.S. Treasury Note	9		March 202	4	(69)	(7,789	) (2	79)
Long U.S. Treasury Bond			March 202	4	(1)	(125	j)	_
Ultra Long U.S. Treasury B	Bond		March 202	4	(3)	(401	) (:	39)
							(3	18)
								91)
Forward Currency Contrac	ot c							
Torward Currency Contract	Contract					Unrealize	ed Unrealiz	
	Settlement			ract Am	ount (000)	Appreciatio	n Depreciat	zed
			Receive		Deliver	(\$00		ion
Counterparty	Date							ion (000)
Barclays Bank plc	1/31/24	USD	2,214	CAD	2,951	-		ion (14)
Barclays Bank plc Barclays Bank plc	1/31/24 1/31/24	USD	2,214 20,767	EUR	18,944	-		ion (00) (14) 173)
Barclays Bank plc Barclays Bank plc UBS AG	1/31/24 1/31/24 1/31/24	USD	2,214 20,767 1,235	EUR	18,944	-		(14) (173) (10)
Barclays Bank plc Barclays Bank plc	1/31/24 1/31/24	USD	2,214 20,767	EUR	18,944	- - -		(14) (173) (10) (6)
Barclays Bank plc Barclays Bank plc UBS AG Barclays Bank plc	1/31/24 1/31/24 1/31/24	USD	2,214 20,767 1,235	EUR	18,944	- - - -		(14) (173) (10)
Barclays Bank plc Barclays Bank plc UBS AG Barclays Bank plc CAD—Canadian dollar.	1/31/24 1/31/24 1/31/24	USD	2,214 20,767 1,235	EUR	18,944	- - - - -		(14) (173) (10) (6)
Barclays Bank plc Barclays Bank plc UBS AG Barclays Bank plc CAD—Canadian dollar. EUR—euro.	1/31/24 1/31/24 1/31/24	USD	2,214 20,767 1,235	EUR	18,944	- - - -		(14) (173) (10) (6)
Barclays Bank plc Barclays Bank plc UBS AG Barclays Bank plc CAD—Canadian dollar.	1/31/24 1/31/24 1/31/24	USD	2,214 20,767 1,235	EUR	18,944	- - - -		(14) (173) (10) (6)
Barclays Bank plc Barclays Bank plc UBS AG Barclays Bank plc CAD—Canadian dollar. EUR—euro. GBP—British pound.	1/31/24 1/31/24 1/31/24 1/31/24	USD	2,214 20,767 1,235	EUR	18,944	- - - -		(14) (173) (10) (6)
Barclays Bank plc Barclays Bank plc UBS AG Barclays Bank plc CAD—Canadian dollar. EUR—euro. GBP—British pound. USD—U.S. dollar.	1/31/24 1/31/24 1/31/24 1/31/24	USD	2,214 20,767 1,235	EUR	18,944	Periodic		(14) (173) (10) (6) (203)
Barclays Bank plc Barclays Bank plc UBS AG Barclays Bank plc CAD—Canadian dollar. EUR—euro. GBP—British pound. USD—U.S. dollar.	1/31/24 1/31/24 1/31/24 1/31/24	USD	2,214 20,767 1,235	EUR	18,944	Periodic Premium	— (1)———————————————————————————————————	(14) (173) (10) (6) (203)
Barclays Bank plc Barclays Bank plc UBS AG Barclays Bank plc CAD—Canadian dollar. EUR—euro. GBP—British pound. USD—U.S. dollar. Centrally Cleared Credit D	1/31/24 1/31/24 1/31/24 1/31/24	USD USD USD	2,214 20,767 1,235 1,380	EUR EUR GBP	18,944 1,126 1,087	Periodic Premium Received (Paid) <sup>1</sup> Val	Unrealiz Appreciat	zed (ion)
Barclays Bank plc Barclays Bank plc UBS AG Barclays Bank plc CAD—Canadian dollar. EUR—euro. GBP—British pound. USD—U.S. dollar.	1/31/24 1/31/24 1/31/24 1/31/24	USD USD USD	2,214 20,767 1,235 1,380	EUR EUR GBP	18,944 1,126 1,087	Periodic Premium Received	Unrealiz Appreciat	(10) (6) (203)

<sup>1</sup> Periodic premium received/paid quarterly.

USD—U.S. dollar.

CDX-NA-HY-S41-V2

The notional amount represents the maximum potential amount the portfolio could be required to pay as a seller of credit protection if the reference entity was subject to a credit event.

12/20/28

USD

26,630

5.000 1,598

1,396

# Statement of Assets and Liabilities As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amount
Assets	
Investments in Securities, at Value	
Unaffiliated Issuers (Cost \$733,158)	721,308
Affiliated Issuers (Cost \$5,202)	5,201
Total Investments in Securities	726,509
Investment in Vanguard	24
Foreign Currency, at Value (Cost \$247)	247
Receivables for Investment Securities Sold	78
Receivables for Accrued Income	10,417
Receivables for Capital Shares Issued	301
Variation Margin Receivable—Futures Contracts	5
Total Assets	737,581
Liabilities	
Due to Custodian	42
Payables for Investment Securities Purchased	893
Payables to Investment Advisor	68
Payables for Capital Shares Redeemed	1,297
Payables to Vanguard	63
Unrealized Depreciation—Forward Currency Contracts	203
Variation Margin Payable—Centrally Cleared Swap Contracts	124
Total Liabilities	2,690
Net Assets	734,891
At December 31, 2023, net assets consisted of:	
Paid-in Capital	750,818
Total Distributable Earnings (Loss)	(15,927)
Net Assets	734,891
Net Assets	
Applicable to 99,637,620 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	734,891
Net Asset Value Per Share	\$7.38

## Statement of Operations

#### Year Ended December 31, 2023 (\$000) Investment Income Income Interest1 40,589 Total Income 40,589 Expenses Investment Advisory Fees-Note B 289 The Vanguard Group—Note C Management and Administrative 1,206 Marketing and Distribution 44 Custodian Fees 17 33 Auditing Fees Shareholders' Reports 36 Trustees' Fees and Expenses Other Expenses 13 Total Expenses 1,638 Expenses Paid Indirectly (7) Net Expenses 1,631 Net Investment Income 38,958 Realized Net Gain (Loss) Investment Securities Sold<sup>1</sup> (16,171) **Futures Contracts** (198) Swap Contracts 2,141 Forward Currency Contracts (311) Foreign Currencies 22 Realized Net Gain (Loss) (14,517)Change in Unrealized Appreciation (Depreciation) Investment Securities<sup>1</sup> 50,397 Floating Rate Loan Commitments 10 Futures Contracts (85)Swap Contracts 689 Forward Currency Contracts (84) Foreign Currencies (6) Change in Unrealized Appreciation (Depreciation) 50,921 Net Increase (Decrease) in Net Assets 75,362 Resulting from Operations

## Statement of Changes in Net Assets

	Year Ended December 31,	
	2023 (\$000)	2022 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	38,958	32,119
Realized Net Gain (Loss)	(14,517)	(17,182)
Change in Unrealized Appreciation (Depreciation)	50,921	(85,796)
Net Increase (Decrease) in Net Assets Resulting from Operations	75,362	(70,859)
Distributions		
Total Distributions	(32,915)	(33,997)
Capital Share Transactions		
Issued	160,761	105,586
Issued in Lieu of Cash Distributions	32,915	33,997
Redeemed	(128,755)	(185,909)
Net Increase (Decrease) from Capital Share Transactions	64,921	(46,326)
Total Increase (Decrease)	107,368	(151,182)
Net Assets		
Beginning of Period	627,523	778,705
End of Period	734,891	627,523

<sup>1</sup> Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the portfolio were \$307,000, less than \$1,000, less than \$1,000, and (\$1,000), respectively. Purchases and sales are for temporary cash investment purposes.

## Financial Highlights

For a Share Outstanding			Year I	Ended Dece	mber 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$6.96	\$8.06	\$8.12	\$8.19	\$7.53
Investment Operations					
Net Investment Income <sup>1</sup>	.398	.345	.337	.353	.410
Net Realized and Unrealized Gain (Loss) on Investments	.378	(1.074)	(.053)	.021	.731
Total from Investment Operations	.776	(.729)	.284	.374	1.141
Distributions					
Dividends from Net Investment Income	(.356)	(.371)	(.344)	(.444)	(.481)
Distributions from Realized Capital Gains	_	_	_		
Total Distributions	(.356)	(.371)	(.344)	(.444)	(.481)
Net Asset Value, End of Period	\$7.38	\$6.96	\$8.06	\$8.12	\$8.19
Total Return	11.66%	-9.23%	3.68%	5.67%	15.67%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$735	\$628	\$779	\$831	\$783
Ratio of Total Expenses to Average Net Assets	0.24%2	0.25% <sup>2</sup>	0.26%	0.26%	0.26%
Ratio of Net Investment Income to Average Net Assets	5.71%	4.82%	4.22%	4.57%	5.21%
Portfolio Turnover Rate	43%	34%	30%	41%	27%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.24% and 0.25%, respectively.

### Notes to Financial Statements

The High Yield Bond Portfolio, a portfolio of Vanguard Variable Insurance Funds, is registered under the Investment Company Act of 1940 as an open-end investment company. The portfolio's shares are only available for purchase by separate accounts of insurance companies as investments for variable annuity plans, variable life insurance contracts, or other variable benefit insurance contracts.

A. The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The portfolio consistently follows such policies in preparing its financial statements

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Bonds and other temporary cash investments are valued using the latest bid prices or using valuations based on a matrix system (which considers such factors as security prices, yields, maturities, and ratings), both as furnished by independent pricing services. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the portfolio's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees.
- 2. Foreign Currency: Securities and other assets and liabilities denominated in foreign currencies are translated into U.S. dollars using exchange rates obtained from an independent third party as of the portfolio's pricing time on the valuation date. Realized gains (losses) and unrealized appreciation (depreciation) on investment securities include the effects of changes in exchange rates since the securities were purchased, combined with the effects of changes in security prices. Fluctuations in the value of other assets and liabilities resulting from changes in exchange rates are recorded as unrealized foreign currency gains (losses) until the assets or liabilities are settled in cash, at which time they are recorded as realized foreign currency gains (losses).
- 3. Floating Rate Loan Interests: Floating rate loan interests represent interests in amounts owed by corporate or other borrowers. These instruments may be in the form of loans, trade claims or other receivables and may include standby financing commitments such as revolving credit facilities that obligate the portfolio to supply additional cash to the borrower on demand. Floating rate loan interests may be made directly with a borrower or acquired through assignment or participation. The portfolio's right to enforce a borrower's compliance with the terms of the loan agreement, or benefit directly from the collateral supporting the loan, varies when the loan is a direct borrowing, an assignment, or a participation. Floating rate loan interests involve various risks including risk of loss in case of default, insolvency, or the bankruptcy of the borrower and are generally subject to restrictions on transfer with limited opportunities to sell them in secondary markets. The portfolio may also invest in loan commitments, which are contractual obligations for a future funding. The portfolio may earn a commitment fee on any unfunded portion of these commitments which is amortized to interest income over the commitment period. Both the funded portion of a floating rate loan interest as well as its unfunded commitment, if any, is reflected on the Schedule of Investments.
- 4. Repurchase Agreements: The portfolio enters into repurchase agreements with institutional counterparties. Securities pledged as collateral to the portfolio under repurchase agreements are held by a custodian bank until the agreements mature, and in the absence of a default, such collateral cannot be repledged, resold, or rehypothecated. Each agreement requires that the market value of the collateral be sufficient to cover payments of interest and principal. The portfolio further mitigates its counterparty risk by entering into repurchase agreements only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master repurchase agreements with its counterparties. The master repurchase agreements provide that, in the event of a counterparty's default (including bankruptcy), the portfolio may terminate any repurchase agreements with that counterparty, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the portfolio. Such action may be subject to legal proceedings, which may delay or limit the disposition of collateral.
- 5. Futures Contracts: The portfolio uses futures contracts to invest in fixed income asset classes with greater efficiency and lower cost than is possible through direct investment, to add value when these instruments are attractively priced, or to adjust sensitivity to changes in interest rates. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of bonds held by the portfolio and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the portfolio trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse

imposes initial margin requirements to secure the portfolio's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the portfolio's average investments in long and short futures contracts represented 2% and 1% of net assets, respectively, based on the average of the notional amounts at each guarter-end during the period.

6. Forward Currency Contracts: The portfolio enters into forward currency contracts to protect the value of securities and related receivables and payables against changes in future foreign exchange rates. Risks associated with these types of forward currency contracts include movement in the values of the foreign currencies relative to the U.S. dollar and the ability of the counterparties to fulfill their obligations under the contracts. The portfolio mitigates its counterparty risk by entering into forward currency contracts only with a diverse group of prequalified counterparties, monitoring their financial strength, entering into master netting arrangements with its counterparties, and requiring its counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the portfolio cannot be repledged, resold, or rehypothecated. The master netting arrangements provide that, in the event of a counterparty's default (including bankruptcy), the portfolio may terminate the forward currency contracts, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the portfolio under the master netting arrangements. The forward currency contracts contain provisions whereby a counterparty may terminate open contracts if the portfolio's net assets decline below a certain level, triggering a payment by the portfolio if the portfolio is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the portfolio has pledged. Any securities pledged as collateral for open contracts are noted in the Schedule of Investments. The value of collateral received or pledged is compared daily to the value of the forward currency contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

Forward currency contracts are valued at their quoted daily prices obtained from an independent third party, adjusted for currency risk based on the expiration date of each contract. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on forward currency contracts.

During the year ended December 31, 2023, the portfolio's average investment in forward currency contracts represented 4% of net assets, based on the average of the notional amounts at each quarter-end during the period.

7. Swap Contracts: The portfolio invests in credit default swaps to adjust the overall credit risk of the portfolio or to actively overweight or underweight credit risk to a specific issuer or group of issuers. The portfolio may sell credit protection through credit default swaps to simulate investments in long positions that are either unavailable or considered to be less attractively priced in the bond market. The portfolio may purchase credit protection through credit default swaps to reduce credit exposure to a given issuer or issuers. Under the terms of the swaps, an up-front payment may be exchanged between the seller and buyer. In addition, the seller of the credit protection receives a periodic payment of premium from the buyer that is a fixed percentage applied to a notional amount. If, for example, the reference entity is subject to a credit event (such as bankruptcy, failure to pay, or obligation acceleration) during the term of the swap, the seller agrees to either physically settle or cash settle the swap contract. If the swap is physically settled, the seller agrees to pay the buyer an amount equal to the notional amount and take delivery of a debt instrument of the reference issuer with a par amount equal to such notional amount. If the swap is cash settled, the seller agrees to pay the buyer the difference between the notional amount and the final price for the relevant debt instrument, as determined either in a market auction or pursuant to a pre-agreed-upon valuation procedure.

The portfolio enters into centrally cleared credit default swaps to achieve the same objectives specified with respect to the equivalent over-the-counter swaps but with less counterparty risk because a regulated clearinghouse is the counterparty instead of the clearing broker or executing

broker. The clearinghouse imposes initial margin requirements to secure the portfolio's performance, and requires daily settlement of variation margin representing changes in the market value of each contract. To further mitigate counterparty risk, the portfolio trades with a diverse group of prequalified executing brokers; monitors the financial strength of its clearing brokers, executing brokers, and clearinghouse; and has entered into agreements with its clearing brokers and executing brokers.

The primary risk associated with selling credit protection is that, upon the occurrence of a defined credit event, the market value of the debt instrument received by the portfolio (or, in a cash settled swap, the debt instruments used to determine the settlement payment by the portfolio) will be significantly less than the amount paid by the portfolio and, in a physically settled swap, the portfolio may receive an illiquid debt instrument. A risk associated with all types of swaps is the possibility that a counterparty may default on its obligation to pay net amounts due to the portfolio. The portfolio's maximum amount subject to counterparty risk is the unrealized appreciation on the swap contract. The portfolio mitigates its counterparty risk by entering into swaps only with a diverse group of prequalified counterparties, monitoring their financial strength, entering into master netting arrangements with its counterparties, and requiring its counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the portfolio cannot be repledged, resold, or rehypothecated. In the event of a counterparty's default (including bankruptcy), the portfolio may terminate any swap contracts with that counterparty, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the portfolio under the master netting arrangements. The swap contracts contain provisions whereby a counterparty may terminate open contracts if the portfolio's net assets decline below a certain level, triggering a payment by the portfolio if the portfolio is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the portfolio has pledged. Any securities pledged as collateral for open contracts are noted in the Schedule of Investments. The value of collateral received or pledged is compared daily to the value of the swap contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. Swaps are valued daily based on market quotations received from independent pricing services or recognized dealers and the change in value is recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the seller of credit protection is required to take delivery (or, in a cash settled swap, pay the settlement amount determined) upon occurrence of a credit event, periodic payments are made, or the swap terminates, at which time realized gain (loss) is recorded. The net premium to be received or paid by the portfolio under swap contracts is accrued daily and recorded as realized gain (loss) over the life of the contract.

During the year ended December 31, 2023, the portfolio's average amounts of investments in credit protection sold and credit protection purchased represented 4% and 0% of net assets, respectively, based on the average of the notional amounts at each guarter-end during the period.

- 8. Federal Income Taxes: The portfolio intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The portfolio's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the portfolio's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the portfolio's financial statements.
- 9. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 10. Credit Facilities and Interfund Lending Program: The portfolio and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the portfolio's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the portfolio's board of trustees and included in Management and Administrative expenses on the portfolio's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal

funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the portfolio and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the portfolio may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the portfolio's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the portfolio did not utilize the credit facilities or the Interfund Lending Program.

- 11. Other: Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Premiums and discounts on debt securities are amortized and accreted, respectively, to interest income over the lives of the respective securities, except for premiums on certain callable debt securities that are amortized to the earliest call date. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.
- B. Wellington Management Company LLP provides investment advisory services to a portion of the portfolio for a fee calculated at an annual percentage rate of average net assets managed by the advisor.

Vanguard provides investment advisory services to a portion of the portfolio as described below; the portfolio paid Vanguard advisory fees of \$23,000 for the year ended December 31, 2023.

For the year ended December 31, 2023, the aggregate investment advisory fee paid to all advisors represented an effective annual rate of 0.04% of the portfolio's average net assets.

C. In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the portfolio, Vanguard furnishes to the portfolio investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the portfolio based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the portfolio may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the portfolio had contributed to Vanguard capital in the amount of \$24,000, representing less than 0.01% of the portfolio's net assets and 0.01% of Vanguard's capital received pursuant to the FSA. The portfolio's trustees and officers are also directors and employees, respectively, of Vanguard.

- **D.** The portfolio's custodian bank has agreed to reduce its fees when the portfolio maintains cash on deposit in the non-interest-bearing custody account. For the year ended December 31, 2023, custodian fee offset arrangements reduced the portfolio's expenses by \$7,000 (an annual rate of less than 0.01% of average net assets).
- E. Various inputs may be used to determine the value of the portfolio's investments, other financial instruments, and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.
- Level 1—Quoted prices in active markets for identical securities.
- Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).
- **Level 3**—Significant unobservable inputs (including the portfolio's own assumptions used to determine the fair value of investments). Any investments, other financial instruments, and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the portfolio's investments, other financial instruments, and derivatives as of December 31, 2023, based on the inputs used to value them:

	Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)	Total (\$000)
Investments	(\$000)	(\$000)	(\$000)	(\$000)
Assets				
U.S. Government and Agency Obligations	_	38,398	_	38,398
Corporate Bonds	_	646,244	_	646,244
Floating Rate Loan Interests	_	19,761	_	19,761
Temporary Cash Investments	5,201	16,905	_	22,106
Total	5,201	721,308	_	726,509
Derivative Financial Instruments				
Assets				
Futures Contracts <sup>1</sup>	227	_	_	227
Swap Contracts	1,396 <sup>1</sup>	_	_	1,396
Total	1,623	_	_	1,623
Liabilities				
Futures Contracts <sup>1</sup>	318	_	_	318
Forward Currency Contracts	_	203	_	203
Total	318	203	_	521

<sup>1</sup> Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

## F. At December 31, 2023, the fair values of derivatives were reflected in the Statement of Assets and Liabilities as follows:

Statement of Assets and Liabilities	Interest Rate Contracts (\$000)	Foreign Exchange Contracts (\$000)	Credit Contracts (\$000)	Total (\$000)
Unrealized Appreciation—Futures Contracts <sup>1</sup>	227	_	_	227
Unrealized Appreciation—Centrally Cleared Swap Contracts <sup>1</sup>	_	_	1,396	1,396
Total Assets	227	_	1,396	1,623
Unrealized Depreciation—Futures Contracts <sup>1</sup>	318	_	_	318
Unrealized Depreciation—Forward Currency Contracts	_	203	_	203
Liabilities	318	203	_	521

<sup>1</sup> Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

Realized net gain (loss) and the change in unrealized appreciation (depreciation) on derivatives for the year ended December 31, 2023, were:

Realized Net Gain (Loss) on Derivatives	Interest Rate Contracts (\$000)	Foreign Exchange Contracts (\$000)	Credit Contracts (\$000)	Total (\$000)
Futures Contracts	(198)	_	_	(198)
Swap Contracts	_	_	2,141	2,141
Forward Currency Contracts	_	(311)	_	(311)
Realized Net Gain (Loss) on Derivatives	(198)	(311)	2,141	1,632
Change in Unrealized Appreciation (Depreciation) on Derivatives				
Futures Contracts	(85)	_	_	(85)
Swap Contracts	_	_	689	689
Forward Currency Contracts	_	(84)	_	(84)
Change in Unrealized Appreciation (Depreciation) on Derivatives	(85)	(84)	689	520

G. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable foreign currency transactions, swap agreements, and amortization were reclassified between the individual components of total distributable earnings (loss).

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to capital loss carryforwards; the deferral of losses from wash sales; the recognition of unrealized gains or losses from certain derivative contracts; the recognition of gain or loss from foreign currency hedges; and the treatment of amortization adjustments from certain fixed income securities. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

	Amount (\$000)
Undistributed Ordinary Income	39,235
Undistributed Long-Term Gains	_
Net Unrealized Gains (Losses)	(10,863)
Capital Loss Carryforwards	(44,299)
Qualified Late-Year Losses	_
Other Temporary Differences	_
Total	(15,927)

The tax character of distributions paid was as follows:

	Year Ended December	Year Ended December 31,		
	Amount An	2022 nount (\$000)		
Ordinary Income*	32,915 3:	3,997		
Long-Term Capital Gains	_	_		
Total	32,915 3:	3,997		

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments, other financial instruments, and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	738,723
Gross Unrealized Appreciation	15,540
Gross Unrealized Depreciation	(26,403)
Net Unrealized Appreciation (Depreciation)	(10,863)

- **H.** During the year ended December 31, 2023, the portfolio purchased \$248,519,000 of investment securities and sold \$178,422,000 of investment securities, other than U.S. government securities and temporary cash investments. Purchases and sales of U.S. government securities were \$109,230,000 and \$96,756,000, respectively.
- I. Capital shares issued and redeemed were:

	Year Ended De	Year Ended December 31,	
	2023 Shares (000)	2022 Shares (000)	
Issued	23,038	14,561	
Issued in Lieu of Cash Distributions	4,905	4,683	
Redeemed	(18,518)	(25,684)	
Net Increase (Decrease) in Shares Outstanding	9,425	(6,440)	

J. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the portfolio's investments and portfolio performance.

To the extent the portfolio's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the portfolio may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

Credit risk is the risk that a counterparty to a transaction or an issuer of a financial instrument will fail to pay interest and principal when due, or that perceptions of the issuer's ability to make such payments will cause the price of an investment to decline. Investment in debt securities will generally increase credit risk.

The use of derivatives may expose the portfolio to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the portfolio's use of derivative(s) and the specific risks associated is described under significant accounting policies.

At December 31, 2023, one shareholder (an insurance company separate account whose holdings in the portfolio represent the indirect investment of Vanguard Variable Annuity contract holders) was the record or beneficial owner of 38% of the portfolio's net assets. If this shareholder were to redeem its investment in the portfolio, the redemption might result in an increase in the portfolio's expense ratio, cause the portfolio to incur higher transaction costs, or lead to the realization of taxable capital gains.

K. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

# Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Variable Insurance Funds and Shareholders of High Yield Bond Portfolio

#### Opinion on the Financial Statements

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of High Yield Bond Portfolio (one of the portfolios constituting Vanguard Variable Insurance Funds, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

#### Basis for Opinion

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 16, 2024

We have served as the auditor of one or more investment companies in The Vanguard Group of Funds since 1975.

#### Tax information (unaudited)

The portfolio hereby designates \$1,835,000, or if subsequently determined to be different, the maximum amount allowable by law, of interest earned from obligations of the U.S. government which is generally exempt from state income tax.

The portfolio hereby designates 100%, or if subsequently determined to be different, the maximum percentage allowable by law, of ordinary income dividends eligible to be treated as interest income for purposes of Section 163(j) and the regulations thereunder for the fiscal year.

## Trustees Approve Advisory Arrangement

The board of trustees of Vanguard Variable Insurance Funds High Yield Bond Portfolio has renewed the portfolio's investment advisory arrangement with Wellington Management Company LLP (Wellington Management). The board determined that renewing the portfolio's advisory arrangement was in the best interests of the portfolio and its shareholders. The Vanguard Group, Inc. (Vanguard), through its Fixed Income Group, is also advisor to the portfolio.

The board based its decision upon an evaluation of the advisor's investment staff, portfolio management process, and performance. This evaluation included information provided to the board by Vanguard's Portfolio Review Department, which is responsible for fund and advisor oversight and product management. The Portfolio Review Department met regularly with the advisors and made monthly presentations to the board during the fiscal year that directed the board's focus to relevant information and topics.

The board, or an investment committee made up of board members, also received information throughout the year during advisor presentations. For each advisor presentation, the board was provided with letters and reports that included information about, among other things, the advisory firm and the advisor's assessment of the investment environment, portfolio performance, and portfolio characteristics.

In addition, the board received periodic reports throughout the year, which included information about each fund's performance relative to its peers and benchmark, as applicable, and updates, as needed, on the Portfolio Review Department's ongoing assessment of the advisor.

Prior to their meeting, the trustees were provided with a memo and materials that summarized the information they received over the course of the year. They also considered the factors discussed below, among others. However, no single factor determined whether the board approved the arrangements. Rather, it was the totality of the circumstances that drove the board's decisions.

#### Nature, extent, and quality of services

The board reviewed the quality of the portfolio's investment management services over both the short and long term and took into account the organizational depth and stability of the advisor. The board considered that Wellington Management, founded in 1928, is among the nation's oldest and most respected institutional investment managers. The portfolio managers are supported by a dedicated team of high-yield and bank loan analysts who conduct in-depth credit research on the universe of high-yield issuers, seeking to identify issuers with stable or improving business prospects and attractive yields. Wellington Management focuses on higher-quality bonds, as they believe that these issues offer a more attractive risk/return trade-off than lower-rated bonds within the high-yield universe over the long term. Wellington Management seeks to maintain credit quality and diversification guidelines in order to minimize the risk of potential defaults. Wellington Management has advised a portion of the portfolio since its inception in 1996. The board concluded that the advisor's experience, stability, depth, and performance, among other factors, warranted continuation of the advisory arrangement.

#### Investment performance

The board considered the short- and long-term performance of the portfolio, including any periods of outperformance or underperformance compared with a relevant benchmark and peer group.

#### Cost

The board concluded that the portfolio's expense ratio was below the average expense ratio charged by funds in its peer group and that the portfolio's advisory fee rate was also below its peer-group average.

The board did not consider the profitability of Wellington Management in determining whether to approve the advisory fee, because Wellington Management is independent of Vanguard and the advisory fee is the result of arm's-length negotiations.

#### The benefit of economies of scale

The board concluded that the portfolio realizes economies of scale that are built into the fee rate negotiated with Wellington Management without any need for asset-level breakpoints. The advisory fee rate is very low relative to the average rate paid by funds in the portfolio's peer group.

The board will consider whether to renew the advisory arrangement again after a one-year period.

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## The People Who Govern Your Fund

The trustees of your mutual fund are there to see that the fund is operated and managed in your best interests since, as a shareholder, you are a part owner of the fund. Your fund's trustees also serve on the board of directors of The Vanguard Group, Inc., which is owned by the Vanguard funds and provides services to them.

A majority of Vanguard's board members are independent, meaning that they have no affiliation with Vanguard or the funds they oversee, apart from the sizable personal investments they have made as private individuals. The independent board members have distinguished backgrounds in business, academia, and public service. Each of the trustees and executive officers oversees 208 Vanguard funds.

Information for each trustee and executive officer of the fund appears below. That information, as well as the Vanguard fund count, is as of the date on the cover of this fund report. The mailing address of the trustees and officers is P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the *Statement of Additional Information*, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at vanguard.com.

#### Interested Trustee<sup>1</sup>

#### Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chairman of the board (2019-present) of Vanguard and of each of the investment companies served by Vanguard; chief executive officer (2018-present) of Vanguard; chief executive officer, president, and trustee (2018-present) of each of the investment companies served by Vanguard; president and director (2017-present) of Vanguard; and president (2018-present) of Vanguard Marketing Corporation. Chief investment officer (2013-2017), managing director (2002-2017), head of the Retail Investor Group (2006-2012), and chief information officer (2001-2006) of Vanguard. Member of the board of governors of the Investment Company Institute and the board of governors of FINRA.

#### Independent Trustees

#### Tara Bunch

Born in 1962. Trustee since November 2021. Principal occupation(s) during the past five years and other experience: head of global operations at Airbnb (2020–present). Vice president of AppleCare (2012–2020). Member of the board of directors of Out & Equal, the advisory board of the University of California, Berkeley School of Engineering, and the advisory board of Santa Clara University's Leavey School of Business.

#### Emerson U. Fullwood

Born in 1948. Trustee since January 2008. Principal occupation(s) during the past five years and other experience: executive chief staff and marketing officer for North America and corporate vice president (retired 2008) of Xerox Corporation (document management products and services). Former president of the Worldwide Channels Group, Latin America, and Worldwide Customer Service and executive chief staff officer of Developing Markets of Xerox. Executive in residence and 2009-2010 Distinguished Minett Professor at the Rochester Institute of Technology. Member of the board of directors of the University of Rochester Medical Center, the Monroe Community College Foundation, the United Way of Rochester, North Carolina A&T University, Roberts Wesleyan College, and the Rochester Philharmonic Orchestra. Trustee of the University of Rochester.

#### F. Joseph Loughrey

Born in 1949. Trustee since October 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer

(retired 2009) and vice chairman of the board (2008–2009) of Cummins Inc. (industrial machinery). Director of the V Foundation. Member of the advisory council for the College of Arts and Letters at the University of Notre Dame. Chairman of the board of Saint Anselm College.

#### Mark Loughridge

Born in 1953. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: senior vice president and chief financial officer (retired 2013) of IBM (information technology services). Fiduciary member of IBM's Retirement Plan Committee (2004–2013), senior vice president and general manager (2002–2004) of IBM Global Financing, vice president and controller (1998–2002) of IBM, and a variety of other prior management roles at IBM. Member of the Council on Chicago Booth.

#### Scott C. Malpass

Born in 1962. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: co-founder and managing partner (2022–present) of Grafton Street Partners (investment advisory firm). Chief investment officer (retired 2020) and vice president (retired 2020) of the University of Notre Dame. Chair of the board of Catholic Investment Services, Inc. (investment advisors). Member of the board of superintendence of the Institute for the Works of Religion, the Notre Dame 403(b) Investment Committee, and the board of directors of Paxos Trust Company (finance).

#### Deanna Mulligan

Born in 1963. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chief executive officer of Purposeful (advisory firm for CEOs and C-level executives; 2021–present). Board chair (2020), chief executive officer (2011–2020), and president (2010–2019) of The Guardian Life Insurance Company of America. Chief operating officer (2010–2011) and executive vice president (2008–2010) of Individual Life and Disability of the Guardian Life Insurance Company of America. Director of DuPont. Member of the board of the Economic Club of New York. Trustee of the Partnership for New York City (business leadership), Chief Executives for Corporate Purpose, and the NewYork-Presbyterian Hospital.

#### André F. Perold

Born in 1952. Trustee since December 2004. Principal occupation(s) during the past five years and other experience: George Gund Professor of Finance and Banking, Emeritus at the Harvard Business School (retired 2011). Chief investment officer and partner of HighVista Strategies (private investment firm).

Member of the board of RIT Capital Partners (investment firm).

#### Sarah Bloom Raskin

Born in 1961. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: deputy secretary (2014–2017) of the United States Department of the Treasury. Governor (2010–2014) of the Federal Reserve Board. Commissioner (2007–2010) of financial regulation for the State of Maryland. Colin W. Brown Distinguished Professor of the Practice of Law, Duke Law School (2021–present); Rubenstein Fellow, Duke University (2017–2020); Distinguished Fellow of the Global Financial Markets Center, Duke Law School (2020–2022); and Senior Fellow, Duke Center on Risk (2020–present). Partner of Kaya Partners (climate policy advisory services). Member of the board of directors of Arcadia (energy solution technology).

#### **Grant Reid**

Born in 1959. Trustee since July 2023. Principal occupation(s) during the past five years and other experience: chief executive officer and president (2014–2022) and member of the board of directors (2015–2022) of Mars, Incorporated (multinational manufacturer). Member of the board of directors of Marriott International, Inc. Chair of Agribusiness Task Force, Sustainable Markets Initiative.

#### **David Thomas**

Born in 1956. Trustee since July 2021. Principal occupation(s) during the past five years and other experience: president of Morehouse College (2018–present). Professor of business administration, emeritus at Harvard University (2017–2018). Dean (2011–2016) and professor of management (2016–2017) at the Georgetown University McDonough School of Business. Director of DTE Energy Company. Trustee of Common Fund.

#### Peter F. Volanakis

Born in 1955. Trustee since July 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2010) of Corning Incorporated (communications equipment) and director of Corning Incorporated (2000–2010) and Dow Corning (2001–2010). Director (2012) of SPX Corporation (multi-industry manufacturing). Overseer of the Amos Tuck School of Business Administration, Dartmouth College (2001–2013). Member of the BMW Group Mobility Council.

#### **Executive Officers**

#### Jacqueline Angell

Born in 1974. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief compliance officer (November 2022–present) of Vanguard and of each of the investment companies served by Vanguard. Chief compliance officer (2018–2022) and deputy chief compliance officer (2017–2019) of State Street.

#### Christine M. Buchanan

Born in 1970. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief financial officer (2021–present) and treasurer (2017–2022) of each of the investment companies served by Vanguard. Partner (2005–2017) at KPMG (audit, tax, and advisory services).

#### John Galloway

Born in 1973. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Investment stewardship officer (September 2020–present) of each of the investment companies served by Vanguard. Head of Investor Advocacy (February 2020–present) and head of Marketing Strategy and Planning (2017–2020) at Vanguard. Special assistant to the President of the United States (2015).

#### Ashley Grim

Born in 1984. Principal occupation(s) during the past five years and other experience: treasurer (February 2022–present) of each of the investment companies served by Vanguard. Fund transfer agent controller (2019–2022) and director of Audit Services (2017–2019) at Vanguard. Senior manager (2015–2017) at PriceWaterhouseCoopers (audit and assurance, consulting, and tax services).

#### Jodi Miller

Born in 1980. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Finance director (2022–present) of each of the investment companies served by Vanguard. Head of Enterprise Investment Services (2020–present), head of Retail Client Services and Operations (2020–2022), and head of Retail Strategic Support (2018–2020) at Vanguard.

#### Anne F. Robinson

Born in 1970. Principal occupation(s) during the past five years and other experience: general counsel (2016–present) of Vanguard. Secretary (2016–present) of Vanguard and of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Managing director and general counsel of Global Cards and Consumer Services (2014–2016) at Citigroup. Counsel (2003–2014) at American Express. Nonexecutive director (2022–present) of the board of National Grid (energy).

#### Michael Rollings

Born in 1963. Principal occupation(s) during the past five years and other experience: finance director (2017–present) and treasurer (2017) of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Chief financial officer (2016–present) of Vanguard. Director (2016–present) of Vanguard Marketing Corporation. Executive vice president and chief financial officer (2006–2016) of MassMutual Financial Group.

#### Vanguard Senior Management Team

Matthew Benchener Joseph Brennan Mortimer J. Buckley Gregory Davis John James Chris D. McIsaac Thomas M. Rampulla Karin A. Risi Anne E. Robinson Michael Rollings Nitin Tandon Lauren Valente

# **Vanguard**

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You can obtain a free copy of Vanguard's proxy voting guidelines by visiting vanguard.com/proxyreporting or by calling Vanguard at 800-662-2739. The guidelines are also available from the SEC's website, www.sec.gov. In addition, you may obtain a free report on how your fund voted the proxies for securities it owned during the 12 months ended June 30. To get the report, visit either vanguard.com/proxyreporting or www.sec.gov.

All comparative mutual fund data are from Morningstar, Inc., unless otherwise noted.

You can review information about your fund on the SEC's website, and you can receive copies of this information, for a fee, by sending a request via email addressed to publicinfo@sec.gov.

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Annual Report | December 31, 2023

# Vanguard Variable Insurance Funds

Mid-Cap Index Portfolio

See the inside front cover for important information about your fund's annual and semiannual shareholder reports.

#### Important information about shareholder reports

Beginning in July 2024, amendments adopted by the Securities and Exchange Commission will substantially impact the design, content, and transmission of shareholder reports. Shareholder reports will provide key fund information in a clear and concise format and must be mailed to each shareholder that has not elected to receive the reports electronically. Financial statements will no longer be included in the shareholder report but will be available at vanguard.com, can be mailed upon request, or can be accessed on the SEC's website at www.sec.gov.

You may elect to receive shareholder reports and other communications from the fund electronically by contacting your financial intermediary (such as a broker-dealer or bank) or, if you invest directly with the fund, by calling Vanguard at one of the phone numbers on the back cover of this report or by logging on to vanguard.com.

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Your Portfolio's Performance at a Glance
About Your Portfolio's Expenses
Performance Summary
Financial Statements

### Your Portfolio's Performance at a Glance

- The financial markets delivered robust returns for the 12 months ended December 31, 2023. The Mid-Cap Index Portfolio returned 15.83%, in line with the 15.98% return of its benchmark, the CRSP US Mid Cap Index.
- With inflation continuing to ease, a number of major central banks slowed and eventually stopped hiking interest rates. Global growth, employment, and consumer spending showed resilience, but the prospect of rates remaining high for an extended period spurred volatility at times. Toward year-end, however, stocks and bonds rallied worldwide as falling inflation and softening economic growth raised market expectations for rate cuts in 2024.
- The U.S. stock market's advance was broad-based: Eight of the 11 industry sectors in the portfolio's target index recorded gains, six by double digits. Technology, industrial, and consumer discretionary stocks accounted for four-fifths of the index's return. Consumer staples, energy, and utilities recorded slight losses.
- For the 10 years ended December 31, 2023, the portfolio returned 9.27%, annualized—on par with the 9.44% return of the index, which incurs no investment or other operational expenses.
- Please note the portfolio's returns may be different from those in variable annuity products that invest in the portfolio, which take insurance-related expenses into account.

#### Market Barometer

	Periods Ended December 31, 2023		
	One Year	Three Years	Five Years
Stocks			
Russell 1000 Index (Large-caps)	26.53%	8.97%	15.52%
Russell 2000 Index (Small-caps)	16.93	2.22	9.97
Russell 3000 Index (Broad U.S. market)	25.96	8.54	15.16
FTSE All-World ex US Index (International)	15.82	1.98	7.52
Bonds			
Bloomberg U.S. Aggregate Float Adjusted Index (Broad taxable market)	5.60%	-3.33%	1.17%
Bloomberg Municipal Bond Index (Broad tax-exempt market)	6.40	-0.40	2.25
FTSE Three-Month U.S. Treasury Bill Index	5.26	2.24	1.91
CPI			
Consumer Price Index	3.35%	5.60%	4.07%

Average Annual Total Returns

## About Your Portfolio's Expenses

As a shareholder of the portfolio, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a portfolio's gross income, directly reduce the investment return of the portfolio.

A portfolio's expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your portfolio and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your portfolio's costs in two ways:

• Based on actual portfolio return. This section helps you to estimate the actual expenses that you paid over the period. The "Ending Account Value" shown is derived from the portfolio's actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the portfolio. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your portfolio under the heading "Expenses Paid During Period."

• Based on hypothetical 5% yearly return. This section is intended to help you compare your portfolio's costs with those of other mutual funds. It assumes that the portfolio had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the portfolio's actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your portfolio's costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the portfolio for buying and selling securities. The portfolio's expense ratio does not reflect additional fees and expenses associated with the annuity or life insurance program through which you invest.

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the portfolio's expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your portfolio's current prospectus.

#### Six Months Ended December 31, 2023

Mid-Cap Index Portfolio	Beginning Account Value 6/30/2023	Ending Account Value 12/31/2023	Expenses Paid During Period
Based on Actual Portfolio Return	\$1,000.00	\$1,065.00	\$0.88
Based on Hypothetical 5% Yearly Return	1,000.00	1,024.35	0.87

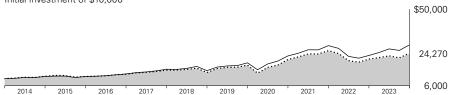
The calculations are based on expenses incurred in the most recent six-month period. The portfolio's annualized six-month expense ratio for that period is 0.17%. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (184/365).

## Mid-Cap Index Portfolio

## **Performance Summary**

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the portfolio. (Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance.) Note, too, that both investment returns and principal value can fluctuate widely, so an investor's shares, when sold, could be worth more or less than their original cost. The returns shown do not reflect taxes that a shareholder would pay on portfolio distributions or on the sale of portfolio shares. Nor do the returns reflect fees and expenses associated with the annuity or life insurance program through which a shareholder invests. If these fees and expenses were included, the portfolio's returns would be lower.

## Cumulative Performance: December 31, 2013, Through December 31, 2023 Initial Investment of \$10,000



#### Average Annual Total Returns Periods Ended December 31, 2023

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Mid-Cap Index Portfolio	15.83%	12.56%	9.27%	\$24,270
······ CRSP US Mid Cap Index	15.98	12.73	9.44	24,643
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

## Portfolio Allocation

As of December 31, 2023

Basic Materials	3.7%
Consumer Discretionary	13.1
Consumer Staples	4.5
Energy	4.9
Financials	12.5
Health Care	9.5
Industrials	19.8
Real Estate	8.3
Technology	14.5
Telecommunications	1.8
Utilities	7.4

The table reflects the portfolio's investments, except for short-term investments and derivatives. Sector categories are based on the Industry Classification Benchmark ("ICB"), except for the "Other" category (if applicable), which includes securities that have not been provided an ICB classification as of the effective reporting period.

The portfolio may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

## **Financial Statements**

## Schedule of Investments

As of December 31, 2023

The portfolio files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The portfolio's Form N-PORT reports are available on the SEC's website at www.sec.gov.

	Q.	Market Value•		01	Market Value*
Common of Charles (00.00%)	Shares	(\$000)	Face Carry Class A	Shares	(\$000)
Common Stocks (99.9%)			Fox Corp. Class A Interpublic Group of Cos. Inc.	90,288 70,546	2,679 2,303
Basic Materials (3.7%)	00.457	45.740	* CarMax Inc.	29,112	2,234
Nucor Corp.	90,457	15,743	Warner Music Group Corp. Class A	45,737	1,637
Fastenal Co. LyondellBasell Industries NV Class A	210,263 95,476	13,619 9,078	Fox Corp. Class B	48,435	1,339
Newmont Corp.	212,031	8,776	Paramount Global Class B	88,190	1,304
International Flavors & Fragrances Inc.	93,927	7,605	Endeavor Group Holdings Inc. Class A	49,817	1,182
Albemarle Corp.	43,179	6,238	Sirius XM Holdings Inc.	212,687	1,163
Celanese Corp. Class A	40,049	6,222	Lennar Corp. Class B	6,899	925
Avery Dennison Corp.	29,634	5,991	*,1 Lucid Group Inc.	169,861	715
CF Industries Holdings Inc.	70,298	5,589	* Chewy Inc. Class A	18,582	439
International Paper Co.	127,317	4,603	News Corp. Class B  Paramount Global Class A	3,475	89 55
Mosaic Co.	120,252	4,297	Paramount Global Class A	2,790	
Steel Dynamics Inc.	28,281	3,340			333,648
Eastman Chemical Co.	21,747	1,953	Consumer Staples (4.5%)		
FMC Corp.	22,962	1,448	Cencora Inc.	62,377	12,811
Westlake Corp.	5,953	833	Corteva Inc.	259,359	12,429
		95,335	Kroger Co. Church & Dwight Co. Inc.	238,206 90,652	10,888 8,572
Consumer Discretionary (13.1%)			Archer-Daniels-Midland Co.	98,126	7,087
DR Horton Inc.	104,183	15,834	Walgreens Boots Alliance Inc.	254,296	6,640
* Copart Inc.	317,986	15,581	Brown-Forman Corp. Class B	114,874	6,559
Lennar Corp. Class A	89,394	13,323	Clorox Co.	45,645	6,509
* Trade Desk Inc. Class A	164,206	11,816	McCormick & Co. Inc. (Non-Voting)	92,462	6,326
* Chipotle Mexican Grill Inc. Class A	5,049	11,547	Tyson Foods Inc. Class A	104,944	5,641
Dollar General Corp.  * Dollar Tree Inc.	80,757 76,903	10,979 10,924	Kellanova	100,824	5,637
* Royal Caribbean Cruises Ltd.	80,140	10,324	Conagra Brands Inc.	175,856	5,040
* Take-Two Interactive Software Inc.	62,578	10,072	J M Smucker Co.	37,098	4,688
Delta Air Lines Inc.	236,762	9,525	Hormel Foods Corp.	100,540	3,228
* Aptiv plc	104,074	9,338	Campbell Soup Co.	71,194	3,078
* Warner Bros Discovery Inc.	807,550	9,190	Lamb Weston Holdings Inc.	26,676	2,883
* Ulta Beauty Inc.	18,115	8,876	Albertsons Cos. Inc. Class A	116,625	2,682
Hilton Worldwide Holdings Inc.	47,181	8,591	Molson Coors Beverage Co. Class B	33,341	2,041
Tractor Supply Co.	39,784	8,555	Brown-Forman Corp. Class A	17,920	1,068
* AutoZone Inc.	3,244	8,388			113,807
eBay Inc.	190,967	8,330	Energy (4.9%)		
* ROBLOX Corp. Class A	179,415	8,203	ONEOK Inc.	214,344	15,051
PulteGroup Inc.	79,300	8,185	Hess Corp.	101,714	14,663
* NVR Inc.	1,111	7,778	Cheniere Energy Inc.	83,281	14,217
* Expedia Group Inc.	49,057	7,446	Baker Hughes Co. Class A	370,235	12,655
Darden Restaurants Inc. Garmin Ltd.	44,272	7,274	Halliburton Co.	296,376	10,714
Garmin Etd. Genuine Parts Co.	56,308 51,586	7,238 7,145	Devon Energy Corp. Diamondback Energy Inc.	235,736 65,854	10,679 10,213
* Carnival Corp.	370,711	6,873	Williams Cos. Inc.	223,796	7,795
Electronic Arts Inc.	49,486	6,770	Coterra Energy Inc.	262,909	6,709
* Rivian Automotive Inc. Class A	279,590	6,559	* First Solar Inc.	37,349	6,434
Southwest Airlines Co.	219,336	6,335	* Enphase Energy Inc.	47,733	6,307
Omnicom Group Inc.	72,836	6,301	Marathon Oil Corp.	215,315	5,202
Best Buy Co. Inc.	72,076	5,642	EQT Corp.	75,692	2,926
* Live Nation Entertainment Inc.	59,329	5,553	Texas Pacific Land Corp.	1,133	1,782
Domino's Pizza Inc.	12,835	5,291		-	125,347
* United Airlines Holdings Inc.	120,215	4,960	Financials (12.5%)		5,5-7
LKQ Corp.	98,457	4,705	Arthur J Gallagher & Co.	79,442	17,865
Rollins Inc.	106,859	4,667	MSCI Inc. Class A	27,647	15,639
* Burlington Stores Inc.	23,742	4,617	Ameriprise Financial Inc.	37,236	14,143
News Corp. Class A	180,257	4,425	Prudential Financial Inc.	132,824	13,775
MGM Resorts International	94,262	4,212	Apollo Global Management Inc.	146,169	13,622
Las Vegas Sands Corp.	70,323	3,461	Allstate Corp.	96,288	13,478
Pool Corp.	6,766	2,698	Discover Financial Services	92,006	10,342

		Market			Market
	Shares	Value* (\$000)		Shares	Value* (\$000)
* Coinbase Global Inc. Class A	56,532	9,832	* Henry Schein Inc.	23,981	1,816
* Arch Capital Group Ltd.	130,440	9,688	* Bio-Rad Laboratories Inc. Class A	3,769	1,217
Willis Towers Watson plc	37,995 43,300	9,164			241,609
Broadridge Financial Solutions Inc. Hartford Financial Services Group		8,907 8,895	Industrials (19.7%)		
T. Rowe Price Group Inc.	82,223	8,855	TransDigm Group Inc.	19,335	19,559
American International Group Inc.	129,151	8,750	Cintas Corp. PACCAR Inc.	31,856 192,467	19,198 18,794
Fifth Third Bancorp	250,577	8,642	Carrier Global Corp.	308,717	17,736
Nasdaq Inc.	148,608	8,640	Old Dominion Freight Line Inc.	36,135	14,647
M&T Bank Corp.	61,064	8,371	Ferguson plc	74,903	14,462
State Street Corp. Raymond James Financial Inc.	107,862 69,080	8,355 7,702	United Rentals Inc.	24,940	14,301
Ares Management Corp. Class A	61,457	7,702	AMETEK Inc.	84,923	14,003
Cboe Global Markets Inc.	38,842	6,936	WW Grainger Inc.	16,437	13,621
Principal Financial Group Inc.	87,717	6,901	Otis Worldwide Corp. Rockwell Automation Inc.	150,594 42,193	13,474 13,100
Huntington Bancshares Inc.	532,802	6,777	Fidelity National Information Services Inc.	217,989	13,100
FactSet Research Systems Inc.	13,979	6,669	Verisk Analytics Inc. Class A	53,350	12,743
Regions Financial Corp.	342,207	6,632	Cummins Inc.	52,155	12,495
* Markel Group Inc.	4,620	6,560	Global Payments Inc.	95,799	12,166
LPL Financial Holdings Inc. Northern Trust Corp.	27,825 72,367	6,334 6,106	Quanta Services Inc.	53,458	11,536
Cincinnati Financial Corp.	57,727	5,972	Ingersoll Rand Inc.	148,947	11,520
Everest Group Ltd.	15,965	5,645	Martin Marietta Materials Inc.	22,741	11,346
Citizens Financial Group Inc.	162,952	5,400	Equifax Inc. Vulcan Materials Co.	45,338 48,890	11,212 11,098
W R Berkley Corp.	71,160	5,032	DuPont de Nemours Inc.	142,409	10,956
KeyCorp	344,476	4,960	* Keysight Technologies Inc.	64,244	10,221
Fidelity National Financial Inc.	95,129	4,854	Xylem Inc.	88,706	10,144
Loews Corp.	65,699	4,572	* Fair Isaac Corp.	8,639	10,056
Tradeweb Markets Inc. Class A Interactive Brokers Group Inc. Clas	42,214 ss A 37,411	3,836 3,101	* Mettler-Toledo International Inc.	7,978	9,677
Franklin Resources Inc.	100,068	2,981	Fortive Corp.	129,313	9,521
Brown & Brown Inc.	41,908	2,980	Westinghouse Air Brake Technologies Corp.	65,922	8,365
Globe Life Inc.	16,485	2,007	Dover Corp.  * Teledyne Technologies Inc.	51,474 17,361	7,917 7,748
Corebridge Financial Inc.	81,627	1,768	L3Harris Technologies Inc.	34,870	7,746
* Rocket Cos. Inc. Class A	47,326	685	Johnson Controls International plc	125,155	7,214
		318,682	* Waters Corp.	21,754	7,162
Health Care (9.5%)			* FleetCorTechnologies Inc.	25,235	7,132
* Dexcom Inc.	142,166	17,641	Veralto Corp.	86,099	7,082
* IQVIA Holdings Inc.	67,150	15,537	Expeditors International of Washington Inc.	53,504	6,806
* Centene Corp. GE HealthCare Technologies Inc.	196,561 142,379	14,587 11,009	Ball Corp. PPG Industries Inc.	116,015 43,380	6,673 6,487
West Pharmaceutical Services Inc.		9,586	JB Hunt Transport Services Inc.	30,364	6,065
Zimmer Biomet Holdings Inc.	76,891	9,358	Jacobs Solutions Inc.	46,372	6,019
* Veeva Systems Inc. Class A	48,400	9,318	Synchrony Financial	152,232	5,814
ResMed Inc.	54,121	9,310	Textron Inc.	72,115	5,799
Cardinal Health Inc.	90,693	9,142	Snap-on Inc.	19,420	5,609
* Alnylam Pharmaceuticals Inc.	46,175	8,838	Stanley Black & Decker Inc.	56,409	5,534
* IDEXX Laboratories Inc. * Illumina Inc.	15,279 58,430	8,481 8,136	Masco Corp. Packaging Corp. of America	82,589 32,980	5,532 5,373
STERIS plc	36,352	7,992	* Zebra Technologies Corp. Class A	18,897	5,373
* Molina Healthcare Inc.	21,452	7,751	TransUnion	71,271	4,897
* Align Technology Inc.	26,771	7,335	* Trimble Inc.	91,528	4,869
Baxter International Inc.	186,663	7,216	Howmet Aerospace Inc.	75,748	4,099
Laboratory Corp. of America Holdi		7,101	HEICO Corp. Class A	27,834	3,965
* Biogen Inc.	26,658	6,898	Hubbell Inc. Class B	9,865	3,245
Cooper Cos. Inc.  * BioMarin Pharmaceutical Inc.	18,221	6,896	HEICO Corp.	14,944	2,673
* Hologic Inc.	69,312 88,304	6,683 6,309	Jack Henry & Associates Inc. Crown Holdings Inc.	13,413 22,196	2,192 2,044
* Moderna Inc.	63,132	6,278	CH Robinson Worldwide Inc.	20,356	1,759
Quest Diagnostics Inc.	41,372	5,704	* BILL Holdings Inc.	18,663	1,523
* Avantor Inc.	248,867	5,682	*,1 Symbotic Inc. Class A	8,981	461
* Insulet Corp.	25,692	5,575		-	503,248
Revvity Inc.	45,402	4,963	Real Estate (8.3%)		* *
Viatris Inc.	441,360	4,780	Welltower Inc.	204,620	18,451
<ul> <li>* Incyte Corp.</li> <li>Royalty Pharma plc Class A</li> </ul>	70,093 139,138	4,401 3,908	Realty Income Corp.	266,380	15,295
Teleflex Inc.	8,669	2,161	Digital Realty Trust Inc.	111,434	14,997
-	2,300	,	* CoStar Group Inc. Extra Space Storage Inc.	150,263 77,741	13,131 12,464
			елиа эрасе этогаде IIIс.	/ /, /4	12,404

	Shares	Value* (\$000)		Shares	Value* (\$000)
perties Inc. Class A	380.667		Gen Digital Inc.		4,573
•			Bentley Systems Inc. Class B	83,698	4,367
roup Inc. Class A	106,548	9,918	* Unity Software Inc.	97,877	4,002
ay Communities Inc.	52,257	9,784	Paycom Software Inc.	18,837	3,894
aeuser Co.	268,614	9,340	Leidos Holdings Inc.	25,314	2,740
roperty Group Inc.	57,021	8,133	* DocuSign Inc. Class A	37,477	2,228
lesidential	132,740	8,118	* Qorvo Inc.	17,869	2,012
ria Real Estate Equities Inc.	63,940	8,106	* Match Group Inc.	49,930	1,822
n Homes Inc.	225,177	7,681		-	368,433
untain Inc.	107,440	7,519	Telecommunications (1.8%)		300,433
nc.	148,055	7,379	· ,	91 577	21,567
nmunities Inc.	45,790	6,120			19,120
roperty Trust Inc.	23,617	5,856			3,560
erica Apartment Communities Inc.	42,937	5,773			2,107
ey Inc.	80,461	5,215			471
).	121,032	4,634	Liberty Broadband Corp. Class A	3,041	
tels & Resorts Inc.	129,908	2,529			46,825
/ Centers Corp.	34,001	2,278	Utilities (7.4%)		
eak Properties Inc.	100,356	1,987	The state of the s	,	16,884
Property Trust	19,596	1,946			14,151
roup Inc. Class C			· .		13,737
roup Inc. Class A			Xcel Energy Inc.	203,024	12,569
	-		Consolidated Edison Inc.	126,912	11,545
(14 E0/)		210,908	· · · · · · · · · · · · · · · · · · ·	183,644	11,230
	000 154	01.004	Edison International	141,118	10,089
•				116,061	9,769
			American Water Works Co. Inc.	71,637	9,455
•			Eversource Energy	128,431	7,927
•			Entergy Corp.	77,797	7,872
•			FirstEnergy Corp.	200,550	7,352
			PPL Corp.	271,172	7,349
			DTE Energy Co.	64,460	7,107
			Ameren Corp.	96,575	6,986
			CenterPoint Energy Inc.	231,594	6,617
•			CMS Energy Corp.	107,351	6,234
•			Alliant Energy Corp.	92,960	4,769
			AES Corp.	246,301	4,741
OB Inc. Class A			Evergy Inc.	84,453	4,408
			NiSource Inc.	164,582	4,370
-			Vistra Corp.	65,863	2,537
			Avangrid Inc.	28,858	935
			·	_	188,633
					100,033
			(Cost \$1,966,799)		2,546,475
			Temporary Cash Investments (0.2%)		
				60 702	6,077
			(COSt \$0,076)	00,732	0,077
	31,933	6,577			
•	55,502		(Cost \$1,972,877)		2,552,552
c. Class A	384,204	6,505	Other Assets and Liabilities - Net (-0.1%)		(2,031)
hnologies Inc.	15,500	6,481			
ystems Inc.	21,231	6,313	1461 ASSEIS (10070)		2,550,521
Digital Corp.	119,306	6,248	Cost is in \$000.		
Technology Holdings plc	73,122	6,242	<ul> <li>See Note A in Notes to Financial Statements.</li> </ul>		
deo Communications Inc. Class A	85,367	6,139			
e Inc.	56,259	6,105		e total value of securitie	s on loan is
y Inc. Class A	51,818	5,501			
c. Class A	57,677	5,221	Affiliated money market fund available only to Vanguard funds	and certain trusts and a	ccounts
c. Class A	63,283	4,801	managed by Vanguard. Rate shown is the 7-day yield.		
TABLE TO THE STATE OF THE STATE	ay Communities Inc. seuser Co. roperty Group Inc. esidential ria Real Estate Equities Inc. n Homes Inc. untain Inc. nc. nmunities Inc. roperty Trust Inc. erica Apartment Communities Inc. ey Inc. tels & Resorts Inc. (Centers Corp. eak Properties Inc. Property Trust roup Inc. Class C roup Inc. Class A inc Corp. Class A inconductor Corp. fechnologies Inc. Class A inc. Inc. Class A nc. Bl Inc. Class A fechnology Inc. n Corp. Class A inc. Cre Inc. Class A inc. Inc. Inc. Inc. Class A inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. I	mmunications Corp. Class A   39,698   100,548   106,54	munications Corp. Class A 19,698 10,071 roup Inc. Class A 106,548 9,918 ay Communities Inc. 52,257 9,784 seuser Co. 268,614 9,340 roperty Group Inc. 63,240 8,113 esidential 132,740 8,113 ria Real Estate Equities Inc. 63,940 8,106 n Homes Inc. 107,440 7,519 8,133 ria Real Estate Equities Inc. 63,940 8,106 n Homes Inc. 107,440 7,519 6,120 roperty Trust Inc. 107,440 7,519 6,120 roperty Trust Inc. 225,177 7,681 untain Inc. 107,440 7,519 6,120 roperty Trust Inc. 23,617 5,856 8,106 n Homes Inc. 107,440 7,519 6,120 roperty Trust Inc. 23,617 5,856 1,216 2,215 2,216	mmunications Corp. Class A 10,6548 10,971 10,740 10	

Derivative Financial Instruments Outstanding as of Period End					
Futures Contracts					
				(\$000)	
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)	
Long Futures Contracts					
E-mini Russell 2000 Index	March 2024	3	307	(5)	
E-mini S&P 500 Index	March 2024	8	1,928	(5)	
E-mini S&P Mid-Cap 400 Index	March 2024	7	1,967	(19)	
				(29)	

# Statement of Assets and Liabilities As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	
Assets	
Investments in Securities, at Value <sup>1</sup>	
Unaffiliated Issuers (Cost \$1,966,799)	2,546,475
Affiliated Issuers (Cost \$6,078)	6,077
Total Investments in Securities	2,552,552
Investment in Vanguard	79
Cash	144
Cash Collateral Pledged—Futures Contracts	470
Receivables for Accrued Income	3,946
Receivables for Capital Shares Issued	749
Total Assets	2,557,940
Liabilities	
Payables for Investment Securities Purchased	173
Collateral for Securities on Loan	1,377
Payables for Capital Shares Redeemed	5,611
Payables to Vanguard	189
Variation Margin Payable—Futures Contracts	69
Total Liabilities	7,419
Net Assets	2,550,521
1 Includes \$1.255,000 of securities on Joan	

<sup>1</sup> Includes \$1,255,000 of securities on loan.

## At December 31, 2023, net assets consisted of:

Paid-in Capital	1,906,425
Total Distributable Earnings (Loss)	644,096
Net Assets	2,550,521
Net Assets	
Applicable to 106,575,701 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	2,550,521
Net Asset Value Per Share	\$23.93

# **Statement of Operations**

Year Ended December 31, 2023

	(\$000)
Investment Income	
Income	
Dividends <sup>1</sup>	38,774
Interest <sup>2</sup>	200
Securities Lending—Net	363
Total Income	39,337
Expenses	
The Vanguard Group—Note B	
Investment Advisory Services	47
Management and Administrative	3,596
Marketing and Distribution	130
Custodian Fees	54
Auditing Fees	31
Shareholders' Reports	72
Trustees' Fees and Expenses	1
Other Expenses	9
Total Expenses	3,940
Net Investment Income	35,397
Realized Net Gain (Loss)	
Investment Securities Sold <sup>2</sup>	30,014
Futures Contracts	1,081
Realized Net Gain (Loss)	31,095
Change in Unrealized Appreciation (Depreciation)	
Investment Securities <sup>2</sup>	284,865
Futures Contracts	89
Change in Unrealized Appreciation (Depreciation)	284,954
Net Increase (Decrease) in Net Assets Resulting from Operations	351,446

<sup>1</sup> Dividends are net of foreign withholding taxes of \$15,000.

<sup>2</sup> Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the portfolio were \$185,000, (\$2,000), less than \$1,000, and (\$1,000), respectively. Purchases and sales are for temporary cash investment purposes.

# Statement of Changes in Net Assets

	Year Ended	December 31,
	2023 (\$000)	2022 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	35,397	32,440
Realized Net Gain (Loss)	31,095	41,605
Change in Unrealized Appreciation (Depreciation)	284,954	(592,924)
Net Increase (Decrease) in Net Assets Resulting from Operations	351,446	(518,879)
Distributions		
Total Distributions	(73,871)	(277,011)
Capital Share Transactions		
Issued	312,862	270,019
Issued in Lieu of Cash Distributions	73,871	277,011
Redeemed	(345,053)	(300,821)
Net Increase (Decrease) from Capital Share Transactions	41,680	246,209
Total Increase (Decrease)	319,255	(549,681)
Net Assets		
Beginning of Period	2,231,266	2,780,947
End of Period	2,550,521	2,231,266

# Financial Highlights

For a Share Outstanding			Year	Ended Dec	ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$21.38	\$29.48	\$25.77	\$24.03	\$20.23
Investment Operations					
Net Investment Income <sup>1</sup>	.336	.319	.284	.325 <sup>2</sup>	.334
Net Realized and Unrealized Gain (Loss) on Investments	2.934	(5.464)	5.642	3.047	5.621
Total from Investment Operations	3.270	(5.145)	5.926	3.372	5.955
Distributions					
Dividends from Net Investment Income	(.319)	(.282)	(.318)	(.344)	(.350)
Distributions from Realized Capital Gains	(.401)	(2.673)	(1.898)	(1.288)	(1.805)
Total Distributions	(.720)	(2.955)	(2.216)	(1.632)	(2.155)
Net Asset Value, End of Period	\$23.93	\$21.38	\$29.48	\$25.77	\$24.03
Total Return	15.83%	-18.82%	24.36%	18.07%	30.87%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$2,551	\$2,231	\$2,781	\$2,241	\$2,155
Ratio of Total Expenses to Average Net Assets	0.17%	0.17% <sup>3</sup>	0.17%	0.17%	0.17%
Ratio of Net Investment Income to Average Net Assets	1.53%	1.39%	1.03%	1.50%²	1.49%
Portfolio Turnover Rate	16%	16%	20%	28%	21%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> Net investment income per share and the ratio of net investment income to average net assets include \$0.036 and 0.17%, respectively, resulting from a special dividend from NortonLifeLock Inc. in February 2020.

<sup>3</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.17%.

## Notes to Financial Statements

The Mid-Cap Index Portfolio, a portfolio of Vanguard Variable Insurance Funds, is registered under the Investment Company Act of 1940 as an open-end investment company. The portfolio's shares are only available for purchase by separate accounts of insurance companies as investments for variable annuity plans, variable life insurance contracts, or other variable benefit insurance contracts.

**A.** The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The portfolio consistently follows such policies in preparing its financial statements.

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the portfolio's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value.
- 2. Futures Contracts: The portfolio uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, maintaining liquidity, and minimizing transaction costs. The portfolio may purchase futures contracts to immediately invest incoming cash in the market, or sell futures in response to cash outflows, thereby simulating a fully invested position in the underlying index while maintaining a cash balance for liquidity. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the portfolio and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the portfolio trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the portfolio's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the portfolio's average investments in long and short futures contracts represented less than 1% and 0% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

- 3. Federal Income Taxes: The portfolio intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The portfolio's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the portfolio's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the portfolio's financial statements.
- 4. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 5. Securities Lending: To earn additional income, the portfolio lends its securities to qualified institutional borrowers. Security loans are subject to termination by the portfolio at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The portfolio further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the portfolio may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the portfolio; however, such actions may be subject to legal proceedings. While

collateral mitigates counterparty risk, in the event of a default, the portfolio may experience delays and costs in recovering the securities loaned. The portfolio invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the portfolio is entitled to all distributions made on or in respect of the loaned securities.

6. Credit Facilities and Interfund Lending Program: The portfolio and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the portfolio's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the portfolio's board of trustees and included in Management and Administrative expenses on the portfolio's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the portfolio and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the portfolio may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the portfolio's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the portfolio did not utilize the credit facilities or the Interfund Lending Program.

- 7. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.
- B. In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the portfolio, Vanguard furnishes to the portfolio investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the portfolio based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the portfolio may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the portfolio had contributed to Vanguard capital in the amount of \$79,000, representing less than 0.01% of the portfolio's net assets and 0.03% of Vanguard's capital received pursuant to the FSA. The portfolio's trustees and officers are also directors and employees, respectively, of Vanguard.

- **C.** Various inputs may be used to determine the value of the portfolio's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.
- Level 1—Quoted prices in active markets for identical securities.
- Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).
- **Level 3**—Significant unobservable inputs (including the portfolio's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

At December 31, 2023, 100% of the market value of the portfolio's investments and derivatives was determined based on Level 1 inputs.

D. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable passive foreign investment companies were reclassified between the individual components of total distributable earnings (loss).

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to the deferral of losses from wash sales; the recognition of unrealized gains or losses from certain derivative contracts; and the recognition of unrealized gains from passive foreign investment companies. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

	Amount (\$000)
Undistributed Ordinary Income	36,876
Undistributed Long-Term Gains	27,964
Net Unrealized Gains (Losses)	579,256
Capital Loss Carryforwards	_
Qualified Late-Year Losses	_
Other Temporary Differences	_
Total	644,096

The tax character of distributions paid was as follows:

	Year Ended December 31,		
	2023	2022	
	Amount (\$000)	Amount (\$000)	
Ordinary Income*	32,760	55,522	
Long-Term Capital Gains	41,111	221,489	
Total	73,871	277,011	

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	1,973,296
Gross Unrealized Appreciation	717,728
Gross Unrealized Depreciation	(138,472)
Net Unrealized Appreciation (Depreciation)	579,256

E. During the year ended December 31, 2023, the portfolio purchased \$386,157,000 of investment securities and sold \$370,562,000 of investment securities, other than temporary cash investments.

The portfolio purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$23,944,000 and sales were \$144,634,000, resulting in net realized loss of \$45,685,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

## F. Capital shares issued and redeemed were:

	Year Ended De	Year Ended December 31,	
	2023 Shares (000)	2022 Shares (000)	
Issued	14,297	11,614	
Issued in Lieu of Cash Distributions	3,576	11,188	
Redeemed	(15,649)	(12,791)	
Net Increase (Decrease) in Shares Outstanding	2,224	10,011	

G. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the portfolio's investments and portfolio performance.

To the extent the portfolio's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the portfolio may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the portfolio to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the portfolio's use of derivative(s) and the specific risks associated is described under significant accounting policies.

At December 31, 2023, one shareholder (an insurance company separate account whose holdings in the portfolio represent the indirect investment of Vanguard Variable Annuity contract holders) was the record or beneficial owner of 32% of the portfolio's net assets. If this shareholder were to redeem its investment in the portfolio, the redemption might result in an increase in the portfolio's expense ratio, cause the portfolio to incur higher transaction costs, or lead to the realization of taxable capital gains.

H. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

# Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Variable Insurance Funds and Shareholders of Mid-Cap Index Portfolio

#### Opinion on the Financial Statements

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Mid-Cap Index Portfolio (one of the portfolios constituting Vanguard Variable Insurance Funds, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

## **Basis for Opinion**

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 15, 2024

We have served as the auditor of one or more investment companies in The Vanguard Group of Funds since 1975.

## Tax information (unaudited)

For corporate shareholders, 80.2%, or if subsequently determined to be different, the maximum percentage allowable by law, of ordinary income (dividend income plus short-term gains, if any) for the fiscal year qualified for the dividends-received deduction.

The portfolio hereby designates \$68,000, or if subsequently determined to be different, the maximum amount allowable by law, of interest earned from obligations of the U.S. government which is generally exempt from state income tax.

The portfolio distributed \$41,111,000 as capital gain dividends (20% rate gain distributions) to shareholders during the fiscal year.

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NEITHER CRSP NOR THE UNIVERSITY GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE INDEX OR ANY DATA RELATED THERETO OR ANY COMMUNICATION, INCLUDING BUT NOT LIMITED TO, ORAL OR WRITTEN COMMUNICATION (INCLUDING ELECTRONIC COMMUNICATIONS) WITH RESPECT THERETO. NEITHER CRSP NOR THE UNIVERSITY SHALL BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS THEREIN. NEITHER CRSP NOR THE UNIVERSITY MAKES ANY EXPRESS OR IMPLIED WARRANTIES, AND CRSP AND THE UNIVERSITY EXPRESSLY DISCLAIM ALL WARRANTIES, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY VANGUARD, OWNERS OF THE VANGUARD MID-CAP INDEX PORTFOLIO, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE INDEX OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, IN NO EVENT WHATSOEVER SHALL CRSP OR THE UNIVERSITY BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, TRADING LOSSES, LOST TIME OR GOODWILL, EVEN IF IT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD-PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN CRSP AND VANGUARD, OTHER THAN THE LICENSORS, IF ANY, OF CRSP.

## The People Who Govern Your Fund

The trustees of your mutual fund are there to see that the fund is operated and managed in your best interests since, as a shareholder, you are a part owner of the fund. Your fund's trustees also serve on the board of directors of The Vanguard Group, Inc., which is owned by the Vanguard funds and provides services to them.

A majority of Vanguard's board members are independent, meaning that they have no affiliation with Vanguard or the funds they oversee, apart from the sizable personal investments they have made as private individuals. The independent board members have distinguished backgrounds in business, academia, and public service. Each of the trustees and executive officers oversees 208 Vanguard funds

Information for each trustee and executive officer of the fund appears below. That information, as well as the Vanguard fund count, is as of the date on the cover of this fund report. The mailing address of the trustees and officers is P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the *Statement of Additional Information*, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at vanguard.com.

### Interested Trustee<sup>1</sup>

## Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chairman of the board (2019-present) of Vanguard and of each of the investment companies served by Vanguard; chief executive officer (2018-present) of Vanguard; chief executive officer, president, and trustee (2018-present) of each of the investment companies served by Vanguard; president and director (2017-present) of Vanguard; and president (2018-present) of Vanguard Marketing Corporation. Chief investment officer (2013-2017), managing director (2002-2017), head of the Retail Investor Group (2006-2012), and chief information officer (2001-2006) of Vanguard. Member of the board of governors of the Investment Company Institute and the board of governors of FINRA.

## Independent Trustees

## Tara Bunch

Born in 1962. Trustee since November 2021. Principal occupation(s) during the past five years and other experience: head of global operations at Airbnb (2020–present). Vice president of AppleCare (2012–2020). Member of the board of directors of Out & Equal, the advisory board of the University of California, Berkeley School of Engineering, and the advisory board of Santa Clara University's Leavey School of Business.

## Emerson U. Fullwood

Born in 1948. Trustee since January 2008. Principal occupation(s) during the past five years and other experience: executive chief staff and marketing officer for North America and corporate vice president (retired 2008) of Xerox Corporation (document management products and services). Former president of the Worldwide Channels Group, Latin America, and Worldwide Customer Service and executive chief staff officer of Developing Markets of Xerox. Executive in residence and 2009–2010 Distinguished Minett Professor at the Rochester Institute of Technology. Member of the board of directors of the University of Rochester Medical Center, the Monroe Community College Foundation, the United Way of Rochester. North Carolina A&T University, Roberts Wesleyan College, and the Rochester Philharmonic Orchestra. Trustee of the University of Rochester.

## F. Joseph Loughrey

Born in 1949. Trustee since October 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2009) and vice chairman of the board (2008–2009) of Cummins Inc. (industrial machinery). Director of the V Foundation. Member of the advisory council for the College of Arts and Letters at the University of Notre Dame. Chairman of the board of Saint Anselm College.

## Mark Loughridge

Born in 1953. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: senior vice president and chief financial officer (retired 2013) of IBM (information technology services). Fiduciary member of IBM's Retirement Plan Committee (2004–2013), senior vice president and general manager (2002–2004) of IBM Global Financing, vice president and controller (1998–2002) of IBM, and a variety of other prior management roles at IBM. Member of the Council on Chicago Booth.

## Scott C. Malpass

Born in 1962. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: co-founder and managing partner (2022–present) of Grafton Street Partners (investment advisory firm). Chief investment officer (retired 2020) and vice president (retired 2020) of the University of Notre Dame. Chair of the board of Catholic Investment Services, Inc. (investment advisors). Member of the board of superintendence of the Institute for the Works of Religion, the Notre Dame 403(b) Investment Committee, and the board of directors of Paxos Trust Company (finance).

## Deanna Mulligan

Born in 1963. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chief executive officer of Purposeful (advisory firm for CEOs and C-level executives; 2021–present). Board chair (2020), chief executive officer (2011–2020), and president (2010–2019) of The Guardian Life Insurance Company of America. Chief operating officer (2010–2011) and executive vice president (2008–2010) of Individual Life and Disability of the Guardian Life Insurance Company of America. Director of DuPont. Member of the board of the Economic Club of New York. Trustee of the Partnership for New York City (business leadership), Chief Executives for Corporate Purpose, and the NewYork-Presbyterian Hospital.

#### André F. Perold

Born in 1952. Trustee since December 2004. Principal occupation(s) during the past five years and other experience: George Gund Professor of Finance and Banking, Emeritus at the Harvard Business School (retired 2011). Chief investment officer and partner of HighVista Strategies (private investment firm). Member of the board of RIT Capital Partners (investment firm).

### Sarah Bloom Raskin

Born in 1961. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: deputy secretary (2014–2017) of the United States Department of the Treasury. Governor (2010–2014) of the Federal Reserve Board. Commissioner (2007–2010) of financial regulation for the State of Maryland. Colin W. Brown Distinguished Professor of the Practice of Law, Duke Law School (2021–present); Rubenstein Fellow, Duke University (2017–2020); Distinguished Fellow of the Global Financial Markets Center, Duke Law School (2020–2022); and Senior Fellow, Duke Center on Risk (2020–present). Partner of Kaya Partners (climate policy advisory services). Member of the board of directors of Arcadia (energy solution technology).

## **Grant Reid**

Born in 1959. Trustee since July 2023. Principal occupation(s) during the past five years and other experience: chief executive officer and president (2014–2022) and member of the board of directors (2015–2022) of Mars, Incorporated (multinational manufacturer). Member of the board of directors of Marriott International, Inc. Chair of Agribusiness Task Force, Sustainable Markets Initiative.

## **David Thomas**

Born in 1956. Trustee since July 2021. Principal occupation(s) during the past five years and other experience: president of Morehouse College (2018–present). Professor of business administration, emeritus at Harvard University (2017–2018). Dean (2011–2016) and professor of management (2016–2017) at the Georgetown University McDonough School of Business. Director of DTE Energy Company. Trustee of Common Fund.

## Peter F. Volanakis

Born in 1955. Trustee since July 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2010) of Corning Incorporated (communications equipment) and director of Corning

Incorporated (2000–2010) and Dow Corning (2001–2010). Director (2012) of SPX Corporation (multi-industry manufacturing). Overseer of the Amos Tuck School of Business Administration, Dartmouth College (2001–2013). Member of the BMW Group Mobility Council.

## **Executive Officers**

## Jacqueline Angell

Born in 1974. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief compliance officer (November 2022–present) of Vanguard and of each of the investment companies served by Vanguard. Chief compliance officer (2018–2022) and deputy chief compliance officer (2017–2019) of State Street.

## Christine M. Buchanan

Born in 1970. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief financial officer (2021–present) and treasurer (2017–2022) of each of the investment companies served by Vanguard. Partner (2005–2017) at KPMG (audit, tax, and advisory services).

#### John Galloway

Born in 1973. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Investment stewardship officer (September

2020–present) of each of the investment companies served by Vanguard. Head of Investor Advocacy (February 2020–present) and head of Marketing Strategy and Planning (2017–2020) at Vanguard. Special assistant to the President of the United States (2015).

### Ashley Grim

Born in 1984. Principal occupation(s) during the past five years and other experience: treasurer (February 2022–present) of each of the investment companies served by Vanguard. Fund transfer agent controller (2019–2022) and director of Audit Services (2017–2019) at Vanguard. Senior manager (2015–2017) at PriceWaterhouseCoopers (audit and assurance, consulting, and tax services).

#### Jodi Miller

Born in 1980. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Finance director (2022–present) of each of the investment companies served by Vanguard. Head of Enterprise Investment Services (2020–present), head of Retail Client Services and Operations (2020–2022), and head of Retail Strategic Support (2018–2020) at Vanguard.

#### Anne E. Robinson

Born in 1970. Principal occupation(s) during the past five years and other experience: general counsel (2016–present) of Vanguard. Secretary (2016–present) of Vanguard and of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Managing director and general counsel of Global Cards and Consumer Services (2014–2016) at Citigroup. Counsel (2003–2014) at American Express. Nonexecutive director (2022–present) of the board of National Grid (energy).

#### Michael Rollings

Born in 1963. Principal occupation(s) during the past five years and other experience: finance director (2017–present) and treasurer (2017) of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Chief financial officer (2016–present) of Vanguard. Director (2016–present) of Vanguard Marketing Corporation. Executive vice president and chief financial officer (2006–2016) of MassMutual Financial Group.

## Vanguard Senior Management Team

Matthew Benchener Joseph Brennan Mortimer J. Buckley Gregory Davis John James Chris D. McIsaac Thomas M. Rampulla Karin A. Risi Anne E. Robinson Michael Rollings Nitin Tandon Lauren Valente

# **Vanguard**

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This material may be used in conjunction with the offering of shares of any Vanguard fund only if preceded or accompanied by the fund's current prospectus.

All comparative mutual fund data are from Morningstar, Inc., unless otherwise noted.

You can obtain a free copy of Vanguard's proxy voting guidelines by visiting vanguard.com/proxyreporting or by calling Vanguard at 800-662-2739. The guidelines are also available from the SEC's website, www.sec.gov. In addition, you may obtain a free report on how your fund voted the proxies for securities it owned during the 12 months ended June 30. To get the report, visit either vanguard.com/proxyreporting or www.sec.gov.

You can review information about your portfolio on the SEC's website, and you can receive copies of this information, for a fee, by sending a request via email addressed to publicinfo@sec.gov.

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Annual Report | December 31, 2023

# Vanguard Variable Insurance Funds

Money Market Portfolio

See the inside front cover for important information about your fund's annual and semiannual shareholder reports.

## Important information about shareholder reports

Beginning in July 2024, amendments adopted by the Securities and Exchange Commission will substantially impact the design, content, and transmission of shareholder reports. Shareholder reports will provide key fund information in a clear and concise format and must be mailed to each shareholder that has not elected to receive the reports electronically. Financial statements will no longer be included in the shareholder report but will be available at vanguard.com, can be mailed upon request, or can be accessed on the SEC's website at www.sec.gov.

You may elect to receive shareholder reports and other communications from the fund electronically by contacting your financial intermediary (such as a broker-dealer or bank) or, if you invest directly with the fund, by calling Vanguard at one of the phone numbers on the back cover of this report or by logging on to vanguard.com.

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## About Your Portfolio's Expenses

As a shareholder of the portfolio, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a portfolio's gross income, directly reduce the investment return of the portfolio.

A portfolio's expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your portfolio and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your portfolio's costs in two ways:

• Based on actual portfolio return. This section helps you to estimate the actual expenses that you paid over the period. The "Ending Account Value" shown is derived from the portfolio's actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the portfolio. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your portfolio under the heading "Expenses Paid During Period."

• Based on hypothetical 5% yearly return. This section is intended to help you compare your portfolio's costs with those of other mutual funds. It assumes that the portfolio had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the portfolio's actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your portfolio's costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the portfolio for buying and selling securities. The portfolio's expense ratio does not reflect additional fees and expenses associated with the annuity or life insurance program through which you invest.

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the portfolio's expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your portfolio's current prospectus.

## Six Months Ended December 31, 2023

Money Market Portfolio	Beginning Account Value 6/30/2023	Ending Account Value 12/31/2023	Expenses Paid During Period
Based on Actual Portfolio Return	\$1,000.00	\$1,026.60	\$0.77
Based on Hypothetical 5% Yearly Return	1,000.00	1,024.45	0.77

The calculations are based on expenses incurred in the most recent six-month period. The portfolio's annualized six-month expense ratio for that period is 0.15%. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (184/365).

# Money Market Portfolio

# Distribution by Effective Maturity<sup>1</sup> As of December 31, 2023

1 - 7 Days	58.4%
8 - 30 Days	6.2
31 - 60 Days	18.8
61 - 90 Days	9.9
91 - 180 Days	6.7

<sup>1</sup> Percentage of investments.

## **Financial Statements**

## Schedule of Investments

As of December 31, 2023

The portfolio publishes its holdings on a monthly basis on Vanguard's website and files them with the Securities and Exchange Commission (SEC) on Form N-MFP. The portfolio's Form N-MFP filings may be viewed via a link on the "Portfolio Holdings" page at www.vanguard.com or on the SEC's website at www.sec.gov.

			urity Date	Face Amount (\$000)	Market Value* (\$000)			Maturity Yield <sup>1</sup> Date	Face Amount (\$000)	Market Value* (\$000)
U.S	. Government and Agency O	bligations (58.8%)					Federal Home Loan Bank			
	Fannie Mae Discount	F 4040/ 2/	0/0/	450	455		Discount Notes Federal Home Loan Bank	5.426% 2/12/24	1,086	1,079
2	Notes Federal Farm Credit Banks	5.404% 3/0	0/24	459	455		Discount Notes Federal Home Loan Bank	5.405%-5.412% 2/14/24	2,797	2,779
	Funding Corp., SOFR + 0.025%	5.425% 1/3	3/24	10,000	10,000		Discount Notes Federal Home Loan Bank	5.298%-5.346% 2/16/24	11,536	11,458
2	Federal Farm Credit Banks Funding Corp., SOFR +	5 4400V 4V		10.100	10.000		Discount Notes Federal Home Loan Bank	5.407% 2/21/24	5,000	4,963
2	0.040% Federal Farm Credit Banks	5.440% 1/3	3/24	10,400	10,399		Discount Notes Federal Home Loan Bank	5.398% 2/23/24	1,332	1,322
	Funding Corp., SOFR + 0.040%	5.440% 1/3	3/24	3,100	3,100		Discount Notes	5.391%-5.438% 2/27/24	7,497	7,434
2	Federal Farm Credit Banks Funding Corp., SOFR +						Federal Home Loan Bank Discount Notes	5.41%-5.415% 2/28/24	3,476	3,446
2	0.040% Federal Farm Credit Banks	5.440% 1/3	3/24	726	726		Federal Home Loan Bank Discount Notes	5.346% 3/1/24	6,471	6,414
2	Funding Corp., SOFR + 0.045%	5.445% 1/3	3/24	3,300	3,300		Federal Home Loan Bank Discount Notes	5.444% 3/5/24	2,173	2,153
2	Federal Farm Credit Banks Funding Corp., SOFR +						Federal Home Loan Bank Discount Notes	5.405% 3/6/24	1,102	1,091
2	0.045% Federal Farm Credit Banks	5.445% 1/3	3/24	925	925		Federal Home Loan Bank Discount Notes	5.346%-5.405% 3/8/24	2,600	2,575
	Funding Corp., SOFR + 0.050%	5.450% 1/3	3/24	8,975	8,975		Federal Home Loan Bank Discount Notes	5.448% 3/11/24	1,861	1,842
2	Federal Farm Credit Banks Funding Corp., SOFR +						Federal Home Loan Bank Discount Notes	5.336% 3/13/24	266	263
2	0.050% Federal Farm Credit Banks	5.450% 1/3	3/24	8,150	8,150		Federal Home Loan Bank Discount Notes	5.415% 3/14/24	5,000	4,947
	Funding Corp., SOFR + 0.080%	5.480% 1/3	3/24	1,576	1,576		Federal Home Loan Bank Discount Notes	5.433%-5.438% 3/15/24	1,370	1,355
2	Federal Farm Credit Banks Funding Corp., SOFR +						Federal Home Loan Bank Discount Notes	5.454% 3/18/24	5,395	5,334
2	0.120% Federal Farm Credit Banks	5.520% 1/3	3/24	960	960		Federal Home Loan Bank Discount Notes	5.412% 3/19/24	6,367	6,295
0	Funding Corp., SOFR + 0.150%	5.550% 1/3	3/24	3,600	3,600		Federal Home Loan Bank Discount Notes	5.420% 3/22/24	2,339	2,311
2	Federal Farm Credit Banks Funding Corp., SOFR +	5 5550V 44V	2/0.4	0.500	0.504		Federal Home Loan Bank Discount Notes	5.378% 3/27/24	4,731	4,672
2	0.155% Federal Farm Credit Banks	5.555% 1/3	3/24	3,500	3,501		Federal Home Loan Bank Discount Notes	5.382%-5.413% 4/1/24	1,062	1,048
2	Funding Corp., SOFR + 0.165%	5.565% 1/3	3/24	2,000	2,000		Federal Home Loan Bank Discount Notes	5.406% 4/3/24	3,940	3,886
-	Federal Farm Credit Banks Funding Corp., United States Treasury						Federal Home Loan Bank Discount Notes	5.403% 4/5/24	158	156
	3M Bill Money Market Yield - 0.040%	5.291% 1/3	3/2/	765	765		Federal Home Loan Bank Discount Notes	5.417% 4/12/24	1,300	1,281
	Federal Farm Credit Discount Notes	5.419% 3/2		3,000	2,965		Federal Home Loan Bank Discount Notes	5.421% 4/25/24	1,999	1,965
	Federal Home Loan Bank Discount Notes	5.432% 1/3		732	732		Federal Home Loan Bank Discount Notes	5.350% 5/10/24	4,300	4,218
	Federal Home Loan Bank						Federal Home Loan Bank Discount Notes	5.372% 5/24/24	3,000	2,937
	Discount Notes Federal Home Loan Bank	5.391%-5.509% 1/9		8,717	8,712		Federal Home Loan Banks Federal Home Loan Banks	5.510% 4/1/24 5.350% 5/30/24	5,379 3,575	5,379 3,575
	Discount Notes Federal Home Loan Bank	5.313%-5.514% 1/1		2,769	2,764	2	Federal Home Loan Banks, SOFR + 0.000%	5.400% 1/3/24	2,300	2,300
	Discount Notes Federal Home Loan Bank	5.326%-5.4000% 1/1		1,751	1,747	2	Federal Home Loan Banks, SOFR + 0.000%	5.400% 1/3/24	900	900
	Discount Notes Federal Home Loan Bank	5.410% 1/1	9/24	3,000	2,992	2	Federal Home Loan Banks, SOFR + 0.035%	5.435% 1/3/24	2,245	2,245
	Discount Notes Federal Home Loan Bank	5.335% 1/2	6/24	1,625	1,619	2	Federal Home Loan Banks, SOFR + 0.035%	5.435% 1/3/24	2,000	2,000
	Discount Notes Federal Home Loan Bank	5.409% 1/2	9/24	594	591	2	Federal Home Loan Banks, SOFR + 0.035%	5.435% 1/3/24	1,270	1,270
	Discount Notes Federal Home Loan Bank	5.387%-5.476% 1/3	1/24	1,251	1,245	2	Federal Home Loan Banks, SOFR + 0.035%	5.435% 1/3/24	650	650
	Discount Notes Federal Home Loan Bank	5.288%-5.457% 2/2	2/24	2,392	2,381	2	Federal Home Loan Banks, SOFR + 0.040%	5.440% 1/3/24	8,500	8,500
	Discount Notes Federal Home Loan Bank	5.366%-5.434% 2/	6/24	8,623	8,577	2	Federal Home Loan Banks, SOFR + 0.040%	5.440% 1/3/24 5.440% 1/3/24	3,245	3,245
	Discount Notes Federal Home Loan Bank	5.288%-5.498% 2/	7/24	6,108	6,074	2	Federal Home Loan Banks, SOFR + 0.040%	5.440% 1/3/24	3,245	3,225
	Discount Notes Federal Home Loan Bank	5.078% 2/8		3,671	3,652	2	Federal Home Loan Banks, SOFR + 0.040%	5.440% 1/3/24	1,620	1,620
	Discount Notes	5.065%-5.436% 2/	9/24	17,064	16,972	2	Federal Home Loan Banks, SOFR + 0.040%	5.440% 1/3/24	1,325	1,325
							301111 0.040 /0	J.740 /0 1/3/24	1,020	1,020

			Face rity Amount ate (\$000	Value*	Face Maturity Amount Yield <sup>1</sup> Date (\$000)	Market Value* (\$000)
2	Federal Home Loan Banks, SOFR + 0.040%	5.440% 1/3	/24 1,300	1,300	Federal Home Loan Banks, SOFR + 0.250% 5.425% 1/3/24 800	800
2	Federal Home Loan Banks, SOFR + 0.040%	5.440% 1/3		,	<sup>2</sup> Federal Home Loan Banks, SOFR + 0.250% 5.425% 1/3/24 800	800
2	Federal Home Loan Banks, SOFR + 0.040%	5.440% 1/3			<sup>2</sup> Federal Home Loan Banks, SOFR + 0.350% 5.435% 1/3/24 2,335	2,335
2	Federal Home Loan Banks, SOFR + 0.040%	5.440% 1/3			<sup>2</sup> Federal Home Loan Banks, SOFR + 0.350% 5.435% 1/3/24 755	755
2	Federal Home Loan Banks, SOFR + 0.040%	5.440% 1/3			Federal Home Loan Banks, SOFR + 0.400% 5.440% 1/3/24 755	755
2	Federal Home Loan Banks, SOFR + 0.045%	5.445% 1/3			United States Treasury Bill 5.023%-5.318% 1/4/24 18,000 United States Treasury Bill 5.432% 1/11/24 10,914	17,992 10,897
2	Federal Home Loan Banks, SOFR + 0.045%	5.445% 1/3	,	,	United States Treasury Bill 5.313%-5.378% 1/18/24 17,219	17,175
2	Federal Home Loan Banks,		,		United States Treasury Bill 4.587%-4.955% 1/30/24 15,072 United States Treasury Bill 4.951%-5.300% 2/6/24 19,029	15,009 18,928
2	SOFR + 0.045% Federal Home Loan Banks,	5.445% 1/3	,	,	United States Treasury Bill 5.261% 2/8/24 25,152 United States Treasury Bill 5.258% 2/15/24 12,000	25,012 11,921
2	SOFR + 0.045% Federal Home Loan Banks,	5.445% 1/3			United States Treasury Bill 5.262% 2/20/24 27,842 United States Treasury Bill 5.184% 2/22/24 13,690	27,635 13,585
2	SOFR + 0.045% Federal Home Loan Banks,	5.445% 1/3			United States Treasury Bill 5.194% 2/29/24 19,000 United States Treasury Bill 5.222% 3/7/24 27,460	18,836 27,196
2	SOFR + 0.045% Federal Home Loan Banks,	5.445% 1/3	/24 3,225	3,225	United States Treasury Bill 5.192% 3/12/24 12,000	11,875
2	SOFR + 0.045% Federal Home Loan Banks,	5.445% 1/3	/24 3,225	3,225	United States Treasury Bill 5.232 % 3/14/24 7,345 United States Treasury Bill 5.162 % 3/19/24 25,000	7,267 24,715
2	SOFR + 0.045% Federal Home Loan Banks.	5.445% 1/3	/24 1,610	1,610	United States Treasury Bill 5.175% 3/26/24 7,000 United States Treasury Bill 5.147% 4/2/24 23,909	6,913 23,589
2	SOFR + 0.045% Federal Home Loan Banks.	5.445% 1/3	/24 1,300	1,300	United States Treasury Bill 5.147% 4/9/24 25,000 United States Treasury Bill 5.339% 5/30/24 10,000	24,640 9,782
2	SOFR + 0.045%	5.445% 1/3	/24 800	800	United States Treasury	3,702
2	Federal Home Loan Banks, SOFR + 0.045%	5.445% 1/3	/24 640	640	Floating Rate Note, United States Treasury 3M Bill Money Market	
2	Federal Home Loan Banks, SOFR + 0.050%	5.450% 1/3	/24 12,160	12,160	Yield - 0.075% 5.256% 1/3/24 763  United States Treasury	762
	Federal Home Loan Banks, SOFR + 0.050%	5.450% 1/3	/24 7,205	7,205	Floating Rate Note,	
2	Federal Home Loan Banks, SOFR + 0.050%	5.450% 1/3	/24 6,455	6,455	United States Treasury 3M Bill Money Market Yield + 0.037% 5.368% 1/3/24 5,000	5,000
2	Federal Home Loan Banks, SOFR + 0.050%	5.450% 1/3	/24 4,800	4,800	United States Treasury	5,000
2	Federal Home Loan Banks, SOFR + 0.050%	5.450% 1/3	/24 3,200	3,200	Floating Rate Note, United States Treasury	
2	Federal Home Loan Banks,				3M Bill Money Market	0.000
	SOFR + 0.050%	5.450% 1/3	/24 3,200	3,200	Yield + 0.200% 5.531% 1/3/24 6,000	6,009
2	SOFR + 0.050% Federal Home Loan Banks,	5.450% 1/3 5.450% 1/3			United States Treasury Inflation Indexed Bonds  5.531% 1/3/24 6,000  0.625% 1/15/24 9,625	9,604
2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks,	5.450% 1/3	/24 800	800	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)	
	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks,	5.450% 1/3 5.450% 1/3	/24 800 /24 500	800 500	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)	9,604
2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks,	5.450% 1/3 5.450% 1/3 5.455% 1/3	/24 800 /24 500 /24 6,000	800 500 6,000	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23,	9,604
2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks,	5.450% 1/3 5.450% 1/3 5.455% 1/3	/24 800 /24 500 /24 6,000 /24 3,255	800 500 6,000 3,255	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill	9,604
2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks,	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255	800 500 6,000 3,255 3,255	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a	9,604 715,235
2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks,	5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900	800 500 6,000 3,255 3,255 2,900	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000)  BNP Paribas Securities	9,604
2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks,	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800	800 500 6,000 3,255 3,255 2,900 800	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23,	9,604 715,235
2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks,	5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800 /24 800	800 500 6,000 3,255 3,255 2,900 800	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000,	9,604 715,235
2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.056% Federal Home Loan Banks, SOFR + 0.060% Federal Home Loan Banks,	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.456% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800 /24 800 /24 7,000	800 500 6,000 3,255 3,255 2,900 800 800 7,000	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000 BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation	9,604 715,235
2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.056%	5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800 /24 800 /24 7,000	800 500 6,000 3,255 3,255 2,900 800 7,000	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and	9,604 715,235
2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.060%	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.456% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800 /24 800 /24 7,000 /24 4,855	800 500 6,000 3,255 3,255 2,900 800 800 7,000 4,855	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750%—4.625%,	9,604 715,235
2 2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.060%	5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.460% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800 /24 800 /24 7,000 /24 4,855 /24 2,700	800 500 6,000 3,255 3,255 2,900 800 800 7,000 4,855 2,700	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750%—4.625%, 3/15/26–1/31/29, with a value of \$4,080,000) 5.385% 1/29/24 4,000	9,604 715,235
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.060%	5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.4560% 1/3 5.460% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800 /24 800 /24 4,855 /24 2,700 /24 585	800 500 6,000 3,255 3,255 2,900 800 7,000 4,855 2,700 585	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750%—4.625%, 3/15/26—1/31/29, with a value of \$4,080,000)  BNP Paribas Securities Corp.	9,604 715,235 2,000
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.060%	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800 /24 800 /24 7,000 /24 4,855 /24 2,700 /24 585 /24 1,390	800 500 6,000 3,255 3,255 2,900 800 7,000 4,855 2,700 585 1,390	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750%—4.625%, 3/15/26—1/31/29, with a value of \$4,080,000) 5.385% 1/29/24 4,000  BNP Paribas Securities Corp. (Dated 11/30/23, Repurchase Value	9,604 715,235 2,000
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.060% Federal Home Loan Banks, SOFR + 0.065% Federal Home Loan Banks, SOFR + 0.065% Federal Home Loan Banks, SOFR + 0.065%	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 2,900 /24 800 /24 800 /24 7,000 /24 2,700 /24 2,700 /24 585 /24 7,300	800 500 6,000 3,255 3,255 2,900 800 7,000 4,855 2,700 585 1,390 7,300	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750%—4.625%, 3/15/26–1/31/29, with a value of \$4,080,000) 5.385% 1/29/24 4,000  BNP Paribas Securities Corp. (Dated 11/30/23, Repurchase Value \$4,036,000, collateralized by U.S. Treasury Note/Bond 0.000, collateralized by U.S. Treasury Note/Bond 0.000 0.0000 0.0000000000000000000000	9,604 715,235 2,000
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.065% Federal Home Loan Banks, SOFR + 0.060% Federal Home Loan Banks, SOFR + 0.065%	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800 /24 800 /24 4,855 /24 2,700 /24 585 /24 1,390 /24 7,300 /24 4,700	800 500 6,000 3,255 3,255 2,900 800 7,000 4,855 2,700 585 1,390 7,300 4,700	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750% -4.625%, 3/15/26-1/31/29, with a value of \$4,080,000) 5.385% 1/29/24 4,000  BNP Paribas Securities Corp. (Dated 11/30/23, Repurchase Value \$4,036,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.750% 1/20/23, Repurchase Value \$4,036,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond	9,604 715,235 2,000
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.065% Federal Home Loan Banks, SOFR + 0.060% Federal Home Loan Banks, SOFR + 0.065%	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800 /24 7,000 /24 4,855 /24 2,700 /24 585 /24 1,390 /24 7,300 /24 4,700 /24 3,200	800 500 6,000 3,255 3,255 2,900 800 7,000 4,855 2,700 585 1,390 7,300 4,700 3,200	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750%—4.625%, 3/15/26—1/31/29, with a value of \$4,080,000) 5.385% 1/29/24 4,000  BNP Paribas Securities Corp. (Dated 11/30/23, Repurchase Value \$4,036,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 0.125%, 10/15/24, and U.S. Treasury Inflation Indexed Note/Bond 0.125%, 10/15/24, and U.S. Treasury Note/Bond U.S. Treasury Note/Bond 0.125%, 10/15/24, and U.S. Treasury Note/Bond	9,604 715,235 2,000
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.060% Federal Home Loan Banks, SOFR + 0.065%	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/5 5.460% 1/5 5.460% 1/5 5.460% 1/5 5.460% 1/5 5.465% 1/3 5.465% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 2,900 /24 800 /24 800 /24 7,000 /24 2,700 /24 2,700 /24 585 /24 7,300 /24 7,300 /24 4,700 /24 3,200 /24 1,135	800 500 6,000 3,255 3,255 2,900 800 7,000 4,855 2,700 585 1,390 7,300 4,700 3,200 1,135	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750%—4.625%, 3/15/26—1/31/29, with a value of \$4,080,000) 5.385% 1/29/24 4,000  BNP Paribas Securities Corp. (Dated 11/30/23, Repurchase Value \$4,036,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 0.125%, 10/15/24, and U.S. Treasury Note/Bond 0.500%—4.000%, 10/31/27—2/29/28, with a	9,604 715,235 2,000 4,000
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.065% Federal Home Loan Banks, SOFR + 0.060% Federal Home Loan Banks, SOFR + 0.065%	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 3,255 /24 2,900 /24 800 /24 7,000 /24 4,855 /24 2,700 /24 1,390 /24 7,300 /24 4,700 /24 4,700 /24 3,200 /24 1,135 /24 1,100	800 500 6,000 3,255 3,255 2,900 800 7,000 4,855 2,700 585 1,390 7,300 4,700 3,200 1,135 1,100	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750%—4.625%, 3/15/26—1/31/29, with a value of \$4,080,000) 5.385% 1/29/24 4,000  BNP Paribas Securities Corp. (Dated 11/30/23, Repurchase Value \$4,036,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 0.125%, 10/15/24, and U.S. Treasury Inflation Indexed Note/Bond 0.125%, 10/15/24, and U.S. Treasury Note/Bond 0.500%—4.000%,	9,604 715,235 2,000
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.065% Federal Home Loan Banks, SOFR + 0.060% Federal Home Loan Banks, SOFR + 0.065% Federal Home Loan Banks,	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 2,900 /24 800 /24 800 /24 7,000 /24 4,855 /24 2,700 /24 585 /24 7,300 /24 3,200 /24 3,200 /24 1,135 /24 1,700 /24 1,700	800 500 6,000 3,255 3,255 2,900 800 800 7,000 4,855 2,700 585 1,390 7,300 4,700 3,200 1,135 1,100 1,700	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750%—4.625%, 3/15/26—1/31/29, with a value of \$4,080,000) 5.385% 1/29/24 4,000  BNP Paribas Securities Corp. (Dated 11/30/23, Repurchase Value \$4,036,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 0.125%, 10/15/24, and U.S. Treasury Note/Bond 0.500%—4.000%, 10/31/27—2/29/28, with a	9,604 715,235 2,000 4,000
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.050% Federal Home Loan Banks, SOFR + 0.055% Federal Home Loan Banks, SOFR + 0.065% Federal Home Loan Banks, SOFR + 0.060% Federal Home Loan Banks, SOFR + 0.065% Federal Home Loan Banks, SOFR + 0.085% Federal Home Loan Banks, SOFR + 0.085% Federal Home Loan Banks,	5.450% 1/3 5.450% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.455% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.460% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3 5.465% 1/3	/24 800 /24 500 /24 6,000 /24 3,255 /24 2,900 /24 800 /24 800 /24 7,000 /24 4,855 /24 2,700 /24 7,300 /24 7,300 /24 7,300 /24 3,200 /24 1,135 /24 1,100 /24 1,630	800 500 6,000 3,255 3,255 2,900 800 7,000 4,855 2,700 585 1,390 7,300 4,700 3,200 1,135 1,100 1,700 1,630	United States Treasury Inflation Indexed Bonds 0.625% 1/15/24 9,625  Total U.S. Government and Agency Obligations (Cost \$715,235)  Repurchase Agreements (41.8%)  Bank of Montreal (Dated 12/14/23, Repurchase Value \$2,010,000, collateralized by U.S. Treasury Bill 0.000%, 5/9/24, with a value of \$2,040,000) 5.320% 1/18/24 2,000  BNP Paribas Securities Corp. (Dated 11/27/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 1.375%, 7/15/33, and U.S. Treasury Note/Bond 1.750%—4.625%, 3/15/26—1/31/29, with a value of \$4,080,000) 5.385% 1/29/24 4,000  BNP Paribas Securities Corp. (Dated 11/30/23, Repurchase Value \$4,036,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 0.125%, 10/15/24, and U.S. Treasury Note/Bond 0.500%—4.000%, 10/31/27—2/29/28, with a	9,604 715,235 2,000 4,000

	Maturity Yield <sup>1</sup> Date	Face Amount (\$000)	Market Value* (\$000)		Maturity Yield <sup>1</sup> Date	Face Amount (\$000)	Market Value* (\$000)
BNP Paribas Securities Corp. (Dated 12/1/23, Repurchase Value \$4,036,000, collateralized by U.S. Treasury Inflation				Fixed Income Clearing Corp. (Dated 12/29/23, Repurchase Value \$25,015,000, collateralized by U.S. Treasury Note/Bond			
Indexed Note/Bond 0.125%, 10/15/24, and U.S. Treasury Note/Bond 4.375%, 12/15/26, with a value of \$4,080,000) BNP Paribas Securities	5.380% 1/31/24	4,000	4,000	0.500%, 4/30/27, with a value of \$25,500,000) Fixed Income Clearing Corp. (Dated 12/29/23, Repurchase Value	5.330% 1/2/24	25,000	25,000
Corp. (Dated 12/6/23, Repurchase Value \$4,038,000, collateralized by U.S. Treasury Note/Bond 0.500%-4.000%, 6/30/27-1/31/2029, with				\$4,002,000, collateralized by U.S. Treasury Note/Bond 3.500%, 4/30/30, with a value of \$4,080,000) Fixed Income Clearing Corp. (Dated 12/29/23,	5.320% 1/2/24	4,000	4,000
a value of \$4,080,000)  Canadian Imperial Bank of Commerce (Dated 12/28/23, Repurchase Value \$4,012,000, collateralized by U.S. Treasury Inflation	5.380% 2/8/24	4,000	4,000	Repurchase Value \$4,002,000, collateralized by U.S. Treasury Note/Bond 4.625%, 3/15/26, with a value of \$4,080,000) Goldman Sachs & Co.	5.310% 1/2/24	4,000	4,000
Indexed Note/Bond 3.625%, 4/15/28, and U.S. Treasury Note/Bond 1.375%-4.125%, 8/31/26-8/15/42, with a value of \$4,080,000) Canadian Imperial Bank of	5.330% 1/18/24	4,000	4,000	(Dated 12/29/23, Repurchase Value \$11,007,000, collateralized by U.S. Treasury Note/Bond 0.750%, 3/31/26, with a value of \$11,220,000) Natixis SA	5.340% 1/2/24	11,000	11,000
Commerce (Dated 12/14/23, Repurchase Value \$12,087,000, collateralized by U.S. Treasury Bill 0.000%, 12/26/24, U.S. Treasury Inflation Indexed Note/Bond 0.500%-2.125%, 1/15/28-2/15/41, and U.S. Treasury Note/Bond				(Dated 12/29/23, Repurchase Value \$2,001,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 0.250%-1.750%, 1/15/28-2/15/50, and U.S. Treasury Note/Bond 1.875%-2.000%, 8/15/51-11/15/51, with a value of \$2,040,000)	E 2509/ 1/2/24	2,000	2,000
1.375%-4.250%, 12/31/24-8/15/53, with a value of \$12,240,000) Citigroup Global Markets Inc. (Dated 12/27/23, Repurchase Value \$10,010,000,	5.325% 2/1/24	12,000	12,000	Nomura International plc (Dated 12/29/23, Repurchase Value \$2,001,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond	5.350% 1/2/24	2,000	2,000
collateralized by U.S. Treasury Inflation Indexed Note/Bond 0.625%, 1/15/26, and U.S. Treasury Note/Bond 0.375%-3.875%, 12/31/25-1/31/26, with a value of \$10,200,000) Credit Agricole Securities (Dated 12/29/23,	5.340% 1/3/24	10,000	10,000	0.375%, 7/15/27, with a value of \$2,042,000) RBC Capital Markets LLC (Dated 12/14/23, Repurchase Value \$5,036,000, collateralized by U.S. Treasury Inflation Indexed Note/Bond 0.125%–2.375%, 1/15/25–7/15/30, and	5.350% 1/2/24	2,000	2,000
Repurchase Value \$3,002,000, collateralized by U.S. Treasury Note/Bond 0.750%, 4/30/26, with a value of \$3,060,000) Federal Reserve Bank of New York	5.330% 1/2/24	3,000	3,000	U.S. Treasury Note/Bond 1.750%—4.625%, 9/15/26–11/15/42, with a value of \$5,100,000) Royal Bank of Canada (Dated 12/28/23, Repurchase Value \$9,009,000,	5.330% 1/31/24	5,000	5,000
(Dated 12/29/23, Repurchase Value \$297,175,000, collateralized by U.S. Treasury Note/Bond 0.250%—3.875%, 5/15/24–5/15/45, with a value of \$297,175,000)	5.300% 1/2/24	297,000	297,000	collateralized by U.S. Treasury Note/Bond 2.875%, 6/15/25, with a value of \$9,180,000) Royal Bank of Canada (Dated 12/14/23, Repurchase Value \$18,131,000,	5.360% 1/4/24	9,000	9,000
Fixed Income Clearing Corp. (Dated 12/29/23, Repurchase Value \$60,036,000, collateralized by U.S. Treasury Note/Bond	. , -		• '	collateralized by U.S. Treasury Bill 0.000%, 1/25/24-2/22/24, with a value of \$18,360,000)	5.330% 2/1/24	18,000	18,000
2.875%, 5/15/32, with a value of \$61,500,000)	5.330% 1/2/24	60,000	60,000				

	Yield <sup>1</sup>	Maturity Date	Face Amount (\$000)	Market Value* (\$000)
Standard Chartered Bank (Dated 12/29/23, Repurchase Value \$11,007,000, collateralized by U.S. Treasury Note/Bond 0.625%-4.375%, 7/31/24-8/15/50, with a value of \$11,227,000) Sumitomo Mitsui Banking Corp. (Dated 12/29/23, Repurchase Value \$11,007,000, collateralized by U.S. Treasury Note/Bond 0.250%-4.625%, 2/29/24-8/15/33, with a value of \$11,220,000) TD Securities (USA) LLC (Dated 12/29/23, Repurchase Value \$3,002,000, collateralized by U.S. Treasury Note/Bond 0.250%-4.625%, 2/29/24-8/15/34, with a value of \$11,220,000) TD Securities (USA) LLC (Dated 12/29/23, Repurchase Value \$3,002,000, collateralized by U.S. Treasury Note/Bond 0.250%-4.625%, 3/15/24-5/15/28, with a value of \$3,060,000)	5.340% 5.340% 5.350%	1/2/24	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11,000 11,000 3,000
Total Repurchase Agreements (Cost \$509,	000)			509,000
Total Investments (100.6%) (Cost \$1,224,2	35)			1,224,235
Other Assets and Liabilities – Net (-0.6%)				(6,967)
Net Assets (100%)				1,217,268
Cost is in \$000				

## Cost is in \$000.

- See Note A in Notes to Financial Statements.

  Represents annualized yield at date of purchase for discount securities, and coupon for coupon-bearing securities.

  Variable-rate security, rate shown is effective rate at period end. Certain variable-rate securities are not based on a published reference rate and spread but are determined by the issuer or agent based on current market conditions.

  3M—3-month.

  SOFR—Secured Overnight Financing Rate.

# Statement of Assets and Liabilities As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amount
Assets	
Investments in Securities, at Value	
Unaffiliated Issuers (Cost \$715,235)	715,235
Repurchase Agreements (Cost \$509,000)	509,000
Total Investments in Securities	1,224,235
Investment in Vanguard	41
Cash	1,423
Receivables for Accrued Income	2,178
Receivables for Capital Shares Issued	8,501
Total Assets	1,236,378
Liabilities	
Payables for Investment Securities Purchased	10,099
Payables for Capital Shares Redeemed	8,929
Payables to Vanguard	82
Total Liabilities	19,110
Net Assets	1,217,268
At December 31, 2023, net assets consisted of:	1 217226
Paid-in Capital	1,217,236
Total Distributable Earnings (Loss)	32
Net Assets	1,217,268
Net Assets	
Applicable to 1,216,836,783 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	1,217,268
Net Asset Value Per Share	\$1.00

## **Statement of Operations**

#### Year Ended December 31, 2023 (\$000) Investment Income Income Interest 62,340 Total Income 62,340 Expenses The Vanguard Group—Note B Investment Advisory Services 5 Management and Administrative 1,604 Marketing and Distribution 94 74 Custodian Fees Auditing Fees 31 Shareholders' Reports 30 Trustees' Fees and Expenses 1 Other Expenses 8 Total Expenses 1,847 **Expenses Paid Indirectly** (10) Net Expenses 1,837 Net Investment Income 60,503 Realized Net Gain (Loss) on Investment Securities Sold 32 Net Increase (Decrease) in Net Assets Resulting from Operations 60,535

## Statement of Changes in Net Assets

	Year Ended December 3	
	2023 (\$000)	2022 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	60,503	18,135
Realized Net Gain (Loss)	32	15
Net Increase (Decrease) in Net Assets Resulting from Operations	60,535	18,150
Distributions		
Total Distributions	(60,515)	(18,174)
Capital Share Transactions (at \$1.00 per share)		
Issued	344,390	368,640
Issued in Lieu of Cash Distributions	60,510	18,174
Redeemed	(404,634)	(275,627)
Net Increase (Decrease) from Capital Share Transactions	266	111,187
Total Increase (Decrease)	286	111,163
Net Assets		
Beginning of Period	1,216,982	1,105,819
End of Period	1.217.268	1.216.982

## Financial Highlights

For a Share Outstanding			Year	Ended Dece	mber 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Investment Operations					
Net Investment Income <sup>1</sup>	.0494	.0154	.0001	.005	.022
Net Realized and Unrealized Gain (Loss) on Investments	_	(.0004)	_	_	_
Total from Investment Operations	.0494	.0150	.0001	.005	.022
Distributions					
Dividends from Net Investment Income	(.0494)	(.0150)	(.0001)	(.005)	(.022)
Distributions from Realized Capital Gains	(.0000) <sup>2</sup>	$(.0000)^2$	_	_	_
Total Distributions	(.0494)	(.0150)	(.0001)	(.005)	(.022)
Net Asset Value, End of Period	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Total Return	5.05%	1.51%	0.02%	0.52%	2.26%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$1,217	\$1,217	\$1,106	\$1,301	\$1,243
Ratio of Expenses to Average Net Assets <sup>3</sup>	0.15%4	0.14%4	0.07%	0.15%	0.15%
Ratio of Net Investment Income to Average Net Assets	4.94%	1.54%	0.01%	0.49%	2.23%

Calculated based on average shares outstanding.

Distribution was less than \$0.0001 per share.

Vanguard and the board of trustees have agreed to temporarily limit certain net operating expenses in excess of the portfolio's daily yield in order to maintain a zero or positive yield for the portfolio. Vanguard and the board of trustees may terminate the temporary expense limitation at any time. The portfolio is not obligated to repay this amount to Vanguard. The ratio of total expenses to average net assets before an expense reduction was 0.15% for 2022, 0.15% for 2021 and 0.15% for 2020. For the years ended 2023 and 2019, there were no expense reductions.

The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.15% and 0.14%, respectively.

respectively.

## Notes to Financial Statements

The Money Market Portfolio, a portfolio of Vanguard Variable Insurance Funds, is registered under the Investment Company Act of 1940 as an open-end investment company. The portfolio's shares are only available for purchase by separate accounts of insurance companies as investments for variable annuity plans, variable life insurance contracts, or other variable benefit insurance contracts.

**A.** The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The portfolio consistently follows such policies in preparing its financial statements.

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Securities are valued at amortized cost, which approximates market value.
- 2. Repurchase Agreements: The portfolio enters into repurchase agreements with institutional counterparties. Securities pledged as collateral to the portfolio under repurchase agreements are held by a custodian bank until the agreements mature, and in the absence of a default, such collateral cannot be repledged, resold, or rehypothecated. Each agreement requires that the market value of the collateral be sufficient to cover payments of interest and principal. The portfolio further mitigates its counterparty risk by entering into repurchase agreements only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master repurchase agreements with its counterparties. The master repurchase agreements provide that, in the event of a counterparty's default (including bankruptcy), the portfolio may terminate any repurchase agreements with that counterparty, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the portfolio. Such action may be subject to legal proceedings, which may delay or limit the disposition of collateral.
- 3. Federal Income Taxes: The portfolio intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The portfolio's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the portfolio's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the portfolio's financial statements.
- 4. Distributions: Distributions from net investment income are declared daily and paid on the first business day of the following month. Annual distributions from realized capital gains, if any, are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 5. Credit Facilities and Interfund Lending Program: The portfolio and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the portfolio's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the portfolio's board of trustees and included in Management and Administrative expenses on the portfolio's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the portfolio and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the portfolio may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the portfolio's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the portfolio did not utilize the credit facilities or the Interfund Lending Program.

- 6. Other: Interest income is accrued daily. Premiums and discounts on debt securities are amortized and accreted, respectively, to interest income over the lives of the respective securities, except for premiums on certain callable debt securities that are amortized to the earliest call date. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.
- B. In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the portfolio, Vanguard furnishes to the portfolio investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the portfolio based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the portfolio may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the portfolio had contributed to Vanguard capital in the amount of \$41,000, representing less than 0.01% of the portfolio's net assets and 0.02% of Vanguard's capital received pursuant to the FSA. The portfolio's trustees and officers are also directors and employees, respectively, of Vanguard.

- C. The portfolio's custodian bank has agreed to reduce its fees when the portfolio maintains cash on deposit in the non-interest-bearing custody account. For the year ended December 31, 2023, custodian fee offset arrangements reduced the portfolio's expenses by \$10,000 (an annual rate of less than 0.01% of average net assets).
- D. Various inputs may be used to determine the value of the portfolio's investments. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.
- Level 1—Quoted prices in active markets for identical securities.
- Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).
- **Level 3**—Significant unobservable inputs (including the portfolio's own assumptions used to determine the fair value of investments). Any investments valued with significant unobservable inputs are noted on the Schedule of Investments.

At December 31, 2023, 100% of the market value of the portfolio's investments was determined using amortized cost, in accordance with rules under the Investment Company Act of 1940. Amortized cost approximates the current fair value of a security, but since the value is not obtained from a quoted price in an active market, securities valued at amortized cost are considered to be valued using Level 2 inputs.

E. Permanent differences between book-basis and tax-basis components of net assets, if any, are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share.

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences, if any, will reverse at some time in the future. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

	Amount (\$000)
Undistributed Ordinary Income	32
Undistributed Long-Term Gains	
Net Unrealized Gains (Losses)	
Capital Loss Carryforwards	
Qualified Late-Year Losses	
Other Temporary Differences	
Total	32

The tax character of distributions paid was as follows:

	Year Ended December 31,	
	2023 Amount (\$000)	2022 Amount (\$000)
Ordinary Income*	60,515	18,174
Long-Term Capital Gains	_	
Total	60,515	18,174
* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	1,224,235
Gross Unrealized Appreciation	_
Gross Unrealized Depreciation	_
Net Unrealized Appreciation (Depreciation)	_

F. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the portfolio's investments and portfolio performance.

To the extent the portfolio's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the portfolio may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

Credit risk is the risk that a counterparty to a transaction or an issuer of a financial instrument will fail to pay interest and principal when due, or that perceptions of the issuer's ability to make such payments will cause the price of an investment to decline. Investment in debt securities will generally increase credit risk.

At December 31, 2023, one shareholder (an insurance company separate account whose holdings in the portfolio represent the indirect investment of Vanguard Variable Annuity contract holders) was the record or beneficial owner of 88% of the portfolio's net assets. If this shareholder were to redeem its investment in the portfolio, the redemption might result in an increase in the portfolio's expense ratio, cause the portfolio to incur higher transaction costs, or lead to the realization of taxable capital gains.

**G.** Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

# Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Variable Insurance Funds and Shareholders of Money Market Portfolio

#### Opinion on the Financial Statements

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Money Market Portfolio (one of the portfolios constituting Vanguard Variable Insurance Funds, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

## Basis for Opinion

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 16, 2024

We have served as the auditor of one or more investment companies in The Vanguard Group of Funds since 1975.

## Tax information (unaudited)

The portfolio hereby designates \$34,033,000, or if subsequently determined to be different, the maximum amount allowable by law, of interest earned from obligations of the U.S. government which is generally exempt from state income tax.

The portfolio hereby designates 100.0%, or if subsequently determined to be different, the maximum percentage allowable by law, of ordinary income dividends eligible to be treated as interest income for purposes of Section 163(j) and the regulations thereunder for the fiscal year.

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## The People Who Govern Your Fund

The trustees of your mutual fund are there to see that the fund is operated and managed in your best interests since, as a shareholder, you are a part owner of the fund. Your fund's trustees also serve on the board of directors of The Vanguard Group, Inc., which is owned by the Vanguard funds and provides services to them.

A majority of Vanguard's board members are independent, meaning that they have no affiliation with Vanguard or the funds they oversee, apart from the sizable personal investments they have made as private individuals. The independent board members have distinguished backgrounds in business, academia, and public service. Each of the trustees and executive officers oversees 208 Vanguard funds

Information for each trustee and executive officer of the fund appears below. That information, as well as the Vanguard fund count, is as of the date on the cover of this fund report. The mailing address of the trustees and officers is P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the *Statement of Additional Information*, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at vanguard.com.

### Interested Trustee<sup>1</sup>

## Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chairman of the board (2019-present) of Vanguard and of each of the investment companies served by Vanguard; chief executive officer (2018-present) of Vanguard; chief executive officer, president, and trustee (2018-present) of each of the investment companies served by Vanguard; president and director (2017-present) of Vanguard; and president (2018-present) of Vanguard Marketing Corporation. Chief investment officer (2013-2017), managing director (2002-2017), head of the Retail Investor Group (2006-2012), and chief information officer (2001-2006) of Vanguard. Member of the board of governors of the Investment Company Institute and the board of governors of FINRA.

## Independent Trustees

## Tara Bunch

Born in 1962. Trustee since November 2021. Principal occupation(s) during the past five years and other experience: head of global operations at Airbnb (2020–present). Vice president of AppleCare (2012–2020). Member of the board of directors of Out & Equal, the advisory board of the University of California, Berkeley School of Engineering, and the advisory board of Santa Clara University's Leavey School of Business.

## Emerson U. Fullwood

Born in 1948. Trustee since January 2008. Principal occupation(s) during the past five years and other experience: executive chief staff and marketing officer for North America and corporate vice president (retired 2008) of Xerox Corporation (document management products and services). Former president of the Worldwide Channels Group, Latin America, and Worldwide Customer Service and executive chief staff officer of Developing Markets of Xerox. Executive in residence and 2009-2010 Distinguished Minett Professor at the Rochester Institute of Technology. Member of the board of directors of the University of Rochester Medical Center, the Monroe Community College Foundation, the United Way of Rochester, North Carolina A&T University, Roberts Wesleyan College, and the Rochester Philharmonic Orchestra. Trustee of the University of Rochester.

## F. Joseph Loughrey

Born in 1949. Trustee since October 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer

(retired 2009) and vice chairman of the board (2008–2009) of Cummins Inc. (industrial machinery). Director of the V Foundation. Member of the advisory council for the College of Arts and Letters at the University of Notre Dame. Chairman of the board of Saint Anselm College.

### Mark Loughridge

Born in 1953. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: senior vice president and chief financial officer (retired 2013) of IBM (information technology services). Fiduciary member of IBM's Retirement Plan Committee (2004–2013), senior vice president and general manager (2002–2004) of IBM Global Financing, vice president and controller (1998–2002) of IBM, and a variety of other prior management roles at IBM. Member of the Council on Chicago Booth.

## Scott C. Malpass

Born in 1962. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: co-founder and managing partner (2022–present) of Grafton Street Partners (investment advisory firm). Chief investment officer (retired 2020) and vice president (retired 2020) of the University of Notre Dame. Chair of the board of Catholic Investment Services, Inc. (investment advisors). Member of the board of superintendence of the Institute for the Works of Religion, the Notre Dame 403(b) Investment Committee, and the board of directors of Paxos Trust Company (finance).

## Deanna Mulligan

Born in 1963. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chief executive officer of Purposeful (advisory firm for CEOs and C-level executives; 2021–present). Board chair (2020), chief executive officer (2011–2020), and president (2010–2019) of The Guardian Life Insurance Company of America. Chief operating officer (2010–2011) and executive vice president (2008–2010) of Individual Life and Disability of the Guardian Life Insurance Company of America. Director of DuPont. Member of the board of the Economic Club of New York. Trustee of the Partnership for New York City (business leadership), Chief Executives for Corporate Purpose, and the NewYork-Presbyterian Hospital.

## André F. Perold

Born in 1952. Trustee since December 2004. Principal occupation(s) during the past five years and other experience: George Gund Professor of Finance and Banking, Emeritus at the Harvard Business School (retired 2011). Chief investment officer and partner of HighVista Strategies (private investment firm).

Member of the board of RIT Capital Partners (investment firm).

### Sarah Bloom Raskin

Born in 1961. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: deputy secretary (2014–2017) of the United States Department of the Treasury. Governor (2010–2014) of the Federal Reserve Board. Commissioner (2007–2010) of financial regulation for the State of Maryland. Colin W. Brown Distinguished Professor of the Practice of Law, Duke Law School (2021–present); Rubenstein Fellow, Duke University (2017–2020); Distinguished Fellow of the Global Financial Markets Center, Duke Law School (2020–2022); and Senior Fellow, Duke Center on Risk (2020–present). Partner of Kaya Partners (climate policy advisory services). Member of the board of directors of Arcadia (energy solution technology).

## **Grant Reid**

Born in 1959. Trustee since July 2023. Principal occupation(s) during the past five years and other experience: chief executive officer and president (2014–2022) and member of the board of directors (2015–2022) of Mars, Incorporated (multinational manufacturer). Member of the board of directors of Marriott International, Inc. Chair of Agribusiness Task Force, Sustainable Markets Initiative.

## **David Thomas**

Born in 1956. Trustee since July 2021. Principal occupation(s) during the past five years and other experience: president of Morehouse College (2018–present). Professor of business administration, emeritus at Harvard University (2017–2018). Dean (2011–2016) and professor of management (2016–2017) at the Georgetown University McDonough School of Business. Director of DTE Energy Company. Trustee of Common Fund.

## Peter F. Volanakis

Born in 1955. Trustee since July 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2010) of Corning Incorporated (communications equipment) and director of Corning Incorporated (2000–2010) and Dow Corning (2001–2010). Director (2012) of SPX Corporation (multi-industry manufacturing). Overseer of the Amos Tuck School of Business Administration, Dartmouth College (2001–2013). Member of the BMW Group Mobility Council.

#### **Executive Officers**

#### Jacqueline Angell

Born in 1974. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief compliance officer (November 2022–present) of Vanguard and of each of the investment companies served by Vanguard. Chief compliance officer (2018–2022) and deputy chief compliance officer (2017–2019) of State Street.

#### Christine M. Buchanan

Born in 1970. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief financial officer (2021–present) and treasurer (2017–2022) of each of the investment companies served by Vanguard. Partner (2005–2017) at KPMG (audit, tax, and advisory services).

#### John Galloway

Born in 1973. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Investment stewardship officer (September 2020–present) of each of the investment companies served by Vanguard. Head of Investor Advocacy (February 2020–present) and head of Marketing Strategy and Planning (2017–2020) at Vanguard. Special assistant to the President of the United States (2015).

#### Ashley Grim

Born in 1984. Principal occupation(s) during the past five years and other experience: treasurer (February 2022–present) of each of the investment companies served by Vanguard. Fund transfer agent controller (2019–2022) and director of Audit Services (2017–2019) at Vanguard. Senior manager (2015–2017) at PriceWaterhouseCoopers (audit and assurance, consulting, and tax services).

#### Jodi Miller

Born in 1980. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Finance director (2022–present) of each of the investment companies served by Vanguard. Head of Enterprise Investment Services (2020–present), head of Retail Client Services and Operations (2020–2022), and head of Retail Strategic Support (2018–2020) at Vanguard.

#### Anne F. Robinson

Born in 1970. Principal occupation(s) during the past five years and other experience: general counsel (2016–present) of Vanguard. Secretary (2016–present) of Vanguard and of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Managing director and general counsel of Global Cards and Consumer Services (2014–2016) at Citigroup. Counsel (2003–2014) at American Express. Nonexecutive director (2022–present) of the board of National Grid (energy).

#### Michael Rollings

Born in 1963. Principal occupation(s) during the past five years and other experience: finance director (2017–present) and treasurer (2017) of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Chief financial officer (2016–present) of Vanguard. Director (2016–present) of Vanguard Marketing Corporation. Executive vice president and chief financial officer (2006–2016) of MassMutual Financial Group.

#### Vanguard Senior Management Team

Matthew Benchener Joseph Brennan Mortimer J. Buckley Gregory Davis John James Chris D. McIsaac Thomas M. Rampulla Karin A. Risi Anne E. Robinson Michael Rollings Nitin Tandon Lauren Valente

# **Vanguard**

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This material may be used in conjunction with the offering of shares of any Vanguard fund only if preceded or accompanied by the fund's current prospectus.

All comparative mutual fund data are from Morningstar, Inc., unless otherwise noted.

You can obtain a free copy of Vanguard's proxy voting guidelines by visiting vanguard.com/proxyreporting or by calling Vanguard at 800-662-2739. The guidelines are also available from the SEC's website, www.sec.gov. In addition, you may obtain a free report on how your fund voted the proxies for securities it owned during the 12 months ended June 30. To get the report, visit either vanguard.com/proxyreporting or www.sec.gov.

You can review information about your fund on the SEC's website, and you can receive copies of this information, for a fee, by sending a request via email addressed to publicinfo@sec.gov.

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Annual Report | December 31, 2023

# Vanguard Variable Insurance Funds

Real Estate Index Portfolio

See the inside front cover for important information about your fund's annual and semiannual shareholder reports.

### Important information about shareholder reports

Beginning in July 2024, amendments adopted by the Securities and Exchange Commission will substantially impact the design, content, and transmission of shareholder reports. Shareholder reports will provide key fund information in a clear and concise format and must be mailed to each shareholder that has not elected to receive the reports electronically. Financial statements will no longer be included in the shareholder report but will be available at vanguard.com, can be mailed upon request, or can be accessed on the SEC's website at www.sec.gov.

You may elect to receive shareholder reports and other communications from the fund electronically by contacting your financial intermediary (such as a broker-dealer or bank) or, if you invest directly with the fund, by calling Vanguard at one of the phone numbers on the back cover of this report or by logging on to vanguard.com.

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## Your Portfolio's Performance at a Glance

- The financial markets delivered very robust returns for the 12 months ended December 31, 2023. The Real Estate Index Portfolio returned 11.70%. Its expense-free benchmark returned 11.96%.
- With inflation continuing to ease, a number of major central banks left off hiking interest rates. Global growth, employment, and consumer spending showed resilience, but the prospect of rates remaining high for an extended period spurred volatility at times. Toward year-end, however, global stocks and bonds rallied as falling inflation and softening economic growth raised market expectations for rate cuts in 2024.
- The prospect of falling rates boosted investor appetite for real estate, causing a double-digit spike in returns for the final months of the year. Among the subsectors contributing most to the 12-month results were data center REITs, industrial REITs, retail REITs, and real estate services.
- Please note that the portfolio's returns may be different from those in variable annuity products that invest in the portfolio, which take insurance-related expenses into account.

#### Market Barometer

	Average Annual Total Returns Periods Ended December 31, 2023		
	One Year	Three Years	Five Years
Stocks			
Russell 1000 Index (Large-caps)	26.53%	8.97%	15.52%
Russell 2000 Index (Small-caps)	16.93	2.22	9.97
Russell 3000 Index (Broad U.S. market)	25.96	8.54	15.16
FTSE All-World ex US Index (International)	15.82	1.98	7.52
Bonds			
Bloomberg U.S. Aggregate Float Adjusted Index (Broad taxable market)	5.60%	-3.33%	1.17%
Bloomberg Municipal Bond Index (Broad tax-exempt market)	6.40	-0.40	2.25
FTSE Three-Month U.S. Treasury Bill Index	5.26	2.24	1.91
CPI			
Consumer Price Index	3.35%	5.60%	4.07%

## About Your Portfolio's Expenses

As a shareholder of the portfolio, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a portfolio's gross income, directly reduce the investment return of the portfolio.

A portfolio's expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your portfolio and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your portfolio's costs in two ways:

• Based on actual portfolio return. This section helps you to estimate the actual expenses that you paid over the period. The "Ending Account Value" shown is derived from the portfolio's actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the portfolio. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your portfolio under the heading "Expenses Paid During Period."

• Based on hypothetical 5% yearly return. This section is intended to help you compare your portfolio's costs with those of other mutual funds. It assumes that the portfolio had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the portfolio's actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your portfolio's costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the portfolio for buying and selling securities. The portfolio's expense ratio does not reflect additional fees and expenses associated with the annuity or life insurance program through which you invest.

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the portfolio's expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your portfolio's current prospectus.

#### Six Months Ended December 31, 2023

Real Estate Index Portfolio	Beginning Account Value 6/30/2023	Ending Account Value 12/31/2023	Expenses Paid During Period
Based on Actual Portfolio Return	\$1,000.00	\$1,079.70	\$1.36
Based on Hypothetical 5% Yearly Return	1,000.00	1,023.89	1.33

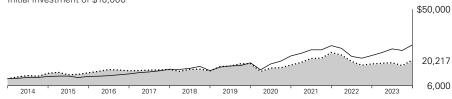
The calculations are based on expenses incurred in the most recent six-month period. The portfolio's annualized six-month expense ratio for that period is 0.26%. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (184/365).

### Real Estate Index Portfolio

## **Performance Summary**

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the portfolio. (Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance.) Note, too, that both investment returns and principal value can fluctuate widely, so an investor's shares, when sold, could be worth more or less than their original cost. The returns shown do not reflect taxes that a shareholder would pay on portfolio distributions or on the sale of portfolio shares. Nor do the returns reflect fees and expenses associated with the annuity or life insurance program through which a shareholder invests. If these fees and expenses were included, the portfolio's returns would be lower.

# Cumulative Performance: December 31, 2013, Through December 31, 2023 Initial Investment of \$10,000



#### Average Annual Total Returns Periods Ended December 31, 2023

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Real Estate Index Portfolio	11.70%	7.18%	7.29%	\$20,217
····· Real Estate Spliced Index	11.96	7.44	7.55	20,698
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

Real Estate Spliced Index: MSCI US REIT Index through January 18, 2018; MSCI US Investable Market Real Estate 25/50 Index thereafter.

## Portfolio Allocation

As of December 31, 2023

Data Center REITs	7.5%
Diversified Real Estate Activities	0.2
Diversified REITs	2.1
Health Care REITs	7.9
Hotel & Resort REITs	2.8
Industrial REITs	12.8
Multi-Family Residential REITs	8.4
Office REITs	4.7
Other Specialized REITs	6.3
Real Estate Development	0.3
Real Estate Operating Companies	0.3
Real Estate Services	7.0
Retail REITs	12.8
Self-Storage REITs	7.0
Single-Family Residential REITs	4.5
Telecom Tower REITs	12.9
Timber REITs	2.5

The table reflects the portfolio's investments, except for short-term investments and derivatives. Sector categories are based on the Global Industry Classification Standard ("GICS"), except for the "Other" category (if applicable), which includes securities that have not been provided a GICS classification as of the effective reporting period.

The portfolio may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

The Global Industry Classification Standard ("GICS") was developed by and is the exclusive property and a service mark of MSCI Inc. ("MSCI") and Standard and Poor's, a division of McGraw-Hill Companies, Inc. ("S&P"), and is licensed for use by Vanguard. Neither MSCI, S&P nor any third party involved in making or compiling the GICS or any GICS classification makes any express or implied warranties or representations with respect to such standard or classification (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any such standard or classification. Without limiting any of the foregoing, in no event shall MSCI, S&P, any of its affiliates or any third party involved in making or compiling the GICS or any GICS classification have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.

# **Financial Statements**

# Schedule of Investments

As of December 31, 2023

The portfolio files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The portfolio's Form N-PORT reports are available on the SEC's website at www.sec.gov.

		Market Value*			Market Value*
Equity Real Estate InvestmentTrusts (REITs) (91.4%)	Shares	(\$000)	Terreno Realty Corp.	Shares 68,717	(\$000) 4,307
			LXP Industrial Trust	239,902	2,380
Data Center REITs (7.4%)	00.000	E4 044	Innovative Industrial Properties Inc.	22,993	2,318
Equinix Inc. Digital Realty Trust Inc.	63,622	51,241	Plymouth Industrial REIT Inc.	32,676	787
Digital healty trust Inc.	247,855	33,356	Industrial Logistics Properties Trust	45,418	213
		84,597	•	-	145,264
Diversified REITs (2.1%)			Multi-Family Residential REITs (8.3%)		143,204
WP Carey Inc.	174,890	11,335	AvalonBay Communities Inc.	116,335	21,780
Essential Properties Realty Trust Inc.	127,930	3,270	Equity Residential	294,967	18,040
Broadstone Net Lease Inc.	153,552	2,644	Essex Property Trust Inc.	52,582	13,037
Global Net Lease Inc.	160,663	1,599	Mid-America Apartment Communities Inc.	95,410	12,829
Alexander & Baldwin Inc.	59,240	1,127	UDR Inc.	256,353	9,816
Empire State Realty Trust Inc. Class A	111,791	1,083	Camden Property Trust	87,469	8,685
American Assets Trust Inc.	39,839	897	Apartment Income REIT Corp.		,,,,,,
Armada Hoffler Properties Inc.	55,416	685	Class A	121,587	4,223
Gladstone Commercial Corp.	32,863	435	Independence Realty Trust Inc.	184,252	2,819
One Liberty Properties Inc.	14,176	310	Elme Communities	72,365	1,057
NexPoint Diversified Real Estate Trust	26,996	215	Veris Residential Inc.	60,738	955
Next office breastined fledi Estate flast	20,000		* Apartment Investment & Management Co.		
H H O BEIT (500/)		23,600	Class A	108,831	852
Health Care REITs (7.9%)	404 700		Centerspace	12,341	718
Welltower Inc.	424,790	38,303	NexPoint Residential Trust Inc.	18,933	652
Ventas Inc.	329,553	16,425			95,463
Healthpeak Properties Inc.	447,576	8,862	Office REITs (4.7%)		
Omega Healthcare Investors Inc.	200,754	6,155	Alexandria Real Estate Equities Inc.	134,510	17,052
Healthcare Realty Trust Inc. Class A	310,489	5,350	Boston Properties Inc.	121,850	8,550
Sabra Health Care REIT Inc.	189,576	2,705	Vornado Realty Trust	132,792	3,752
Physicians Realty Trust	195,508	2,703	Kilroy Realty Corp.	91,273	3,636
Medical Properties Trust Inc.	490,631	2,409	Cousins Properties Inc.	124,443	3,030
National Health Investors Inc.	35,590	1,988	SL Green Realty Corp.	52,793	2,385
CareTrust REIT Inc.	81,555	1,825	COPT Defense Properties	92,266	2,365
LTC Properties Inc.	33,813	1,086	Highwoods Properties Inc.	86,497	1,986
Global Medical REIT Inc.	50,782	564	Douglas Emmett Inc.	136,715	1,982
Community Healthcare Trust Inc.	20,671	551	Equity Commonwealth	89,904	1,726
Diversified Healthcare Trust	138,485	518	JBG SMITH Properties	80,556	1,370
Universal Health Realty Income Trust	10,661	461	Easterly Government Properties Inc.		
,	-	89,804	Class A	76,498	1,028
Hotel & Resort REITs (2.8%)		09,004	Hudson Pacific Properties Inc.	104,162	970
Host Hotels & Resorts Inc.	582,909	11,349	Brandywine Realty Trust	140,198	757
Ryman Hospitality Properties Inc.	46,508	5,119	Piedmont Office Realty Trust Inc. Class A	101,446	721
Apple Hospitality REIT Inc.	178,216	2,960	Paramount Group Inc.	133,678	691
Park Hotels & Resorts Inc.	176,886	2,706	Peakstone Realty Trust	29,498	588
Sunstone Hotel Investors Inc.	161,106	1,729	Office Properties Income Trust	40,122	294
DiamondRock Hospitality Co.	171,868	1,614	Orion Office REIT Inc.	44,884	257
Pebblebrook Hotel Trust	98,796	1,579	NET Lease Office Properties	11,801	218
RLJ Lodging Trust	129,119	1,513	City Office REIT Inc.	32,893	201
Xenia Hotels & Resorts Inc.	87,745	1,195	Franklin Street Properties Corp.	68,101	174
Service Properties Trust	134,979	1,153	Trainian Galact Fraparada asip.	-	
Summit Hotel Properties Inc.	87,436	587	OH O : I' I DEIT (0.00/)		53,733
Chatham Lodging Trust	39,660	425	Other Specialized REITs (6.2%)		
	-,	31,929	VICI Properties Inc. Class A	830,005	26,461
Industrial REITs (12.7%)		31,929	Iron Mountain Inc.	238,827	16,713
Prologis Inc.	756,476	100,838	Gaming & Leisure Properties Inc.	215,317	10,713
Rexford Industrial Realty Inc.	168,739	9,466	Lamar Advertising Co.	210,017	10,020
EastGroup Properties Inc.	37,219	6,831	Class A	71,721	7,623
Americold Realty Trust Inc.	220,709	6,681	EPR Properties	61,761	2,992
STAG Industrial Inc.	146,628	5,757	Four Corners Property Trust Inc.	74,259	1,879
First Industrial Realty Trust Inc.	107,960	5,686	Outfront Media Inc.	121,803	1,700
	. 5 .,000	2,300		•	

Uniti Group Inc. Safehold Inc. Simon Property Group Inc. Restil REITs (12.7%) Simon Property Group Inc. Selty Income Corp. Safehy Income Corp. Safeh		Q.	Market Value*
Safehold Inc.         37,963         888           Farmland Partners Inc.         38,037         475           Gladstone Land Corp.         28,267         406           70,891         70,891           Retail REITs (12,7%)         580,431         33,328           Simon Property Group Inc.         580,431         33,328           Kimco Realty Lorp.         507,146         10,807           Regency Centers Corp.         135,806         90,998           NNN REIT Inc.         149,532         6,445           Federal Realty Investment Trust         59,882         6,171           Brixmor Property Group Inc.         246,264         5,73           Spirit Realty Capital Inc.         115,809         5,066           Agree Realty Corp.         78,924         4,968           Kite Realty Corpu Trust         179,874         4,112           Phillips Edison & Co. Inc.         96,252         3,511           Macerich Co.         176,497         2,723           Tanger Inc.         86,243         2,391           SITE Centers Corp.         154,428         2,102           Urban Edge Properties         96,454         1,768           Retail Opportunity Investments Corp.         102,987			(\$000)
Farmland Partners Inc.	·		
Retail REITs (12.7%)   Simon Property Group Inc.   267.893   38.212     Realty Income Corp.   580.431   33.325     Realty Income Corp.   580.431   33.325     Realty Income Corp.   597.146   10.800     Regency Centers Corp.   135.806   9.095     NNN REIT Inc.   149.532   6.445     Federal Realty Investment Trust   59.882   6.175     Brixmor Property Group Inc.   246,264   5.730     Spirit Realty Capital Inc.   115.809   5.060     Agree Realty Corp.   78.924   4,965     Kite Realty Group Trust   179.874   4,112     Phillips Edison & Co. Inc.   96,252   3,511     Macerich Co.   176.497   2,722     Tanger Inc.   86,243   2,391     SITE Centers Corp.   154,428   2,105     Urban Edge Properties   96,454   1,768     Retail Opportunity Investments Corp.   102,997   1,445     InvenTrust Properties Corp.   55,245   1,400     Acadia Realty Trust   78,388   1,332     Getty Realty Corp.   54,940   981     RETSTREIT Corp.   54,940   981     RETSTREIT Corp.   54,940   981     RETSTREIT Corp.   54,940   981     RET Realty   70,282   902     Whitestone REIT   38,581   470     Saul Centers Inc.   1,914   400     CBL & Associates Properties Inc.   1,914   400     CBL & Associat			
Retail REITs (12.7%)   Simon Property Group Inc.   267,893   38,212   33,322   32,217   33,322   34,932   34,			
Retail REITs (12.7%) Simon Property Group Inc. Realty Income Corp. Sean Market Sean Carlot	diadstone Land Corp.	20,207	
Realty Income Corp.	Retail REITs (12.7%)		
Kimoo Realty Corp. Regency Centers Corp. Regency Centers Corp. 135,806 9,095 NNN REIT Inc. 144,9532 6,444 Federal Realty Investment Trust 159,882 6,171 Brixmor Property Group Inc. 246,264 5,733 Spirit Realty Capital Inc. 115,809 5,066 Agree Realty Corp. Kite Realty Corp. Kite Realty Group Trust 179,874 4,112 Phillips Edison & Co. Inc. 96,252 Macerich Co. 176,497 2,723 Macerich Co. 186,243 2,391 144,910 Macerich Co. 186,243 2,391 145,163 Macerich Co. 196,254 145,163 Macerich Co. 196,254 145,163 Macerich Co. 197,244 145,163 Macerich Co. 198,240 198	· · ·		38,212
Regency Centers Corp.  NNN REIT Inc.  149,532 6,444 Federal Realty Investment Trust Fixmor Property Group Inc.  246,264 5,730 Spirit Realty Capital Inc. 115,809 5,066 Agree Realty Corp. 78,824 4,966 Kite Realty Group Trust Phillips Edison & Co. Inc. Macerich Co. 176,497 2,723 Invention Edison & Co. Inc. 86,252 3,511 Macerich Co. 176,497 2,723 Invention Edge Properties 96,454 1,766 Retail Opportunity Investments Corp. 102,987 1,444 1,766 Retail Opportunity Investments Corp. 102,987 1,447 1,761 Retail Opportunity Investments Corp. 104,947 1,448 1,332 Getty Realty Corp. 39,335 1,148 1,332 Getty Realty Corp. 39,335 1,148 RETSTREIT Corp. 84,940 981 RPT Realty 70,282 902 Whitestone REIT 38,551 Saul Centers Inc. 10,668 415 Alexander's Inc. 10,668 415 Alexander's Inc. 10,668 Alexander's Inc. 11,914 400  CBL & Associates Properties Inc. 19,144 400  Self-Storage REITs (6.9%) Public Storage Extra Space Storage Inc. 172,986 27,735 National Storage Affiliates Trust 183,752 8,517 National Storage Affiliates Trust 183,752 Single-Family Residential REITs (4.5%) Invitation Homes Inc. 500,871 National Storage Affiliates Trust Class A UMH Properties Inc. 42,040  Equity LifeStyle Properties Inc. 50,859 775  Telecom Tower REITs (12.8%) American Homes 4 Rent Class A UMH Properties Inc. 50,859 775 Telecom Tower REITs (12.8%) American Tower Corp. Crown Castle Inc. SBA Communications Corp. Class A  88,742 22,513  Timber REITs (2.4%) Weyerhaeuser Co. 89,8141 20,807 Rayonier Inc. 115,486 3,856 145,815 14	· ·		33,328
NNN RÉIT Inc.	· · ·		
Federal Realty Investment Trust   59,882   6,171			
Brixmor Property Group Inc. Spirit Realty Capital Inc. Agree Realty Corp. Kite Realty Corp. Kite Realty Group Trust Phillips Edison & Co. Inc. Macerich Co. Tanger Inc. SiTE Centers Corp. Urban Edge Properties Retail Opportunity Investments Corp. InvenTrust Properties Corp. Acadia Realty Trust Getty Realty Corp.  Acadia Realty Trust Alexander's Inc. Alexander's Inc. Alexander's Inc. Alexander's Inc. Alexander's Inc. Alexander's Inc. Cube Smart National Storage Affiliates Trust Class A UMH Properties Inc. Single-Family Residential REITs (4.5%) Invier REITs (2.4%) Weyerhaeuser Co. Rayonier Inc. Brix Ages Ages Ages Ages Ages Ages Ages Ages			
Spirit Reality Capital Inc.	,		
Agree Realty Corp.  Kite Realty Group Trust Phillips Edison & Co. Inc. Phillips Edison & Co. Inc. Phillips Edison & Co. Inc. Macerich Co. Tanger Inc. SITE Centers Corp. Urban Edge Properties Retail Opportunity Investments Corp. InvenTrust Properties Corp. Acadia Realty Trust Getty Realty Corp. SITE Centers Corp. Urban Edge Properties Retail Opportunity Investments Corp. InvenTrust Properties Corp. Acadia Realty Trust Acadia Realty Torp. NETSTREIT Corp. RPT Realty Whitestone REIT Saul Centers Inc. Alexander's Inc. CBL & Associates Properties Inc. Alexander's Inc. CBL & Associates Properties Inc. Acadia Realty (6.9%) Public Storage Extra Space Storage Inc. CubeSmart National Storage Affiliates Trust Acadia Realty Residential REITs (4.5%) Invitation Homes Inc. American Homes A Rent Class A UMH Properties Inc. American Homes 4 Rent Class A UMH Properties Inc. American Tower Corp. Crown Castle Inc. SBA Communications Corp. Class A Ba,742 Class A Ba,742 Class A Ba,742 Class A C			
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Phillips Edison & Co. Inc.  Macerich Co. Tanger Inc. SITE Centers Corp. Urban Edge Properties Retail Opportunity Investments Corp. Inventrust Properties Corp. Acadia Realty Trust Getty Realty Corp. SITE Corp. Sala Corp. Class A Sala Corp. Sala Corp. Class A Sala Corp. Class A Sala Corp. Sala Corp. Sala Corp. Class A Sala Corp. Sala Corp. Class A Sala Corp. Sala			
Macerich Co.       176,497       2,723         Tanger Inc.       86,243       2,391         SITE Centers Corp.       154,428       2,1016         Urban Edge Properties       96,454       1,766         Retail Opportunity Investments Corp.       102,987       1,445         InvenTrust Properties Corp.       55,245       1,400         Acadia Realty Trust       78,388       1,333         Getty Realty Corp.       39,335       1,145         NETSTREIT Corp.       54,940       981         RPT Realty       70,282       902         Whitestone REIT       38,581       47*         Sall Centers Inc.       10,668       415         Alexander's Inc.       1,914       405         Alexander's Inc.       1,914       405         Call & Associates Properties Inc.       1,914       405         Alexander's Inc.       19,212       225         Spirit MTA REIT       42,040       —         **2 Spirit MTA REIT       42,040       —         **2 Spirit MTA REIT       129,590       39,525         Extra Space Storage Inc.       172,986       27,735         CubeSmart       183,752       8,517         National	, ,		
Tanger Inc.  SITE Centers Corp.  SITE Centers Corp.  Urban Edge Properties  Retail Opportunity Investments Corp.  InvenTrust Properties Corp.  Acadia Realty Trust  Fernal State Corp.  Acadia Realty Trust  Getty Realty Corp.  Acadia Realty Corp.  Acadia Realty Trust  Getty Realty Corp.  Acadia Realty Corp.  Acadia Realty Trust  Getty Realty Corp.  Acadia Realty Corp.  Acadia Realty Trust  Getty Realty Corp.  Acadia Realty Trust  Acadia Realty Trust  Topic State Corp.  Acadia Realty Trust  Alexander's Inc.  Alexander's Inc.  Alexander's Inc.  CBL & Associates Properties Inc.  Alexander's Inc.  CBL & Associates Properties Inc.  Alexander's Inc.  CBL & Associates Properties Inc.  Acadia Realty  Topic State  Talexander's Inc.  CubeSmart  National Storage Affiliates Trust  Acadia Realty  Acadia Realty  Topic State  Talexander's Inc.  Single-Family Residential ReITs (4.5%)  Invitation Homes Inc.  Sun Communities Inc.  Sun Communities Inc.  Equity LifeStyle Properties Inc.  American Homes 4 Rent  Class A  UMH Properties Inc.  Topic State  Telecom Tower ReITs (12.8%)  American Tower Corp.  Crown Castle Inc.  SBA Communications Corp.  Class A  Baryanier Inc.  SBA Communications Corp.  Class A  Baryanier Inc.  Timber ReITs (2.4%)  Weyerhaeuser Co.  Rayonier Inc.  PotlatchDeltic Corp.  57,882  57,883			
SITÉ Centers Corp.			
Urban Edge Properties       96,454       1,765         Retail Opportunity Investments Corp.       102,987       1,445         InvenTrust Properties Corp.       55,245       1,406         Acadia Realty Trust       78,388       1,332         Getty Realty Corp.       39,335       1,145         NETSTREIT Corp.       54,940       981         RPT Realty       70,282       902         Whitestone REIT       38,581       47         Saul Centers Inc.       10,668       415         Alexander's Inc.       1,914       405         CBL & Associates Properties Inc.       9,212       225         **2 Spirit MTA REIT       42,040       —         **145,163       **3       **5         **2 Spirit MTA REIT       42,040       —         **145,163       ***       ***         **2 Spirit MTA REIT       ***       ***       ***         **3 Spirit MTA REIT	•		
Retail Opportunity Investments Corp.	·		,
InvenTrust Properties Corp.   55,245   1,400			
Acadia Realty Trust Getty Realty Corp. 39,335 39,335 1,145 NETSTREIT Corp. 84,940 881 RPT Realty 70,282 902 Whitestone REIT 38,581 Are Saul Centers Inc. Alexander's Inc. CEL & Associates Properties Inc. 25, Spirit MTA REIT  Self-Storage REITs (6.9%) Public Storage Extra Space Storage Inc. CubeSmart National Storage Affiliates Trust  Single-Family Residential REITs (4.5%) Invitation Homes Inc. Sun Communities Inc. Equity LifeStyle Properties Inc. American Homes 4 Rent Class A UMH Properties Inc. SBA Communications Corp. Class A  Refile (12.8%) American Tower Corp. Crown Castle Inc. SBA Communications Corp. Class A  Weyerhaeuser Co. Rayonier Inc. PotlatchDeltic Corp.  65,515 3,217  27,882  27,882			1,400
Getty Realty Corp.       39,335       1,149         NETSTREIT Corp.       54,940       981         RPT Realty       70,282       902         Whitestone REIT       38,581       47         Saul Centers Inc.       10,668       415         Alexander's Inc.       1,914       400         CBL & Associates Properties Inc.       9,212       225         **2 Spirit MTA REIT       42,040       —         145,163         Self-Storage REITs (6.9%)         Public Storage       129,590       39,525         Extra Space Storage Inc.       172,986       27,738         Cubes Mart       183,752       8,517         National Storage Affiliates Trust       69,516       2,883         **Single-Family Residential REITs (4.5%)       10,816       13,607         Invitation Homes Inc.       500,871       17,086         Sun Communities Inc.       101,816       13,607         Equity LifeStyle Properties Inc.       145,080       10,234         American Homes 4 Rent       265,955       9,564         UMH Properties Inc.       50,859       775         **Telecom Tower REITs (12.8%)       381,707       82,403         **Sha Co	·		1,332
RPT Realty Whitestone REIT Saul Centers Inc. Alexander's Inc. CBL & Associates Properties Inc			1,149
Whitestone REIT       38,581       47/2         Saul Centers Inc.       10,668       415         Alexander's Inc.       1,914       405         CBL & Associates Properties Inc.       9,212       225         *-2 Spirit MTA REIT       42,040       —         145,163         Self-Storage REITs (6.9%)         Public Storage       129,590       39,525         Extra Space Storage Inc.       172,986       27,735         CubeSmart       183,752       8,517         National Storage Affiliates Trust       69,516       2,883         78,660       78,660         Single-Family Residential REITs (4.5%)         Invitation Homes Inc.       500,871       17,085         Sun Communities Inc.       101,816       13,607         Equity LifeStyle Properties Inc.       145,080       10,232         American Homes 4 Rent       265,955       9,564         UMH Properties Inc.       50,859       775         TelecomTower REITs (12.8%)         American Tower Corp.       355,093       40,903         SBA Communications Corp.       355,093       40,903         SBA Communications Corp.       48,742       22,513			981
Saul Centers Inc.       10,668       415         Alexander's Inc.       1,914       405         CBL & Associates Properties Inc.       9,212       225         *-2 Spirit MTA REIT       42,040       —         145,163         Self-Storage REITs (6.9%)         Public Storage       129,590       39,525         Extra Space Storage Inc.       172,986       27,735         CubeSmart       183,752       8,517         National Storage Affiliates Trust       69,516       2,835         78,660         Single-Family Residential REITs (4.5%)         Invitation Homes Inc.       500,871       17,085         Sun Communities Inc.       101,816       13,607         Equity LifeStyle Properties Inc.       145,080       10,232         American Homes 4 Rent       265,955       9,562         UMH Properties Inc.       50,859       775         Telecom Tower REITs (12.8%)         American Tower Corp.       381,707       82,403         Crown Castle Inc.       355,093       40,903         SBA Communications Corp.       22,513         Class A       88,742       22,513	RPT Realty	70,282	902
Alexander's Inc. CBL & Associates Properties Inc. CBL & Associates	Whitestone REIT	38,581	474
CBL & Associates Properties Inc. 9,212 225 **.2 Spirit MTA REIT 42,040 —  145,163  Self-Storage REITs (6.9%) Public Storage 129,590 39,525 Extra Space Storage Inc. 172,986 27,735 CubeSmart 183,752 8,517 National Storage Affiliates Trust 69,516 2,883  Take Single-Family Residential REITs (4.5%) Invitation Homes Inc. 500,871 17,085 Sun Communities Inc. 101,816 13,607 Equity LifeStyle Properties Inc. 145,080 10,234 American Homes 4 Rent Class A 265,955 9,564 UMH Properties Inc. 50,859 775  Telecom Tower REITs (12.8%) American Tower Corp. 381,707 82,403 Crown Castle Inc. 355,093 40,903 SBA Communications Corp. 381,707 82,403 SBA Communications Corp. 381,707 82,403 Timber REITs (2.4%) Weyerhaeuser Co. 598,414 20,807 Rayonier Inc. 115,486 3,858 PotlatchDeltic Corp. 65,515 3,217	Saul Centers Inc.	10,668	419
*.2 Spirit MTA REIT 42,040 ——  145,163  Self-Storage REITs (6.9%) Public Storage 129,590 39,525 Extra Space Storage Inc. 172,986 27,735 CubeSmart 183,752 8,517 National Storage Affiliates Trust 69,516 2,883  78,660  Single-Family Residential REITs (4.5%) Invitation Homes Inc. 500,871 17,085 Sun Communities Inc. 101,816 13,607 Equity LifeStyle Properties Inc. 145,080 10,234 American Homes 4 Rent Class A 265,955 9,564 UMH Properties Inc. 50,859 775  Telecom Tower REITs (12.8%) American Tower Corp. 381,707 82,403 Crown Castle Inc. 355,093 40,903 SBA Communications Corp. 28,740 Class A 88,742 22,513  Timber REITs (2.4%) Weyerhaeuser Co. 598,414 20,807 Rayonier Inc. 115,486 3,858 PotlatchDeltic Corp. 65,515 3,217	Alexander's Inc.	1,914	409
Self-Storage REITs (6.9%)   Public Storage   129,590   39,525   27,735   27,735   27,835   39,525	CBL & Associates Properties Inc.	9,212	225
Self-Storage REITs (6.9%)         Public Storage       129,590       39,525         Extra Space Storage Inc.       172,986       27,735         CubeSmart       183,752       8,517         National Storage Affiliates Trust       69,516       2,883         78,660         Single-Family Residential REITs (4.5%)         Invitation Homes Inc.       500,871       17,08         Sun Communities Inc.       101,816       13,607         Equity LifeStyle Properties Inc.       145,080       10,234         American Homes 4 Rent       265,955       9,564         Class A       265,955       9,564         UMH Properties Inc.       50,859       775         Telecom Tower REITs (12.8%)         American Tower Corp.       381,707       82,403         Crown Castle Inc.       355,093       40,903         SBA Communications Corp.         Class A       88,742       22,513         Timber REITs (2.4%)         Weyerhaeuser Co.       598,414       20,807         Weyerhaeuser Co.       598,414       20,807         Nationali	*,2 Spirit MTA REIT	42,040	
Public Storage       129,590       39,525         Extra Space Storage Inc.       172,986       27,735         CubeSmart       183,752       8,517         National Storage Affiliates Trust       69,516       2,883         78,660         Single-Family Residential REITs (4.5%)         Invitation Homes Inc.       500,871       17,085         Sun Communities Inc.       101,816       13,607         Equity LifeStyle Properties Inc.       145,080       10,234         American Homes 4 Rent       265,955       9,564         Class A       265,955       9,564         UMH Properties Inc.       50,859       775         Telecom Tower REITs (12.8%)         American Tower Corp.       381,707       82,403         Crown Castle Inc.       355,093       40,903         SBA Communications Corp.       388,742       22,513         Timber REITs (2.4%)       40,807         Weyerhaeuser Co.       598,414       20,807         Rayonier Inc.       115,486       3,858         PotlatchDeltic Corp.       65,515       3,217         27,882	Self-Storage REITs (6.9%)		145,163
Extra Space Storage Inc. CubeSmart National Storage Affiliates Trust  Single-Family Residential REITs (4.5%) Invitation Homes Inc. Sun Communities Inc. Equity LifeStyle Properties Inc. American Homes 4 Rent Class A UMH Properties Inc.  Telecom Tower REITs (12.8%) American Tower Corp. Crown Castle Inc. SBA Communications Corp. Class A  Weyerhaeuser Co. Rayonier Inc. PotlatchDeltic Corp.  PotlatchDeltic Corp.  172,986 27,735 8,517 8,517 8,517 80,51	•	129 590	39 525
CubeSmart       183,752       8,517         National Storage Affiliates Trust       69,516       2,883         78,660         Single-Family Residential REITs (4.5%)       300,871       17,085         Invitation Homes Inc.       500,871       17,085         Sun Communities Inc.       101,816       13,607         Equity LifeStyle Properties Inc.       145,080       10,234         American Homes 4 Rent Class A       265,955       9,564         UMH Properties Inc.       50,859       775         TelecomTower REITs (12.8%)       381,707       82,403         American Tower Corp.       381,707       82,403         Crown Castle Inc.       355,093       40,903         SBA Communications Corp.       88,742       22,513         Timber REITs (2.4%)       40,807       145,815         Weyerhaeuser Co.       598,414       20,807         Rayonier Inc.       115,486       3,858         PotlatchDeltic Corp.       65,515       3,217         27,882	<u> </u>		
National Storage Affiliates Trust       69,516       2,883         78,660         Single-Family Residential REITs (4.5%)         Invitation Homes Inc.       500,871       17,085         Sun Communities Inc.       101,816       13,607         Equity LifeStyle Properties Inc.       145,080       10,234         American Homes 4 Rent       265,955       9,564         UMH Properties Inc.       50,859       775         TelecomTower REITs (12.8%)         American Tower Corp.       381,707       82,403         Crown Castle Inc.       355,093       40,903         SBA Communications Corp.       388,742       22,513         Timber REITs (2.4%)       40,807       145,815         Weyerhaeuser Co.       598,414       20,807         Rayonier Inc.       115,486       3,858         PotlatchDeltic Corp.       65,515       3,217         27,882			
Single-Family Residential REITs (4.5%)         Invitation Homes Inc.       500,871       17,085         Sun Communities Inc.       101,816       13,607         Equity LifeStyle Properties Inc.       145,080       10,234         American Homes 4 Rent       265,955       9,564         Class A       265,955       9,564         UMH Properties Inc.       50,859       775         TelecomTower REITs (12.8%)       381,707       82,403         American Tower Corp.       381,707       82,403         Crown Castle Inc.       355,093       40,903         SBA Communications Corp.       22,513         Class A       88,742       22,513         Timber REITs (2.4%)       3,858         Weyerhaeuser Co.       598,414       20,807         Rayonier Inc.       115,486       3,858         PotlatchDeltic Corp.       65,515       3,217         27,882			2,883
Invitation Homes Inc.   500,871   17,085   Sun Communities Inc.   101,816   13,607   Equity LifeStyle Properties Inc.   145,080   10,234   American Homes 4 Rent Class A   265,955   9,564   UMH Properties Inc.   50,859   775			78,660
Sun Communities Inc.       101,816       13,607         Equity LifeStyle Properties Inc.       145,080       10,234         American Homes 4 Rent Class A       265,955       9,564         UMH Properties Inc.       50,859       775         51,265         Telecom Tower REITs (12.8%)         American Tower Corp.       381,707       82,403         Crown Castle Inc.       355,093       40,903         SBA Communications Corp.       22,513         Class A       88,742       22,513         Timber REITs (2.4%)         Weyerhaeuser Co.       598,414       20,807         Rayonier Inc.       115,486       3,858         PotlatchDeltic Corp.       65,515       3,217         27,882	•	F00 071	17005
Equity LifeStyle Properties Inc.  American Homes 4 Rent Class A  UMH Properties Inc.  50,859  775  51,268  Telecom Tower REITs (12.8%)  American Tower Corp. Crown Castle Inc.  SBA Communications Corp. Class A  Weyerhaeuser Co. Rayonier Inc.  PotlatchDeltic Corp.  145,080  10,232  265,955  9,562  51,268  51,26			
American Homes 4 Rent Class A  UMH Properties Inc.  50,859  775  51,269  Telecom Tower REITs (12.8%)  American Tower Corp. Crown Castle Inc.  355,093  40,903  SBA Communications Corp. Class A  88,742  22,513  145,819  Timber REITs (2.4%)  Weyerhaeuser Co. Rayonier Inc. PotlatchDeltic Corp.  65,515  3,217  27,882			
Class A       265,955       9,564         UMH Properties Inc.       50,859       775         51,268         Telecom Tower REITs (12.8%)         American Tower Corp.       381,707       82,403         Crown Castle Inc.       355,093       40,903         SBA Communications Corp.       88,742       22,513         Class A       88,742       22,513         145,818         Timber REITs (2.4%)         Weyerhaeuser Co.       598,414       20,807         Rayonier Inc.       115,486       3,858         PotlatchDeltic Corp.       65,515       3,217         27,882		145,080	10,234
UMH Properties Inc. 50,859 775  51,269  Telecom Tower REITs (12.8%)  American Tower Corp. 381,707 82,403  Crown Castle Inc. 355,093 40,903  SBA Communications Corp. Class A 88,742 22,513  145,819  Timber REITs (2.4%)  Weyerhaeuser Co. 598,414 20,807  Rayonier Inc. 115,486 3,858  PotlatchDeltic Corp. 65,515 3,217  27,882		265 955	9 564
Telecom Tower REITs (12.8%)  American Tower Corp. Crown Castle Inc. SBA Communications Corp. Class A  Timber REITs (2.4%) Weyerhaeuser Co. Rayonier Inc. Potlatch Deltic Corp.  251,269 381,707 381,707 382,403 40,9	1.112		
Telecom Tower REITs (12.8%)         American Tower Corp.       381,707       82,403         Crown Castle Inc.       355,093       40,903         SBA Communications Corp.       88,742       22,513         Class A       145,815         Timber REITs (2.4%)         Weyerhaeuser Co.       598,414       20,807         Rayonier Inc.       115,486       3,856         PotlatchDeltic Corp.       65,515       3,217         27,882	SWITT TOPOTIOS INC.		
Crown Castle Inc.       355,093       40,903         SBA Communications Corp.       22,513         Class A       88,742       22,513         145,818         Timber REITs (2.4%)       598,414       20,807         Rayonier Inc.       115,486       3,858         PotlatchDeltic Corp.       65,515       3,217         27,882	Telecom Tower REITs (12.8%)		01,200
SBA Communications Corp. Class A  88,742  22,513  145,818  Timber REITs (2.4%)  Weyerhaeuser Co.  Rayonier Inc.  PotlatchDeltic Corp.  88,742  22,513  145,818  20,807  3,858  3,858  3,217  27,882	American Tower Corp.	381,707	82,403
Class A       88,742       22,513         145,818         Timber REITs (2.4%)       Secondary of the color of the col	Crown Castle Inc.	355,093	40,903
Timber REITs (2.4%)  Weyerhaeuser Co. 598,414 20,807  Rayonier Inc. 115,486 3,858  PotlatchDeltic Corp. 65,515 3,217  27,882			
Timber REITs (2.4%)       598,414       20,807         Weyerhaeuser Co.       598,414       20,807         Rayonier Inc.       115,486       3,858         PotlatchDeltic Corp.       65,515       3,217         27,882	Class A	88,742	22,513
Weyerhaeuser Co.       598,414       20,807         Rayonier Inc.       115,486       3,858         PotlatchDeltic Corp.       65,515       3,217         27,882	Timber REITs (2.4%)		145,819
Rayonier Inc.       115,486       3,858         PotlatchDeltic Corp.       65,515       3,217         27,882	, ,	598.414	20,807
PotlatchDeltic Corp.         65,515         3,217           27,882	•		3,858
27,882	•		3,217
Total Equity Real Estate Investment Trusts (REITs) (Cost \$1,113,958) 1,044,074			27,882
	Total Equity Real Estate InvestmentTrusts (REITs	) (Cost \$1,113,958)	1,044,074

		Market Value•
	Shares	(\$000)
Real Estate Management & Development (7.7%)		
Diversified Real Estate Activities (0.2%)	00.000	4 700
St. Joe Co. RMR Group Inc.	28,682	1,726
Class A	12,783	361
		2,087
Real Estate Development (0.3%)		_,
* Howard Hughes Holdings Inc.	28,714	2,457
* Forestar Group Inc.	16,250	537
		2,994
Real Estate Operating Companies (0.3%) DigitalBridge Group Inc.	100.000	2 220
Ennedy-Wilson Holdings Inc.	133,362 91,056	2,339 1,127
* Seritage Growth Properties	91,050	1,127
Class A	30,385	284
		3,750
Real Estate Services (6.9%)		
* CoStar Group Inc. * CBRE Group Inc.	334,312	29,216
Class A	253,590	23,607
* Jones Lang LaSalle Inc.	39,031	7,372
* Zillow Group Inc.	,	
Class C	125,460	7,259
* Zillow Group Inc. Class A	46,143	2,617
* Opendoor Technologies Inc.	432,405	1,937
* Cushman & Wakefield plc	129,888	1,403
Newmark Group Inc.		
Class A	118,743	1,301
* Compass Inc. Class A	286,677	1,078
eXp World Holdings Inc.	63,296	982
* Redfin Corp.	93,476	965
Marcus & Millichap Inc.	20,610	900
* Anywhere Real Estate Inc.	80,778	655
* Offerpad Solutions Inc.	7,866	81
* Doma Holdings Inc.	4,357	20
		79,393
Total Real Estate Management & Development (Cos	t \$104,517)	88,224
Temporary Cash Investments (0.6%)		
Money Market Fund (0.6%)		
3.4 Vanguard Market Liquidity Fund, 5.435% (Cost \$6,927)	69,280	6,926
Total Investments (99.7%) (Cost \$1,225,402)		1,139,224
Other Assets and Liabilities – Net (0.3%)		3,459
Net Assets (100%)		1,142,683
		.,142,000
Cost is in \$000.		

- See Note A in Notes to Financial Statements.
- \* Non-income-producing security.
- Includes partial security positions on loan to broker-dealers. The total value of securities on loan is less than \$1,000.
- Security value determined using significant unobservable inputs.
   Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.
- REIT—Real Estate Investment Trust.

## Derivative Financial Instruments Outstanding as of Period End

#### Futures Contracts

				(\$000)
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)
Long Futures Contracts				
Dow Jones U.S. Real Estate Index	March 2024	3	107	7

### Over-the-Counter Total Return Swaps

				Floating Interest		
				Rate	Value and	Value and
			Notional	Received	Unrealized	Unrealized
	Termination		Amount	(Paid) <sup>1</sup>	Appreciation	(Depreciation)
Reference Entity	Date	Counterparty	(\$000)	(%)	(\$000)	(\$000)
Equinix Inc.	8/30/24	BANA	10,595	(5.432)	_	(114)

<sup>1</sup> Based on USD Overnight Bank Funding Rate as of the most recent reset date. Floating interest payment received/paid monthly. BANA—Bank of America, N.A.

# Statement of Assets and Liabilities As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amount
Assets	
Investments in Securities, at Value <sup>1</sup>	
Unaffiliated Issuers (Cost \$1,218,475)	1,132,298
Affiliated Issuers (Cost \$6,927)	6,926
Total Investments in Securities	1,139,224
Investment in Vanguard	35
Cash	10
Cash Collateral Pledged—Futures Contracts	12
Receivables for Accrued Income	5,178
Receivables for Capital Shares Issued	151
Total Assets	1,144,610
Liabilities	
Payables for Investment Securities Purchased	1,123
Collateral for Securities on Loan	_
Payables for Capital Shares Redeemed	559
Payables to Vanguard	130
Variation Margin Payable—Futures Contracts	1
Unrealized Depreciation—Over-the-Counter Swap Contracts	114
Total Liabilities	1,927
Net Assets	1,142,683
1 Includes less than \$1,000 of securities on loan.	
At December 31, 2023, net assets consisted of:	
Paid-in Capital	1,166,404
Total Distributable Earnings (Loss)	(23,721)
Net Assets	1,142,683
Net Assets	
Applicable to 95,850,565 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	1,142,683
Net Asset Value Per Share	\$11.92
	*****

# Statement of Operations

Year Ended December 31, 2023

	(\$000)
Investment Income	
Income	
Dividends	34,503
Interest <sup>1</sup>	106
Securities Lending—Net	48
Total Income	34,657
Expenses	
The Vanguard Group—Note B	
Investment Advisory Services	22
Management and Administrative	2,550
Marketing and Distribution	63
Custodian Fees	90
Auditing Fees	34
Shareholders' Reports	25
Trustees' Fees and Expenses	1
Other Expenses	10
Total Expenses	2,795
Net Investment Income	31,862
Realized Net Gain (Loss)	
Capital Gain Distributions Received	5,268
Investment Securities Sold <sup>1</sup>	23,887
Futures Contracts	(29)
Swap Contracts	915
Realized Net Gain (Loss)	30,041
Change in Unrealized Appreciation (Depreciation)	
Investment Securities <sup>1</sup>	59,829
Futures Contracts	24
Swap Contracts	(114)
Change in Unrealized Appreciation (Depreciation)	59,739
Net Increase (Decrease) in Net Assets Resulting from Operations	121,642

<sup>1</sup> Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the portfolio were \$104,000, (\$1,000), less than \$1,000, and (\$1,000), respectively. Purchases and sales are for temporary cash investment purposes.

# Statement of Changes in Net Assets

	Year Ended December 3	
	2023 (\$000)	2022 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	31,862	28,122
Realized Net Gain (Loss)	30,041	49,985
Change in Unrealized Appreciation (Depreciation)	59,739	(476,185)
Net Increase (Decrease) in Net Assets Resulting from Operations	121,642	(398,078)
Distributions		
Total Distributions	(77,195)	(77,984)
Capital Share Transactions		
Issued	98,954	147,195
Issued in Lieu of Cash Distributions	77,195	77,984
Redeemed	(171,797)	(193,133)
Net Increase (Decrease) from Capital Share Transactions	4,352	32,046
Total Increase (Decrease)	48,799	(444,016)
Net Assets		
Beginning of Period	1,093,884	1,537,900
End of Period	1,142,683	1,093,884

# Financial Highlights

For a Share Outstanding	Year Ended December 31,			ember 31,	
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$11.53	\$16.56	\$12.43	\$13.74	\$11.57
Investment Operations					
Net Investment Income <sup>1</sup>	.327	.297	.257	.259	.329
Net Realized and Unrealized Gain (Loss) on Investments	.888	(4.474)	4.553	(1.054)	2.874
Total from Investment Operations	1.215	(4.177)	4.810	(.795)	3.203
Distributions					
Dividends from Net Investment Income	(.286)	(.262)	(.293)	(.316)	(.368)
Distributions from Realized Capital Gains	(.539)	(.591)	(.387)	(.199)	(.665)
Total Distributions	(.825)	(.853)	(.680)	(.515)	(1.033)
Net Asset Value, End of Period	\$11.92	\$11.53	\$16.56	\$12.43	\$13.74
Total Return	11.70%	-26.30%	40.21%	-4.85%	28.81%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$1,143	\$1,094	\$1,538	\$1,077	\$1,242
Ratio of Total Expenses to Average Net Assets	0.26%	0.26% <sup>2</sup>	0.26%	0.26%	0.26%
Ratio of Net Investment Income to Average Net Assets	2.97%	2.25%	1.79%	2.19%	2.52%
Portfolio Turnover Rate	10%	11%	12%	10%	7%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.26%.

## Notes to Financial Statements

The Real Estate Index Portfolio, a portfolio of Vanguard Variable Insurance Funds, is registered under the Investment Company Act of 1940 as an open-end investment company. The portfolio's shares are only available for purchase by separate accounts of insurance companies as investments for variable annuity plans, variable life insurance contracts, or other variable benefit insurance contracts.

**A.** The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The portfolio consistently follows such policies in preparing its financial statements.

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the portfolio's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value.
- 2. Futures Contracts: The portfolio uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, maintaining liquidity, and minimizing transaction costs. The portfolio may purchase futures contracts to immediately invest incoming cash in the market, or sell futures in response to cash outflows, thereby simulating a fully invested position in the underlying index while maintaining a cash balance for liquidity. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the portfolio and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the portfolio trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the portfolio's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the portfolio's average investments in long and short futures contracts represented less than 1% and 0% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

3. Swap Contracts: The portfolio has entered into equity swap contracts to earn the total return on selected reference stocks or indexes in the portfolio's target index. Under the terms of the swaps, the portfolio receives the total return on the referenced stock (i.e., receiving the increase or paying the decrease in value of the selected reference stock and receiving the equivalent of any dividends in respect of the selected referenced stock) over a specified period of time, applied to a notional amount that represents the value of a designated number of shares of the selected reference stock at the beginning of the equity swap contract. The portfolio also pays a floating rate that is based on short-term interest rates, applied to the notional amount. At the same time, the portfolio generally invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

A risk associated with all types of swaps is the possibility that a counterparty may default on its obligation to pay net amounts due to the portfolio. The portfolio's maximum amount subject to counterparty risk is the unrealized appreciation on the swap contract. The portfolio mitigates its counterparty risk by entering into swaps only with a diverse group of prequalified counterparties, monitoring their financial strength, entering into master netting arrangements with its counterparties, and requiring its counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the portfolio cannot be repledged, resold, or rehypothecated. In the event of a counterparty's default (including bankruptcy), the portfolio may terminate any swap contracts with that counterparty, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the portfolio under the master netting arrangements. The swap contracts contain provisions whereby a counterparty may terminate open contracts if the portfolio's net assets

decline below a certain level, triggering a payment by the portfolio if the portfolio is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the portfolio has pledged. Any securities pledged as collateral for open contracts are noted in the Schedule of Investments. The value of collateral received or pledged is compared daily to the value of the swap contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. Swaps are valued daily based on market quotations received from independent pricing services or recognized dealers and the change in value is recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until periodic payments are made or the termination of the swap, at which time realized gain (loss) is recorded.

During the year ended December 31, 2023, the portfolio's average amounts of investments in total return swaps represented less than 1% of net assets, based on the average of notional amounts at each quarter-end during the period.

- 4. Federal Income Taxes: The portfolio intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The portfolio's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the portfolio's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the portfolio's financial statements.
- 5. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 6. Securities Lending: To earn additional income, the portfolio lends its securities to qualified institutional borrowers. Security loans are subject to termination by the portfolio at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The portfolio further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the portfolio may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the portfolio; however, such actions may be subject to legal proceedings. While collateral mitigates counterparty risk, in the event of a default, the portfolio may experience delays and costs in recovering the securities loaned. The portfolio invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the portfolio is entitled to all distributions made on or in respect of the loaned securities.
- 7. Credit Facilities and Interfund Lending Program: The portfolio and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the portfolio's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the portfolio's board of trustees and included in Management and Administrative expenses on the portfolio's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the portfolio and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the portfolio may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the portfolio's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the portfolio did not utilize the credit facilities or the Interfund Lending Program.

- 8. Other: Distributions received from investment securities are recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Each investment security reports annually the tax character of its distributions. Dividend income, capital gain distributions received, and unrealized appreciation (depreciation) reflect the amounts of taxable income, capital gain, and return of capital reported by the REITs, and management's estimates of such amounts for REIT distributions for which actual information has not been reported. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.
- **B.** In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the portfolio, Vanguard furnishes to the portfolio investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the portfolio based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the portfolio may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the portfolio had contributed to Vanguard capital in the amount of \$35,000, representing less than 0.01% of the portfolio's net assets and 0.01% of Vanguard's capital received pursuant to the FSA. The portfolio's trustees and officers are also directors and employees, respectively, of Vanguard.

**C.** Various inputs may be used to determine the value of the portfolio's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.

Level 1—Quoted prices in active markets for identical securities.

**Level 2**—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

**Level 3**—Significant unobservable inputs (including the portfolio's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the portfolio's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

	Level 1	Level 2	Level 3	Total
	(\$000)	(\$000)	(\$000)	(\$000)
Investments				
Assets				
Common Stocks	1,132,298	_	_	1,132,298
Temporary Cash Investments	6,926	_	_	6,926
Total	1,139,224	_	_	1,139,224
Derivative Financial Instruments				
Assets				
Futures Contracts <sup>1</sup>	7	_	_	7
Liabilities				
Swap Contracts	_	114	_	114

<sup>1</sup> Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

D. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable swap agreements were reclassified between the individual components of total distributable earnings (loss).

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to the deferral of losses from wash sales; the deferral of income from real estate investment trusts; and the recognition of unrealized gains or losses from certain derivative contracts. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

	Amount (\$000)
Undistributed Ordinary Income	31,660
Undistributed Long-Term Gains	29,185
Net Unrealized Gains (Losses)	(87,879)
Capital Loss Carryforwards	_
Qualified Late-Year Losses	_
Other Temporary Differences	3,313
Total	(23,721)

The tax character of distributions paid was as follows:

	Year Ended December 31,	
	2023 Amount (\$000)	2022 Amount (\$000)
Ordinary Income*	27,200	28,357
Long-Term Capital Gains	49,995	49,627
Total	77,195	77,984

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	1,227,103
Gross Unrealized Appreciation	145,030
Gross Unrealized Depreciation	(232,909)
Net Unrealized Appreciation (Depreciation)	(87,879)

E. During the year ended December 31, 2023, the portfolio purchased \$113,023,000 of investment securities and sold \$153,896,000 of investment securities, other than temporary cash investments.

The portfolio purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$68,000 and sales were \$113,000, resulting in net realized loss of \$27,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

#### F. Capital shares issued and redeemed were:

	Year Ended December 31,		
	2023 Shares (000)	2022 Shares (000)	
Issued	8,943	11,004	
Issued in Lieu of Cash Distributions	7,524	5,356	
Redeemed	(15,456)	(14,362)	
Net Increase (Decrease) in Shares Outstanding	1,011	1,998	

G. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the portfolio's investments and portfolio performance.

To the extent the portfolio's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the portfolio may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the portfolio to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the portfolio's use of derivative(s) and the specific risks associated is described under significant accounting policies.

At December 31, 2023, one shareholder (an insurance company separate account whose holdings in the portfolio represent the indirect investment of Vanguard Variable Annuity contract holders) was the record or beneficial owner of 37% of the portfolio's net assets. If this shareholder were to redeem its investment in the portfolio, the redemption might result in an increase in the portfolio's expense ratio, cause the portfolio to incur higher transaction costs, or lead to the realization of taxable capital gains.

H. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

# Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Variable Insurance Funds and Shareholders of Real Estate Index Portfolio

#### Opinion on the Financial Statements

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Real Estate Index Portfolio (one of the portfolios constituting Vanguard Variable Insurance Funds, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

#### **Basis for Opinion**

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 16, 2024

We have served as the auditor of one or more investment companies in The Vanguard Group of Funds since 1975.

#### Tax information (unaudited)

The portfolio hereby designates \$39,000, or if subsequently determined to be different, the maximum amount allowable by law, of interest earned from obligations of the U.S. government which is generally exempt from state income tax.

The portfolio distributed \$49,995,000 as capital gain dividends (from net long-term capital gains) to shareholders during the fiscal year. The portfolio designates \$48,589,000 of its capital gain dividends as 20% rate gain distributions and \$1,406,000 as unrecaptured section 1250 gain distributions (25% rate gain).

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## The People Who Govern Your Fund

The trustees of your mutual fund are there to see that the fund is operated and managed in your best interests since, as a shareholder, you are a part owner of the fund. Your fund's trustees also serve on the board of directors of The Vanguard Group, Inc., which is owned by the Vanguard funds and provides services to them.

A majority of Vanguard's board members are independent, meaning that they have no affiliation with Vanguard or the funds they oversee, apart from the sizable personal investments they have made as private individuals. The independent board members have distinguished backgrounds in business, academia, and public service. Each of the trustees and executive officers oversees 208 Vanguard funds

Information for each trustee and executive officer of the fund appears below. That information, as well as the Vanguard fund count, is as of the date on the cover of this fund report. The mailing address of the trustees and officers is P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the *Statement of Additional Information*, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at vanguard.com.

#### Interested Trustee<sup>1</sup>

#### Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chairman of the board (2019-present) of Vanguard and of each of the investment companies served by Vanguard; chief executive officer (2018-present) of Vanguard; chief executive officer, president, and trustee (2018-present) of each of the investment companies served by Vanguard; president and director (2017-present) of Vanguard; and president (2018-present) of Vanguard Marketing Corporation. Chief investment officer (2013-2017), managing director (2002-2017), head of the Retail Investor Group (2006-2012), and chief information officer (2001-2006) of Vanguard. Member of the board of governors of the Investment Company Institute and the board of governors of FINRA.

#### Independent Trustees

#### Tara Bunch

Born in 1962. Trustee since November 2021. Principal occupation(s) during the past five years and other experience: head of global operations at Airbnb (2020–present). Vice president of AppleCare (2012–2020). Member of the board of directors of Out & Equal, the advisory board of the University of California, Berkeley School of Engineering, and the advisory board of Santa Clara University's Leavey School of Business.

#### Emerson U. Fullwood

Born in 1948. Trustee since January 2008. Principal occupation(s) during the past five years and other experience: executive chief staff and marketing officer for North America and corporate vice president (retired 2008) of Xerox Corporation (document management products and services). Former president of the Worldwide Channels Group, Latin America, and Worldwide Customer Service and executive chief staff officer of Developing Markets of Xerox. Executive in residence and 2009–2010 Distinguished Minett Professor at the Rochester Institute of Technology. Member of the board of directors of the University of Rochester Medical Center, the Monroe Community College Foundation, the United Way of Rochester. North Carolina A&T University, Roberts Wesleyan College, and the Rochester Philharmonic Orchestra. Trustee of the University of Rochester.

#### F. Joseph Loughrey

Born in 1949. Trustee since October 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2009) and vice chairman of the board (2008–2009) of Cummins Inc. (industrial machinery). Director of the V Foundation. Member of the advisory council for the College of Arts and Letters at the University of Notre Dame. Chairman of the board of Saint Anselm College.

#### Mark Loughridge

Born in 1953. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: senior vice president and chief financial officer (retired 2013) of IBM (information technology services). Fiduciary member of IBM's Retirement Plan Committee (2004–2013), senior vice president and general manager (2002–2004) of IBM Global Financing, vice president and controller (1998–2002) of IBM, and a variety of other prior management roles at IBM. Member of the Council on Chicago Booth.

#### Scott C. Malpass

Born in 1962. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: co-founder and managing partner (2022–present) of Grafton Street Partners (investment advisory firm). Chief investment officer (retired 2020) and vice president (retired 2020) of the University of Notre Dame. Chair of the board of Catholic Investment Services, Inc. (investment advisors). Member of the board of superintendence of the Institute for the Works of Religion, the Notre Dame 403(b) Investment Committee, and the board of directors of Paxos Trust Company (finance).

#### Deanna Mulligan

Born in 1963. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chief executive officer of Purposeful (advisory firm for CEOs and C-level executives; 2021–present). Board chair (2020), chief executive officer (2011–2020), and president (2010–2019) of The Guardian Life Insurance Company of America. Chief operating officer (2010–2011) and executive vice president (2008–2010) of Individual Life and Disability of the Guardian Life Insurance Company of America. Director of DuPont. Member of the board of the Economic Club of New York. Trustee of the Partnership for New York City (business leadership), Chief Executives for Corporate Purpose, and the NewYork-Presbyterian Hospital.

#### André F. Perold

Born in 1952. Trustee since December 2004. Principal occupation(s) during the past five years and other experience: George Gund Professor of Finance and Banking, Emeritus at the Harvard Business School (retired 2011). Chief investment officer and partner of HighVista Strategies (private investment firm). Member of the board of RIT Capital Partners (investment firm).

#### Sarah Bloom Raskin

Born in 1961. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: deputy secretary (2014–2017) of the United States Department of the Treasury. Governor (2010–2014) of the Federal Reserve Board. Commissioner (2007–2010) of financial regulation for the State of Maryland. Colin W. Brown Distinguished Professor of the Practice of Law, Duke Law School (2021–present); Rubenstein Fellow, Duke University (2017–2020); Distinguished Fellow of the Global Financial Markets Center, Duke Law School (2020–2022); and Senior Fellow, Duke Center on Risk (2020–present). Partner of Kaya Partners (climate policy advisory services). Member of the board of directors of Arcadia (energy solution technology).

#### Grant Reid

Born in 1959. Trustee since July 2023. Principal occupation(s) during the past five years and other experience: chief executive officer and president (2014–2022) and member of the board of directors (2015–2022) of Mars, Incorporated (multinational manufacturer). Member of the board of directors of Marriott International, Inc. Chair of Agribusiness Task Force, Sustainable Markets Initiative.

#### **David Thomas**

Born in 1956. Trustee since July 2021. Principal occupation(s) during the past five years and other experience: president of Morehouse College (2018–present). Professor of business administration, emeritus at Harvard University (2017–2018). Dean (2011–2016) and professor of management (2016–2017) at the Georgetown University McDonough School of Business. Director of DTE Energy Company. Trustee of Common Fund.

#### Peter F. Volanakis

Born in 1955. Trustee since July 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2010) of Corning Incorporated (communications equipment) and director of Corning

Incorporated (2000–2010) and Dow Corning (2001–2010). Director (2012) of SPX Corporation (multi-industry manufacturing). Overseer of the Amos Tuck School of Business Administration, Dartmouth College (2001–2013). Member of the BMW Group Mobility Council.

#### **Executive Officers**

#### Jacqueline Angell

Born in 1974. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief compliance officer (November 2022–present) of Vanguard and of each of the investment companies served by Vanguard. Chief compliance officer (2018–2022) and deputy chief compliance officer (2017–2019) of State Street.

#### Christine M. Buchanan

Born in 1970. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief financial officer (2021–present) and treasurer (2017–2022) of each of the investment companies served by Vanguard. Partner (2005–2017) at KPMG (audit, tax, and advisory services).

#### John Galloway

Born in 1973. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Investment stewardship officer (September

2020–present) of each of the investment companies served by Vanguard. Head of Investor Advocacy (February 2020–present) and head of Marketing Strategy and Planning (2017–2020) at Vanguard. Special assistant to the President of the United States (2015).

#### Ashley Grim

Born in 1984. Principal occupation(s) during the past five years and other experience: treasurer (February 2022–present) of each of the investment companies served by Vanguard. Fund transfer agent controller (2019–2022) and director of Audit Services (2017–2019) at Vanguard. Senior manager (2015–2017) at PriceWaterhouseCoopers (audit and assurance, consulting, and tax services).

#### Jodi Miller

Born in 1980. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Finance director (2022–present) of each of the investment companies served by Vanguard. Head of Enterprise Investment Services (2020–present), head of Retail Client Services and Operations (2020–2022), and head of Retail Strategic Support (2018–2020) at Vanguard.

#### Anne E. Robinson

Born in 1970. Principal occupation(s) during the past five years and other experience: general counsel (2016–present) of Vanguard. Secretary (2016–present)

of Vanguard and of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Managing director and general counsel of Global Cards and Consumer Services (2014–2016) at Citigroup. Counsel (2003–2014) at American Express. Nonexecutive director (2022–present) of the board of National Grid (energy).

#### Michael Rollings

Born in 1963. Principal occupation(s) during the past five years and other experience: finance director (2017–present) and treasurer (2017) of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Chief financial officer (2016–present) of Vanguard. Director (2016–present) of Vanguard Marketing Corporation. Executive vice president and chief financial officer (2006–2016) of MassMutual Financial Group.

#### Vanguard Senior Management Team

Matthew Benchener Joseph Brennan Mortimer J. Buckley Gregory Davis John James Chris D. McIsaac Thomas M. Rampulla Karin A. Risi Anne E. Robinson Michael Rollings Nitin Tandon Lauren Valente

# **Vanguard**

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All comparative mutual fund data are from Morningstar, Inc., unless otherwise noted.

You can obtain a free copy of Vanguard's proxy voting guidelines by visiting vanguard.com/proxyreporting or by calling Vanguard at 800-662-2739. The guidelines are also available from the SEC's website, www.sec.gov. In addition, you may obtain a free report on how your fund voted the proxies for securities it owned during the 12 months ended June 30. To get the report, visit either vanguard.com/proxyreporting or www.sec.gov.

You can review information about your portfolio on the SEC's website, and you can receive copies of this information, for a fee, by sending a request via email addressed to publicinfo@sec.gov.

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Annual Report | December 31, 2023

# Vanguard Variable Insurance Funds

Small Company Growth Portfolio

See the inside front cover for important information about your fund's annual and semiannual shareholder reports.

### Important information about shareholder reports

Beginning in July 2024, amendments adopted by the Securities and Exchange Commission will substantially impact the design, content, and transmission of shareholder reports. Shareholder reports will provide key fund information in a clear and concise format and must be mailed to each shareholder that has not elected to receive the reports electronically. Financial statements will no longer be included in the shareholder report but will be available at vanguard.com, can be mailed upon request, or can be accessed on the SEC's website at www.sec.gov.

You may elect to receive shareholder reports and other communications from the fund electronically by contacting your financial intermediary (such as a broker-dealer or bank) or, if you invest directly with the fund, by calling Vanguard at one of the phone numbers on the back cover of this report or by logging on to vanguard.com.

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### Your Portfolio's Performance at a Glance

- The financial markets delivered robust returns for the 12 months ended December 31, 2023. The Small Company Growth Portfolio of the Vanguard Variable Insurance Funds returned 19.65% for the period. It outperformed its benchmark, the Russell 2500 Growth Index, which returned 18.93%.
- With inflation continuing to ease, a number of major central banks slowed and eventually stopped hiking interest rates. Global growth, employment, and consumer spending showed resilience, but the prospect of rates remaining high for an extended period spurred volatility at times. Toward year-end, however, global stocks and bonds rallied as falling inflation and softening economic growth raised market expectations for rate cuts in 2024.
- The portfolio's positions in energy, industrials, materials, and utilities helped results the most. Underweight allocations to communication services and information technology as well as selection in consumer discretionary detracted the most.
- Please note that the portfolio's returns may be different from those in variable annuity products that invest in the portfolio, which take insurance-related expenses into account.

#### Market Barometer

	Average Annual lotal Returns Periods Ended December 31, 2023			
	One Year	Three Years	Five Years	
Stocks				
Russell 1000 Index (Large-caps)	26.53%	8.97%	15.52%	
Russell 2000 Index (Small-caps)	16.93	2.22	9.97	
Russell 3000 Index (Broad U.S. market)	25.96	8.54	15.16	
FTSE All-World ex US Index (International)	15.82	1.98	7.52	
Bonds				
Bloomberg U.S. Aggregate Float Adjusted Index (Broad taxable market)	5.60%	-3.33%	1.17%	
Bloomberg Municipal Bond Index (Broad tax-exempt market)	6.40	-0.40	2.25	
FTSE Three-Month U.S. Treasury Bill Index	5.26	2.24	1.91	
CPI				
Consumer Price Index	3.35%	5.60%	4.07%	

Average Appual Total Returns

## Advisors' Report

The Small Company Growth Portfolio returned 19.65% for the 12 months ended December 31, 2023. It outperformed the 18.93% return of its benchmark, the Russell 2500 Growth Index.

The portfolio is managed by two independent advisors, a strategy that enhances diversification by providing exposure to distinct yet complementary investment approaches. It is not uncommon for different advisors to have different views about individual securities or the broader investment environment.

The advisors, the amount and percentage of the portfolio's assets each manages, and brief descriptions of their investment strategies are presented in the accompanying table. Each advisor has also prepared a discussion of the investment environment that existed during the 12 months and its effect on the portfolio's positioning. These comments were prepared on January 12, 2024.

# Vanguard Quantitative Equity Group Portfolio Manager:

Cesar Orosco, CFA, Head of Alpha Equity Investments

#### The investment environment

Despite recession fears, a regional banking crisis earlier in 2023, and war breaking out in the Middle East and continuing in Ukraine, U.S. stocks returned 25.96% for the 12 months ended December 31, as measured by the Russell 3000 Index, with large technology stocks leading the way. Stocks outside the U.S. returned 15.82%, as measured by the FTSE All-World ex US Index.

Investors shook off concerns as inflation fell, central banks slowed and eventually halted interest rate hikes, consumer spending remained strong, and the unemployment rate hit its lowest level in decades. Rising bond yields sparked a period of stock market volatility in the fall, but stocks rebounded toward year-end when yields fell.

The broad U.S. bond market returned 5.60% for the 12 months, as measured by

the Bloomberg U.S. Aggregate Float Adjusted Index. Non-U.S. bonds, as measured by the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), rose 8.75%.

#### Investment objective and strategy

Although our portion of the portfolio's overall performance was affected by the macroeconomic factors we've described, our approach to investing focuses on specific stock fundamentals that we believe are more likely to produce outperformance over the long run. These include high quality, management decisions, consistent earnings growth, strong market sentiment, and reasonable valuation. We also evaluate companies based on a defensive signal that assesses heavily shorted stocks, as this can signal concerns over future company prospects.

Using these six themes, we generate an expected return, seeking to capitalize on investor biases. We then monitor our portfolio based on those rankings and adjust when appropriate to maximize expected return while minimizing exposure to risks that our research indicates do not improve returns (such as industry selection and other risks relative to our benchmark).

After extensive research, we enhanced our stock-selection model in February 2023 with an artificial-intelligence-driven component applied to each of our six themes. This Al approach relies on a proprietary deep-neural net architecture developed in-house to preserve the fundamentals-driven approach we espouse, while making our selection process sensitive to changing economic and market conditions.

The AI forecasts are blended with our traditional scores to generate an ensemble of daily stock rankings. We then follow our standard approach of monitoring the portfolio based on those rankings and adjust when appropriate. In addition, to properly assess the decisions of the model, we developed a suite of AI interpretability tools that allow us to

understand the drivers of the stock scores.

#### Our successes and shortfalls

Over the 12 months, all six of our submodels added to performance. Returns outpaced the benchmark in eight of 11 industry sectors, with energy, information technology, and industrials producing the strongest results. Financials, real estate, and health care were the only sectors that detracted from relative performance.

Our positions in energy benefited from strong selection in oil, gas, and consumable fuels companies. Strong selection in electric equipment instrument companies within IT also helped. These successes were somewhat held back by selection in pharmaceuticals in the health care sector.

At the individual stock level, overweight allocations to IT companies Elastic NV, Jabil, and Axcelis Technologies, as well as to e.l.f. Beauty in consumer staples and Modine Manufacturing in consumer discretionary, produced the best results. Overweight allocations to IT companies CommScope Holding and Maxeon Solar Technologies and health care companies Sangamo Therapeutics and Nevro, as well as an underweight to APA in energy, detracted the most.

We continue to believe that a portfolio focused on fundamentals will benefit investors over the long term, although we recognize that the market can reward or punish us in the near term. We believe our portfolio offers a strong mix of stocks with attractive valuations and value characteristics.

#### ArrowMark Partners

Portfolio Managers:

Chad Meade, Partner Brian Schaub, CFA, Partner

#### Investment environment

Amid indications that the Federal Reserve's aggressive rate-hike campaign was effectively cooling inflation without upending the U.S. economy, investors bid stocks higher over the 12 months ended December 31. Both consumer and producer price inflation decelerated considerably during the period—to the point where central bank policymakers unanimously agreed to stand pat in June on their key lending rate. While the pause in June was followed by one more 25-basis-point rate hike in July, that pause capped a run of 10 straight rate hikes dating back to March 2022. (A basis point is one hundredth of a percentage point.)

#### Investment objective

Our investment process prioritizes the management of risk over the opportunity for return, and our goal is to build an enduring portfolio that can perform in a variety of market conditions. We look to build a portfolio that can mitigate capital losses on the downside and provide 100% upside participation during market recoveries.

#### Portfolio results

ACV Auctions contributed to the portfolio's performance for the period. The company operates a digital wholesale auction marketplace to facilitate business-to-business used-car sales between sellers and dealers. It has disrupted the traditional physical used-car auction marketplace by attracting to its online platform thousands of dealers who

are drawn to ACV by its lower auction fees and large buyer base.

Matson, in industrials, also contributed to performance. Matson is a U.S.-based ocean and logistics company with a leading position in Pacific shipping that provides a vital lifeline to Hawaii, Alaska, and Guam, as well as premium and expedited service from China to the United States. Matson's unique terminal assets give it a significant speed advantage over competitors, which has been especially valuable amid supply-chain disruptions.

HealthEquity, a provider of health savings accounts, was another strong contributor. Employers' increasing adoption of high-deductible health insurance plans has boosted demand for HSAs, which provide consumers with an effective means of saving and paying for health-related expenses. Our investment thesis for HealthEquity is based on our belief that, as the market-leading U.S. provider of HSAs, the company will continue to benefit from rising demand trends.

Clean Harbors, a leading North American hazardous waste treatment, storage, and disposal management company, also contributed to performance. Particularly impressive are the industrial company's hazardous-waste incinerators, which are nearly impossible to replicate. We also like its oil re-refinery business, which is gaining recognition as a sustainable source of motor oil.

Select holdings in the health care and information technology sectors weighed on returns for the period as QuidelOrtho and Consensus Cloud Solutions both struggled. QuidelOrtho is a global leader in the diagnostics industry. The merger of

Quidel and Ortho Clinical Diagnostics has resulted in a top-10 player in the in-vitro diagnostics industry, combining Quidel's strong point-of-care platform with Ortho's blood chemistry and transfusion platform. We believe the new company will be much more consistent in its ability to deliver steady top-line growth at attractive margins to fuel free-cash-flow growth.

Consensus Cloud Solutions offers cloud-based business services to small and midsize businesses; it was spun out of longtime holding J2 Global (now Ziff Davis) in the fourth quarter of 2022. Despite subpar performance over the past 12 months, Consensus has historically enjoyed a high percentage of recurring revenues, low churn, and high margins. We like its ability to perform well even during market downturns, the visibility of its 100% subscription-based model offers, and its recent emphasis on the health care business, which tends to have lower churn and higher average revenue per user.

Another IT holding that held back results was 8x8, a cloud communications provider that offers businesses a unified voice, contact center, video, and chat platform. The company in late 2020 hired a new CEO who has since refocused on market areas where 8x8 has competitive advantages and the potential to earn higher margins. In conjunction with this change in strategy, the company exited low-growth and low-margin product lines, which has led to what we believe is a temporary slowdown in revenue growth.

As always, we will continue to look for companies that can perform in a variety of market conditions and mitigate capital losses.

### Small Company Growth Portfolio Investment Advisors

	Portfolio Assets	s Managed	
Investment Advisor	%	\$ Million	Investment Strategy
Vanguard Quantitative Equity Group	49	730	Employs a quantitative approach that focuses on fundamental factors, using models that assess valuation, growth prospects, management decisions, market sentiment, and earnings and balance-sheet quality of companies as compared with their peers.
ArrowMark Partners	48	720	The firm uses in-depth fundamental research to uncover companies that, in its opinion, can control their own economic destiny. It starts by identifying businesses with strong competitive advantages in industries with high barriers to entry, then narrows the focus to companies with large potential markets and high-quality business models focused on the future. Finally, considerations are made for potential downside risk, resulting in a diversified portfolio of between 75 and 100 stocks.
Cash Investments	3	51	These short-term reserves are invested by Vanguard in equity index products to simulate investment in stocks. Each advisor may also maintain a modest cash position.

## About Your Portfolio's Expenses

As a shareholder of the portfolio, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a portfolio's gross income, directly reduce the investment return of the portfolio.

A portfolio's expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your portfolio and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your portfolio's costs in two ways:

• Based on actual portfolio return. This section helps you to estimate the actual expenses that you paid over the period. The "Ending Account Value" shown is derived from the portfolio's actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the portfolio. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your portfolio under the heading "Expenses Paid During Period."

• Based on hypothetical 5% yearly return. This section is intended to help you compare your portfolio's costs with those of other mutual funds. It assumes that the portfolio had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the portfolio's actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your portfolio's costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the portfolio for buying and selling securities. The portfolio's expense ratio does not reflect additional fees and expenses associated with the annuity or life insurance program through which you invest.

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the portfolio's expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your portfolio's current prospectus.

#### Six Months Ended December 31, 2023

Small Company Growth Portfolio	Beginning Account Value 6/30/2023	Ending Account Value 12/31/2023	Expenses Paid During Period
Based on Actual Portfolio Return	\$1,000.00	\$1,038.90	\$1.49
Based on Hypothetical 5% Yearly Return	1,000.00	1,023.74	1.48

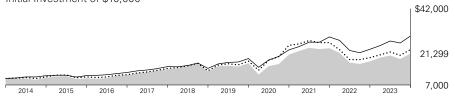
The calculations are based on expenses incurred in the most recent six-month period. The portfolio's annualized six-month expense ratio for that period is 0.29%. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (184/365).

## Small Company Growth Portfolio

## **Performance Summary**

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the portfolio. (Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance.) Note, too, that both investment returns and principal value can fluctuate widely, so an investor's shares, when sold, could be worth more or less than their original cost. The returns shown do not reflect taxes that a shareholder would pay on portfolio distributions or on the sale of portfolio shares. Nor do the returns reflect fees and expenses associated with the annuity or life insurance program through which a shareholder invests. If these fees and expenses were included, the portfolio's returns would be lower.

# Cumulative Performance: December 31, 2013, Through December 31, 2023 Initial Investment of \$10,000



Average Annual Total Returns Periods Ended December 31, 2023

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Small Company Growth Portfolio	19.65%	9.98%	7.85%	\$21,299
····· Russell 2500 Growth Index	18.93	11.43	8.78	23,194
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

## Portfolio Allocation

As of December 31, 2023

Communication Services	5.8%
Consumer Discretionary	11.6
Consumer Staples	2.2
Energy	2.6
Financials	7.7
Health Care	25.2
Industrials	21.6
Information Technology	19.2
Materials	2.6
Real Estate	0.8
Utilities	0.7

The table reflects the portfolio's investments, except for short-term investments and derivatives. Sector categories are based on the Global Industry Classification Standard ("GICS"), except for the "Other" category (if applicable), which includes securities that have not been provided a GICS classification as of the effective reporting period.

Global Industry Classification Standard ("GICS") was developed by and is the exclusive property and a service mark of MSCI Inc. ("MSCI") and Standard and Poor's, a division of McGraw-Hill Companies, Inc. ("S&P"), and is licensed for use by Vanguard. Neither MSCI, S&P nor any third party involved in making or compiling the GICS or any GICS classification makes any express or implied warranties or representations with respect to such standard or classification (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any such standard or classification. Without limiting any of the foregoing, in no event shall MSCI, S&P, any of its affiliates or any third party involved in making or compiling the GICS or any GICS classification have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.

# **Financial Statements**

# Schedule of Investments

As of December 31, 2023

The portfolio files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The portfolio's Form N-PORT reports are available on the SEC's website at www.sec.gov.

	Shares	Market Value* (\$000)
mmon Stocks (95.1%)		
nmunication Services	(5.6%)	
Ziff Davis Inc.	320,806	21,555
Cargurus Inc. ZipRecruiter Inc. Class	806,210 A 884,885	19,478 12,300
IAC Inc.	186,000	9,743
Iridium		
Communications Inc		9,200
Yelp Inc. Playtika Holding Corp.	80,912 297,135	3,830 2,591
Vimeo Inc.	402,040	1,576
TripAdvisor Inc.	62,709	1,350
ZoomInfo	04.070	0.45
Technologies Inc. Bandwidth Inc. Class A	34,876 27,119	645 392
Integral Ad Science	27,119	332
Holding Corp.	26,928	387
DHI Group Inc.	116,046	301
		83,348
nsumer Discretionary		
Churchill Downs Inc.	135,404	18,270
Skechers USA Inc. Clas National Vision	ss A 178,381	11,120
Holdings Inc.	333,088	6,972
Under Armour Inc.		
Class C	834,052	6,964
Sally Beauty Holdings I Pool Corp.	nc. 505,179 16,043	6,709 6,396
Sportradar Holding AG	10,043	0,550
Class A	489,637	5,410
Toll Brothers Inc.	43,609	4,483
Murphy USA Inc. Deckers Outdoor Corp	12,036 . 6,103	4,292 4,079
Boyd Gaming Corp.	59,274	3,711
Fox Factory Holding Co		3,697
Abercrombie & Fitch C		0.004
Class A frontdoor Inc.	41,872 103,491	3,694 3,645
Grand Canyon	100,401	0,040
Education Inc.	26,055	3,440
Texas Roadhouse Inc.	27,499	3,361
Floor & Decor Holdings Inc. Class A	29,116	3,248
Everi Holdings Inc.	284,920	3,211
Travel & Leisure Co.	77,981	3,048
Green Brick Partners Ir		3,030
Wingstop Inc. Perdoceo Education Co	11,796 orp. 158,802	3,027 2,789
Dave & Buster's	πp. 130,002	2,700
Entertainment Inc.	50,863	2,739
Williams-Sonoma Inc.	11,412	2,303
Buckle Inc.	47,365	2,251
MasterCraft Boat Holdings Inc.	97,029	2,197
Tri Pointe Homes Inc.	60,725	2,150
Build-A-Bear	00.000	
Workshop Inc.	89,682 15,165	2,062 1,894
Visteon Corp.  Modine Manufacturing	15,165	1,034
Co.	30,900	1,845
Duolingo Inc.	8,092	1,836
Tapestry Inc.	49,297	1,815
Norwegian Cruise Line Holdings Ltd.	87,046	1,744
Stride Inc.	24,261	1,440
Academy Sports &		
Outdoors Inc.	21,353	1,409
Brinker International In		1,406
Warby Parker Inc. Class Shake Shack Inc. Class		1,292 1,283
O G. G. G. 1110. Old 00	17,010	.,200

			Market
		Shares	Value* (\$000)
*	Inspired		
*	Entertainment Inc. Coursera Inc.	126,275 59,057	1,248 1,144
*	CarParts.com Inc.	348,183	1,144
*	Cavco Industries Inc.	2,993	1,037
*	Urban Outfitters Inc.	28,433	1,015
	Taylor Morrison Home Corp.	18,673	996
*	Chegg Inc.	84,647	962
*	Carvana Co.	18,054	956
	SeaWorld Entertainment Inc.	18,089	956
*	Wayfair Inc. Class A	14,709	908
	Monarch Casino & Resort Inc.	11 770	814
	Patrick Industries Inc.	11,778 7,526	755
	Dine Brands Global Inc.	14,884	739
	International Game	26.706	704
	Technology plc Wynn Resorts Ltd.	26,796 7,834	734 714
*	Crocs Inc.	7,114	664
*	Hovnanian	4.100	051
	Enterprises Inc. Class A PulteGroup Inc.	4,183 6,047	651 624
	Wolverine World Wide Inc.	67,806	603
*	Valvoline Inc.	15,701	590
	Standard Motor Products Inc.	13,776	548
*	Five Below Inc.	2,454	523
*	PlayAGS Inc.	61,835	521
*	Accel Entertainment Inc.	38,333	394
	Malibu Boats Inc. Class A Upbound Group Inc.	7,161 11,164	393 379
*	Boot Barn Holdings Inc.	4,590	352
*	Solo Brands Inc. Class A	47,142	290
*	Stitch Fix Inc. Class A Skyline Champion Corp.	75,827 3,318	271 246
	Golden Entertainment Inc.	4,166	166
	Carriage Services Inc.	5,587	140
*	Destination XL Group Inc.	30,015	132
	Stoneridge Inc.	6,110	120
Co	nsumer Staples (2.1%)		165,947
00	Coca-Cola		
*	Consolidated Inc.	6,586	6,115
	BJ's Wholesale Club Holdings Inc.	68,618	4,574
	PriceSmart Inc.	54,010	4,093
*	Simply Good Foods Co.	71,643	2,837
	Energizer Holdings Inc.	88,006	2,788
*	Turning Point Brands Inc. e.l.f. Beauty Inc.	88,498 11,923	2,329 1,721
*	Performance Food Group		
*	Co. USANA Health	23,735	1,641
	Sciences Inc.	23,752	1,273
	John B Sanfilippo &	10.000	1 067
	Son Inc. Dole plc	12,296 87,380	1,267 1,074
	Vector Group Ltd.	58,102	655
	Primo Water Corp.	42,702	643
*	Oil-Dri Corp. of America	5,499	369
	Boston Beer Co. Inc. Class A	1,064	368
*	BellRing Brands Inc.	3,335	185
-	Celsius Holdings Inc.	3,269	178
_	(O FO/)		32,110
⊏n	ergy (2.5%) Viper Energy Inc.	258,973	8,126
	APA Corp.	182,631	6,553
*	Par Pacific Holdings Inc.	116,129	4,224

		Shares	Market Value* (\$000)
*	Dorian LPG Ltd. Diamondback Energy Inc.	77,439 21,745	3,397 3,372
*	Weatherford International plc Oceaneering	31,482	3,080
*	International Inc. US Silica Holdings Inc. Liberty Energy Inc. CONSOL Energy Inc. Delek US Holdings Inc. SM Energy Co. DMC Global Inc.	76,515 94,857 51,832 7,868 26,988 16,814 33,787	1,628 1,073 940 791 696 651 636
	Murphy Oil Corp. PBF Energy Inc. Class A Equitrans Midstream	14,644 11,210	625 493
	Corp. Solaris Oilfield	38,568	393
	Infrastructure Inc. Class A	31,801 _	253
Fir	nancials (7.3%)		36,931
*	Euronet Worldwide Inc. LPL Financial	244,798	24,845
*	Holdings Inc. WisdomTree Inc. Equitable Holdings Inc. NMI Holdings Inc. Class A	53,291 1,249,298 246,860 132,529	12,130 8,658 8,220 3,933
*	Virtus Investment Partners Inc. Everest Group Ltd. WEX Inc.	15,743 9,247 15,873	3,806 3,270 3,088
	SLM Corp. FactSet Research Systems Inc.	152,979 6,041	2,925 2,882
*	MarketAxess Holdings Inc. StoneCo. Ltd. Class A	9,838 132,583	2,881 2,391
	Victory Capital Holdings Inc. Class A	68,150	2,347
	Bank of NT Butterfield & Son Ltd. Lincoln National Corp.	71,100 81,616	2,276 2,201
*	Skyward Specialty Insurance Group Inc. Remitly Global Inc.	62,250 99,875	2,109 1,940
*	International Money Express Inc. Palomar Holdings Inc. Federated Hermes Inc.	85,262 29,749 47,131	1,883 1,651 1,596
	Fidelis Insurance Holdings Ltd.	97,169	1,231
	Universal Insurance Holdings Inc. Brightsphere Investment	73,334	1,172
* *	Group Inc. AvidXchange Holdings Inc. Marqeta Inc. Class A Assetmark Financial	61,132 93,863 165,917	1,171 1,163 1,158
*	Holdings Inc. PROG Holdings Inc. XP Inc. Class A RenaissanceRe Holdings	37,278 32,977 39,043	1,117 1,019 1,018
_	Ltd. Westamerica BanCorp	4,814 14,031	944 792
^	Shift4 Payments Inc. Class A Brown & Brown Inc. Pathward Financial Inc.	7,527 7,318 8,335	560 520 441
	First Citizens BancShares Inc. Class A Kinsale Capital Group Inc.	287 1,094	407 366

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*	Open Lending Corp.			*	DaVita Inc.	12,716	1,332	*	Aquestive		
	Class A	39,363	335	*	Health Catalyst Inc.	142,289	1,318	*	Therapeutics Inc.	55,778	113
	Esquire Financial Holdings Inc.	5,093	254		Apellis Pharmaceuticals Inc.	21,743	1,302	*	Harpoon Therapeutics Inc. 89bio Inc.	9,826 9,742	112 109
*	Payoneer Global Inc.	45,474	237	*	Ventyx Biosciences Inc.	512,660	1,266	*	Mural Oncology plc	13,448	80
*	SiriusPoint Ltd.	19,005	220	*	Mersana Therapeutics Inc.	544,456	1,263	*	Prothena Corp. plc	2,060	75
*	StoneX Group Inc.	2,898	214	*	Avantor Inc.	54,504	1,244	*,2	Oditoolaii		
			109,371	*	Blueprint Medicines Corp.	13,146	1,213	*	Therapeutics Inc.	414,811	75 69
H	ealth Care (23.9%)				Arrowhead Pharmaceuticals Inc.	38,893	1,190	*	Gritstone bio Inc. Aadi Bioscience Inc.	33,605 10,349	21
*	STERIS plc	98,295	21,610	*	Amphastar	30,033	1,100		Addi Bioscience inc.	10,040	
	Merit Medical Systems Inc.	269,583	20,478		Pharmaceuticals Inc.	18,959	1,173	In	dustrials (20.5%)		359,395
*	QuidelOrtho Corp.	216,839	15,981	*	OptimizeRx Corp.	76,223	1,091	1111	RB Global Inc. (XTSE)	362,574	24,253
	Cooper Cos. Inc.	39,961	15,123	*	Travere Therapeutics Inc. Phreesia Inc.	106,346 41,236	956 955	*	Alight Inc. Class A	2,662,075	22,708
*	Doximity Inc. Class A	513,059	14,386	*	Coherus Biosciences Inc.	279,908	932		Sensata Technologies		
	Bio-Techne Corp. Teleflex Inc.	143,119 38,022	11,043 9,480	*	ADMA Biologics Inc.	201,414	910		Holding plc Matson Inc.	588,876 165,530	22,124 18,142
*	Tandem Diabetes	30,022	9,400	*	iRhythm Technologies Inc.	8,199	878	*	ACV Auctions Inc. Class A	1,007,037	15,257
	Care Inc.	293,417	8,679	*,	Puma Biotechnology Inc.	197,181	854	*	Cimpress plc	180,032	14,412
*	Sotera Health Co.	508,188	8,563	*	Esperion Therapeutics Inc. SI-BONE Inc.	282,905 38,825	846 815		Applied Industrial		
*	TransMedics Group Inc.	98,725	7,792	*	Surmodics Inc.	22,379	813	*	Technologies Inc.	78,289	13,520
*	HealthEquity Inc. Arvinas Inc.	114,887 168,393	7,617 6,931	*	Semler Scientific Inc.	17,966	796	*	Kirby Corp. Generac Holdings Inc.	170,423 85,738	13,375 11,081
*	Certara Inc.	393,289	6,918	*	Deciphera	10 711	700	*	Middleby Corp.	42,775	6,295
*	Halozyme		,	*	Pharmaceuticals Inc.	48,741	786 705		Toro Co.	59,448	5,706
*	Therapeutics Inc.	174,275	6,441		Y-mAbs Therapeutics Inc. LeMaitre Vascular Inc.	103,404 12,393	705		Curtiss-Wright Corp.	25,262	5,628
*	Veracyte Inc. Medpace Holdings Inc.	233,142 20,559	6,414 6,302	*	Karyopharm	12,000	700	*	EMCOR Group Inc. GMS Inc.	24,221	5,218 5.006
*	Nevro Corp.	290,895	6,260		Therapeutics Inc.	805,283	697	*	Atkore Inc.	60,735 31,063	4,970
	Bruker Corp.	81,185	5,965		Select Medical Holdings	29,076	683	*	WillScot Mobile Mini	01,000	1,070
*	Masimo Corp.	50,625	5,934	*,	Corp.  Novavax Inc.	138,119	663		Holdings Corp.	108,922	4,847
-	SpringWorks	157000	E 744	*	BioCryst	100,110	000		UFP Industries Inc.	38,571	4,843
*	Therapeutics Inc. Neurocrine	157,368	5,744		Pharmaceuticals Inc.	110,461	662		Heartland Express Inc. Watts Water	327,184	4,666
	Biosciences Inc.	42,733	5,630	*	Joint Corp.	67,286	647		Technologies Inc.		
*	Legend Biotech Corp.			*	Lantheus Holdings Inc. AtriCure Inc.	9,947 17,158	617 612		Class A	22,376	4,662
*	ADR	92,519 68,979	5,567	*	Pennant Group Inc.	42,695	594	*	Griffon Corp.	75,765	4,618
*	Henry Schein Inc. Ionis Pharmaceuticals Inc.	96,841	5,222 4,899	*	Inmode Ltd.	21,669	482		American Airlines Group Inc.	301,899	4,148
*	Align Technology Inc.	17,148	4,699	*	Aclaris Therapeutics Inc.	447,911	470	*	Beacon Roofing	001,000	1,110
*	Exelixis Inc.	189,703	4,551	*	CytomX Therapeutics Inc.	281,383	436		Supply Inc.	47,040	4,093
_	Sarepta Therapeutics Inc.	45,395	4,377	*	Affimed NV Bridgebio Pharma Inc.	653,577 10,036	408 405		Allison Transmission	69,144	4,021
*	Chemed Corp. ACADIA	7,181	4,199	*	MacroGenics Inc.	39,825	383		Holdings Inc. Apogee Enterprises Inc.	74,120	3,959
	Pharmaceuticals Inc.	133,022	4,165	*	Sangamo			*	Paylocity Holding Corp.	22,821	3,762
*	Option Care Health Inc.	121,051	4,078	*	Therapeutics Inc.	703,310	382		AGCO Corp.	30,019	3,645
_	Agios	100.040	4.007		NanoString Technologies Inc.	458,552	343		H&E Equipment	68,328	3,575
*	Pharmaceuticals Inc. IQVIA Holdings Inc.	182,642 16,612	4,067 3,844	*	Evolus Inc.	27,496	290		Services Inc. CSG Systems	00,320	3,575
*	Alkermes plc	134,488	3,731	*	Cartesian				International Inc.	61,705	3,283
*	PTC Therapeutics Inc.	133,433	3,677		Therapeutics Inc. (XNMS)	414,811	286	*	ExlService Holdings Inc.	101,820	3,141
_	Inspire Medical	17000	0.055	*	Tactile Systems	414,011	200		Terex Corp.	50,930	2,926
*	Systems Inc. Axogen Inc.	17,968 525,314	3,655 3,588		Technology Inc.	17,739	254		Booz Allen Hamilton Holding Corp.	22.839	2,921
*	Shockwave Medical Inc.	16,773	3,196	*	AdaptHealth Corp.	33,517	244	*	Axon Enterprise Inc.	11,222	2,899
*	Omnicell Inc.	83,637	3,147	*	Keros Therapeutics Inc. Organogenesis	6,058	241	*	Herc Holdings Inc.	19,457	2,897
*	HealthStream Inc.	113,171	3,059		Holdings Inc.	57,740	236	*	Upwork Inc.	180,206	2,680
*	Penumbra Inc. Relay Therapeutics Inc.	12,069 269,760	3,036 2,970	*	Corcept Therapeutics Inc.	7,071	230	*	Legalzoom.com Inc. Sterling Infrastructure Inc.	205,077 25,263	2,317 2,221
*	Ultragenyx	203,700	2,370		Supernus	7754	224		Alamo Group Inc.	10,514	2,210
	Pharmaceutical Inc.	56,912	2,722	*	Pharmaceuticals Inc. Pulmonx Corp.	7,754 17,333	224		Graco Inc.	23,994	2,082
*	Veeva Systems Inc.	40 507	0.040	*	Scilex Holding Co.	17,000	221		Comfort Systems	0.000	0.055
*	Class A Ironwood	13,567	2,612		(XNCM)	107,359	219		USA Inc. Marten Transport Ltd.	9,992 97,632	2,055 2,048
	Pharmaceuticals Inc.	223,423	2,556	*	Mei Pharma Inc.	36,960	214	*	Huron Consulting	07,002	2,040
*	Tenet Healthcare Corp.	32,419	2,450	*	Sage Therapeutics Inc. Cue Biopharma Inc.	9,836 73,927	213 195		Group Inc.	19,028	1,956
*	CorVel Corp.	9,260	2,289	*	Rigel Pharmaceuticals Inc.	133,039	193		Janus International	140 105	1 0 4 7
	PetIQ Inc.	109,549	2,164	*	HilleVax Inc.	11,912	191	*	Group Inc. American Woodmark	149,195	1,947
*	iRadimed Corp. Charles River Laboratories	45,306	2,151	*	Aldeyra Therapeutics Inc.	53,009	186		Corp.	20,921	1,943
	International Inc.	8,839	2,090	-	Intra-Cellular	2,463	176		Vertiv Holdings Co.		
*	Enanta			*	Therapies Inc. NGM	2,403	1/0	*	Class A	38,288	1,839
*	Pharmaceuticals Inc.	221,265	2,082		Biopharmaceuticals Inc.	198,498	171	*	Gibraltar Industries Inc. JELD-WEN Holding Inc.	22,708 93,443	1,793 1,764
*	Exact Sciences Corp. ANI Pharmaceuticals Inc.	25,763 33,191	1,906 1,830	*	Precision BioSciences Inc.	462,172	169		Hubbell Inc.	5,309	1,746
*	Jazz Pharmaceuticals plc	13,909	1,711	*	Arbutus Biopharma Corp.	65,896	165 165	*	Masonite International		
*	Addus HomeCare Corp.	18,091	1,680	*	Viemed Healthcare Inc. Inari Medical Inc.	21,005 2,442	165 159		Corp.	19,573	1,657
*	Vir Biotechnology Inc.	164,348	1,653	*	Voyager Therapeutics Inc.	17,869	151		Heidrick & Struggles International Inc.	54,251	1,602
*	Haemonetics Corp. Axonics Inc.	18,477 23,972	1,580 1,492	*	Seres Therapeutics Inc.	106,883	150		Brink's Co.	16,030	1,410
*	Natera Inc.	22,914	1,435	-	Mineralys Therapeutics Inc.	17,500	150	*	Enerpac Tool Group Corp.	45,070	1,401
*	Fate Therapeutics Inc.	375,899	1,406	*	Pediatrix Medical	17,500	150	*	Franklin Covey Co. Lyft Inc. Class A	27,525 77,547	1,198 1,162
*	Agenus Inc. Alector Inc.	1,687,643 170,438	1,397 1,360		Group Inc.	13,360	124		Insperity Inc.	9,852	1,162
	AIGGIOI IIIG.	170,430	1,300		Atara Biotherapeutics Inc.	225,069	115		EnerSys	11,325	1,143

			Market			Market Value*			Market
		Shares	Value* (\$000)		Shares	(\$000)		Shares	Value* (\$000)
*	Liquidity Services Inc.	64,003	1,102	* CommScope Holding Co.			* Axalta Coating Systems		
	ASGN Inc.	11,351	1,092	Inc.	933,507	2,632	Ltd.	89,753	3,049
	Boise Cascade Co.	8,237	1,066	Pegasystems Inc.  * Zuora Inc. Class A	51,435 262,958	2,513 2,472	Ryerson Holding Corp. Innospec Inc.	83,935 14,589	2,911 1,798
	John Bean Technologies Corp.	10,609	1,055	* Domo Inc. Class B	239,030	2,472	* O-I Glass Inc.	97,715	1,730
*	Masterbrand Inc.	69,496	1,032	* PDF Solutions Inc.	75,808	2,436	Myers Industries Inc.	80,922	1,582
*	MRC Global Inc.	66,158	728	* Lattice Semiconductor	,	_,	* Constellium SE	78,845	1,574
*	Forrester Research Inc.	27,029	725	Corp.	34,046	2,349	Orion SA	53,295	1,478
	Franklin Electric Co. Inc.	7,413	716	* Box Inc. Class A	90,808	2,326	Chemours Co.	36,130	1,139
	Avis Budget Group Inc.	3,807	675	* Diodes Inc.	27,876	2,245	Hawkins Inc.	13,252	933
	Genpact Ltd. Advanced Drainage	15,791	548	* Arlo Technologies Inc. Amkor Technology Inc.	205,044 58,400	1,952 1,943	Materion Corp. Sensient Technologies	6,935	902
	Systems Inc.	3,802	535	* Gitlab Inc. Class A	28,940	1,822	Corp.	10,586	699
	Universal Logistics	0,002	000	* FARO Technologies Inc.	69,984	1,577	United States Lime &	.0,000	000
	Holdings Inc.	16,522	463	* Everbridge Inc.	61,192	1,488	Minerals Inc.	2,834	653
*	IES Holdings Inc.	5,324	422	* eGain Corp.	174,153	1,451	RPM International Inc.	5,596	625
*	Healthcare Services	01 710	200	* Itron Inc.	18,769	1,417	* Ecovyst Inc.	57,981	566
	Group Inc.	31,719	329	Marathon Digital	E0.7E0	1 404	Warrior Met Coal Inc.	8,147	497
	Barrett Business Services Inc.	2,499	289	Holdings Inc.  * Yext Inc.	59,756 233,313	1,404 1,374	Berry Global Group Inc.	5,918 5,786	399 296
*	Thermon Group	2,100	200	* Weave	233,313	1,374	Koppers Holdings Inc.  * Core Molding	5,760	290
	Holdings Inc.	7,681	250	Communications Inc.	111,950	1,284	Technologies Inc.	13,529	251
	Preformed Line Products			Sapiens International	,	,	3	.,-	37,719
	Co.	1,679	225	Corp. NV	41,865	1,212	Real Estate (0.8%)		37,719
	Lincoln Electric Holdings Inc.	796	173	Bel Fuse Inc. Class B	17,804	1,189	Lamar Advertising Co.		
*	IBEX Holdings Ltd.	9,117	173	* ePlus Inc.	13,331	1,064	Class A	36,665	3,897
*	Asure Software Inc.	17,752	169	<ul> <li>* MicroStrategy Inc. Class A</li> <li>* Asana Inc. Class A</li> </ul>	1,680 51,462	1,061 978	Universal Health Realty		
*	Commercial Vehicle	, -		* LivePerson Inc.	240,485	911	Income Trust	47,218	2,042
	Group Inc.	23,208	163	* Maxeon Solar	240,400	311	Tanger Inc.	73,531	2,038
*	Titan International Inc.	9,978	148	Technologies Ltd.	124,243	891	<ul> <li>Zillow Group Inc. Class C</li> <li>Redfin Corp.</li> </ul>	26,332 120,238	1,524 1,241
	Matthews International Corp. Class A	2.041	144	* Extreme Networks Inc.	50,235	886	* Opendoor	120,230	1,241
	Hyster-Yale Materials	3,941	144	* Infinera Corp.	185,748	882	Technologies Inc.	161,415	723
	Handling Inc.	1,722	107	Synaptics Inc.	6,761	771	RMR Group Inc. Class A	25,178	711
			308,259	* Olo Inc. Class A * SprinkIr Inc. Class A	127,483 58,720	729 707			12,176
Inf	ormation Technology (18.2%	<b>6</b> )	300,233	* Fabrinet	3,694	707	Utilities (0.6%)		,.,0
*	Trimble Inc.	405,943	21,596	* HashiCorp Inc. Class A	29,579	699	Vistra Corp.	146,544	5,645
*	Okta Inc.	193,922	17,556	* Credo Technology Group			New Jersey Resources		0.530
*	Dynatrace Inc.	295,928	16,184	Holding Ltd.	35,111	684	Corp.	80,285	3,579
*,1	GLOBALFOUNDRIES Inc.	256,204	15,526	FormFactor Inc.	15,008	626	* Pure Cycle Corp.	15,719	165
*	Smartsheet Inc. Class A	318,872	15,248	AppLovin Corp. Class A	15,619	622			9,389
*	Tenable Holdings Inc. ON Semiconductor Corp.	299,778 131,508	13,808 10,985	<ul><li>Sanmina Corp.</li><li>Appian Corp. Class A</li></ul>	11,678 15,632	600 589	Total Common Stocks		
*	Elastic NV	96,356	10,965	* ACM Research Inc.	13,032	303	(Cost \$1,428,740)		1,428,220
*	Manhattan Associates Inc.	35,833	7,716	Class A	28,550	558	Temporary Cash Investments	(5.7%)	
*	Pure Storage Inc. Class A	187,376	6,682	* Cambium Networks Corp.	91,286	548	Money Market Fund (5.7%)		
*	Dropbox Inc. Class A	174,461	5,143	* Turtle Beach Corp.	49,295	540	3,4 Vanguard Market Liquidity		
*	MaxLinear Inc.	213,401	5,073	* CS Disco Inc.	64,895	493	Fund, 5.435%		
*	N-Able Inc.	380,774	5,045	<ul><li>* SkyWater Technology Inc.</li><li>* OSI Systems Inc.</li></ul>	45,695	440	(Cost \$84,797)	848,017	84,785
*	Blackline Inc.	77,108	4,815	* Brightcove Inc.	3,348 155,847	432 404	Total Investments (100.8%)		
*	Wix.com Ltd. 8x8 Inc.	38,878	4,783	* inTEST Corp.	26,622	362	(Cost \$1,513,537)		1,513,005
	Jabil Inc.	1,237,086 36,472	4,676 4,646	* Ultra Clean Holdings Inc.	9,969	340	Other Assets and Liabilities—		
*	Cadence Design	30,472	4,040	* Digital Turbine Inc.	45,968	315	Net (-0.8%)		(11,898)
	Systems Inc.	15,079	4,107	Vontier Corp.	8,963	310	Net Assets (100%)		1,501,107
*	Consensus Cloud			* CEVA Inc.	13,427	305			1,501,107
*	Solutions Inc.	155,142	4,066	A10 Networks Inc.	22,856	301	Cost is in \$000.		
	Super Micro Computer Inc.	14,250	4,051	* Alpha & Omega Semiconductor Ltd.	10,902	284	<ul> <li>See Note A in Notes to Financial Sta</li> </ul>	atements.	
		81,472	3,885	* Kaltura Inc.	130,995	255	<ul> <li>Non-income-producing security.</li> </ul>		
*	Nutanix Inc. Class A		0,000	* DigitalOcean Holdings Inc.	6,175	227	<ol> <li>Includes partial security positions or</li> </ol>	loan to brok	er-dealers. The
*	Nutanix Inc. Class A BigCommerce	01,472					total value of securities on loan is \$	14,Z94,UUU.	
*	BigCommerce Holdings Inc. Series 1	398,977	3,882	* Squarespace Inc. Class A	6,801	224	2. Security value determined using sign	nificant unch	convable
* * *	BigCommerce Holdings Inc. Series 1 CommVault Systems Inc.		3,882 3,780	* Squarespace Inc. Class A * CPI Card Group Inc.	8,930	171	<ol> <li>Security value determined using significants.</li> </ol>	nificant unob	servable
* * *	BigCommerce Holdings Inc. Series 1 CommVault Systems Inc. SMART Global	398,977 47,338	3,780	* Squarespace Inc. Class A * CPI Card Group Inc. * Upland Software Inc.	8,930 37,477	171 158	inputs.  3 Affiliated money market fund availa	ble only to Va	inguard funds
* * * *	BigCommerce Holdings Inc. Series 1 CommVault Systems Inc. SMART Global Holdings Inc.	398,977 47,338 195,667	3,780 3,704	* Squarespace Inc. Class A * CPI Card Group Inc. * Upland Software Inc. * Freshworks Inc. Class A	8,930 37,477 6,383	171 158 150	inputs.  3 Affiliated money market fund availa and certain trusts and accounts man	ble only to Va	inguard funds
* * * * * *	BigCommerce Holdings Inc. Series 1 CommVault Systems Inc. SMART Global Holdings Inc. Q2 Holdings Inc.	398,977 47,338 195,667 75,500	3,780 3,704 3,277	* Squarespace Inc. Class A * CPI Card Group Inc. * Upland Software Inc.	8,930 37,477	171 158 150 132	inputs.  3 Affiliated money market fund availa and certain trusts and accounts man shown is the 7-day yield.	ble only to Va aged by Vanç	inguard funds guard. Rate
* * * * * * * *	BigCommerce Holdings Inc. Series 1 CommVault Systems Inc. SMART Global Holdings Inc. Q2 Holdings Inc. Rapid7 Inc.	398,977 47,338 195,667 75,500 55,865	3,780 3,704 3,277 3,190	Squarespace Inc. Class A CPI Card Group Inc. Upland Software Inc. Freshworks Inc. Class A Confluent Inc. Class A	8,930 37,477 6,383	171 158 150	inputs. 3 Affiliated money market fund availa and certain trusts and accounts man shown is the 7-day yield. 4 Collateral of \$15,057,000 was received.	ble only to Va aged by Vang ved for securi	inguard funds guard. Rate
* * * * * * * * *	BigCommerce Holdings Inc. Series 1 CommVault Systems Inc. SMART Global Holdings Inc. Q2 Holdings Inc.	398,977 47,338 195,667 75,500	3,780 3,704 3,277	* Squarespace Inc. Class A CPI Card Group Inc. * Upland Software Inc. * Freshworks Inc. Class A * Confluent Inc. Class A Materials (2.5%)	8,930 37,477 6,383	171 158 150 132	inputs.  3 Affiliated money market fund availa and certain trusts and accounts man shown is the 7-day yield.	ble only to Va aged by Vang ved for securi	inguard funds guard. Rate
* * * * * * * * * * * * * * * * * * * *	BigCommerce Holdings Inc. Series 1 CommVault Systems Inc. SMART Global Holdings Inc. Q2 Holdings Inc. Rapid7 Inc. Teradata Corp. RingCentral Inc. Class A UiPath Inc. Class A	398,977 47,338 195,667 75,500 55,865 69,839 85,530 113,289	3,780 3,704 3,277 3,190 3,039 2,904 2,814	* Squarespace Inc. Class A * CPI Card Group Inc. * Upland Software Inc. * Freshworks Inc. Class A * Confluent Inc. Class A  Materials (2.5%) Graphic Packaging	8,930 37,477 6,383 5,624	171 158 150 132 273,575	inputs. 3 Affiliated money market fund availa and certain trusts and accounts man shown is the 7-day yield. 4 Collateral of \$15,057,000 was received.	ble only to Va aged by Vang ved for securi	inguard funds guard. Rate
* * * * * * * * * * * * * * * * * * * *	BigCommerce Holdings Inc. Series 1 CommVault Systems Inc. SMART Global Holdings Inc. O2 Holdings Inc. Rapid7 Inc. Teradata Corp. RingCentral Inc. Class A	398,977 47,338 195,667 75,500 55,865 69,839 85,530	3,780 3,704 3,277 3,190 3,039 2,904	* Squarespace Inc. Class A CPI Card Group Inc. * Upland Software Inc. * Freshworks Inc. Class A * Confluent Inc. Class A Materials (2.5%)	8,930 37,477 6,383	171 158 150 132	inputs. 3 Affiliated money market fund availa and certain trusts and accounts man shown is the 7-day yield. 4 Collateral of \$15,057,000 was received.	ble only to Va aged by Vang ved for securi	inguard funds guard. Rate

Derivative Financial Instruments Outstanding as of Period End						
Futures Contracts						
				(\$000)		
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)		
Long Futures Contracts						
E-mini Russell 2000 Index	March 2024	500	51,193	3,128		

# Statement of Assets and Liabilities As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amount
Assets	
Investments in Securities, at Value <sup>1</sup>	
Unaffiliated Issuers (Cost \$1,428,740)	1,428,220
Affiliated Issuers (Cost \$84,797)	84,785
Total Investments in Securities	1,513,005
Investment in Vanguard	44
Cash	42
Cash Collateral Pledged—Futures Contracts	3,164
Receivables for Investment Securities Sold	627
Receivables for Accrued Income	537
Receivables for Capital Shares Issued	2,022
Total Assets	1,519,441
Liabilities	
Payables for Investment Securities Purchased	1,769
Collateral for Securities on Loan	15,057
Payables to Investment Advisor	216
Payables for Capital Shares Redeemed	362
Payables to Vanguard	142
Variation Margin Payable—Futures Contracts	788
Total Liabilities	18,334
Net Assets	1,501,107
1 Includes \$14,294,000 of securities on loan.	
At December 31, 2023, net assets consisted of:	
Paid-in Capital	1,544,019
Total Distributable Earnings (Loss)	(42,912)
Net Assets	1,501,107
Net Assets	
Applicable to 85,235,537 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	1,501,107
Net Asset Value Per Share	\$17.61

# **Statement of Operations**

De	Year Ended ecember 31, 2023
	(\$000)
Investment Income	
Income	
Dividends <sup>1</sup>	8,517
Interest <sup>2</sup>	2,925
Securities Lending—Net	401
Total Income	11,843
Expenses	
Investment Advisory Fees—Note B	
Basic Fee	1,568
Performance Adjustment	(395)
The Vanguard Group—Note C	
Management and Administrative	2,730
Marketing and Distribution	71
Custodian Fees	23
Auditing Fees	32
Shareholders' Reports	36
Trustees' Fees and Expenses	1
Other Expenses	8
Total Expenses	4,074
Net Investment Income	7,769
Realized Net Gain (Loss)	
Investment Securities Sold <sup>2</sup>	9,215
Futures Contracts	(1,048)
Realized Net Gain (Loss)	8,167
Change in Unrealized Appreciation (Depreciation)	า
Investment Securities <sup>2</sup>	232,583
Futures Contracts	3,606
Change in Unrealized Appreciation (Depreciation)	236,189
Net Increase (Decrease) in Net Ass Resulting from Operations	sets 252,125

<sup>1</sup> Dividends are net of foreign withholding taxes of \$128,000.

## Statement of Changes in Net Assets

	Year Ended December	
	2023 (\$000)	2022 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	7,769	6,362
Realized Net Gain (Loss)	8,167	(58,237)
Change in Unrealized Appreciation (Depreciation)	236,189	(429,646)
Net Increase (Decrease) in Net Assets Resulting from Operations	252,125	(481,521)
Distributions		
Total Distributions	(5,792)	(435,138)
Capital Share Transactions		
Issued	115,017	106,836
Issued in Lieu of Cash Distributions	5,792	435,138
Redeemed	(193,609)	(241,319)
Net Increase (Decrease) from Capital Share Transactions	(72,800)	300,655
Total Increase (Decrease)	173,533	(616,004)
Net Assets		
Beginning of Period	1,327,574	1,943,578
End of Period	1,501,107	1,327,574

<sup>2</sup> Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the portfolio were \$2,824,000, (\$1,000), less than \$1,000, and (\$10,000), respectively. Purchases and sales are for temporary cash investment purposes.

# Financial Highlights

For a Share Outstanding			Year	Ended Dec	ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$14.78	\$26.50	\$24.49	\$23.08	\$20.30
Investment Operations					
Net Investment Income <sup>1</sup>	.089	.073	.056	.102	.128
Net Realized and Unrealized Gain (Loss) on Investments	2.806	(5.677)	3.343	3.521	5.323
Total from Investment Operations	2.895	(5.604)	3.399	3.623	5.451
Distributions					
Dividends from Net Investment Income	(.065)	(.057)	(.101)	(.143)	(.118)
Distributions from Realized Capital Gains	_	(6.059)	(1.288)	(2.070)	(2.553)
Total Distributions	(.065)	(6.116)	(1.389)	(2.213)	(2.671)
Net Asset Value, End of Period	\$17.61	\$14.78	\$26.50	\$24.49	\$23.08
Total Return	19.65%	-25.35%	14.22%	23.18%	28.05%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$1,501	\$1,328	\$1,944	\$2,130	\$2,111
Ratio of Total Expenses to Average Net Assets <sup>2</sup>	0.29%	0.29%	0.30%	0.30%	0.32%
Ratio of Net Investment Income to Average Net Assets	0.55%	0.43%	0.21%	0.52%	0.59%
Portfolio Turnover Rate	59%	64%	57% <sup>3</sup>	53%	58%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> Includes performance-based investment advisory fee increases (decreases) of (0.03%), (0.02%), (0.02%), (0.02%), and 0.01%.

<sup>3</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the portfolio's capital shares.

### Notes to Financial Statements

The Small Company Growth Portfolio, a portfolio of Vanguard Variable Insurance Funds, is registered under the Investment Company Act of 1940 as an open-end investment company. The portfolio's shares are only available for purchase by separate accounts of insurance companies as investments for variable annuity plans, variable life insurance contracts, or other variable benefit insurance contracts.

A. The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The portfolio consistently follows such policies in preparing its financial statements.

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the portfolio's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees. These procedures include obtaining quotations from an independent pricing service, monitoring news to identify significant market- or security-specific events, and evaluating changes in the values of foreign market proxies (for example, ADRs, futures contracts, or exchange-traded funds), between the time the foreign markets close and the portfolio's pricing time. When fair-value pricing is employed, the prices of securities used by a portfolio to calculate its net asset value may differ from quoted or published prices for the same securities. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value.
- 2. Futures Contracts: The portfolio uses index futures contracts to a limited extent, with the objective of maintaining full exposure to the stock market while maintaining liquidity. The portfolio may purchase or sell futures contracts to achieve a desired level of investment, whether to accommodate portfolio turnover or cash flows from capital share transactions. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the portfolio and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the portfolio trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the portfolio's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the portfolio's average investments in long and short futures contracts represented 3% and 0% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

- 3. Federal Income Taxes: The portfolio intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The portfolio's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the portfolio's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the portfolio's financial statements.
- 4. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 5. Securities Lending: To earn additional income, the portfolio lends its securities to qualified institutional borrowers. Security loans are subject to termination by the portfolio at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The portfolio further mitigates its

counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the portfolio may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the portfolio; however, such actions may be subject to legal proceedings. While collateral mitigates counterparty risk, in the event of a default, the portfolio may experience delays and costs in recovering the securities loaned. The portfolio invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the portfolio is entitled to all distributions made on or in respect of the loaned securities.

6. Credit Facilities and Interfund Lending Program: The portfolio and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the portfolio's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the portfolio's board of trustees and included in Management and Administrative expenses on the portfolio's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the portfolio and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the portfolio may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the portfolio's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the portfolio did not utilize the credit facilities or the Interfund Lending Program.

- 7. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.
- **B.** The investment advisory firm ArrowMark Colorado Holdings, LLC, provides investment advisory services to a portion of the portfolio for a fee calculated at an annual percentage rate of average net assets managed by the advisor. The basic fee of ArrowMark Colorado Holdings, LLC, is subject to quarterly adjustments based on performance relative to the Russell 2500 Growth Index for the proceeding five years.

Vanguard provides investment advisory services to a portion of the portfolio as described below; the portfolio paid Vanguard advisory fees of \$199,000 for the year ended December 31, 2023.

For the year ended December 31, 2023, the aggregate investment advisory fee paid to all advisors represented an effective annual rate of 0.11% of the portfolio's average net assets, before a net decrease of \$395,000 (0.03%) based on performance.

C. In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the portfolio, Vanguard furnishes to the portfolio investment advisory, corporate management,

administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the portfolio based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the portfolio may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the portfolio had contributed to Vanguard capital in the amount of \$44,000, representing less than 0.01% of the portfolio's net assets and 0.02% of Vanguard's capital received pursuant to the FSA. The portfolio's trustees and officers are also directors and employees, respectively, of Vanguard.

**D.** Various inputs may be used to determine the value of the portfolio's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.

Level 1—Quoted prices in active markets for identical securities.

Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

**Level 3**—Significant unobservable inputs (including the portfolio's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the portfolio's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)	Total (\$000)
1,428,145	_	75	1,428,220
84,785	_	_	84,785
1,512,930	_	75	1,513,005
3,128	_	_	3,128
	(\$000) 1,428,145 84,785 1,512,930	(\$000) (\$000) 1,428,145 — 84,785 — 1,512,930 —	(\$000) (\$000) (\$000) 1,428,145 — 75 84,785 — — 1,512,930 — 75

<sup>1</sup> Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

E. Permanent differences between book-basis and tax-basis components of net assets, if any, are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share.

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to capital loss carryforwards; the deferral of losses from wash sales; and the recognition of unrealized gains or losses from certain derivative contracts. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

	Amount (\$000)
Undistributed Ordinary Income	7,499
Undistributed Long-Term Gains	_
Net Unrealized Gains (Losses)	(9,485)
Capital Loss Carryforwards	(40,926)
Qualified Late-Year Losses	_
Other Temporary Differences	
Total	(42,912)

The tax character of distributions paid was as follows:

Total	5,792 435,138
Long-Term Capital Gains	— 316,438
Ordinary Income*	5,792 118,700
	2023 2022 Amount Amount (\$000) (\$000
	Year Ended December 31,

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	1,522,491
Gross Unrealized Appreciation	215,923
Gross Unrealized Depreciation	(225,408)
Net Unrealized Appreciation (Depreciation)	(9,485)

F. During the year ended December 31, 2023, the portfolio purchased \$801,736,000 of investment securities and sold \$881,200,000 of investment securities, other than temporary cash investments.

The portfolio purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$323,000 and sales were \$4,415,000, resulting in net realized gain of \$1,664,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

G. Capital shares issued and redeemed were:

	Year Ended December 31		
	2023 Shares (000)	2022 Shares (000)	
Issued	7,090	6,280	
Issued in Lieu of Cash Distributions	372	24,081	
Redeemed	(12,073)	(13,856)	
Net Increase (Decrease) in Shares Outstanding	(4,611)	16,505	

H. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the portfolio's investments and portfolio performance.

To the extent the portfolio's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the portfolio may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the portfolio to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the portfolio's use of derivative(s) and the specific risks associated is described under significant accounting policies.

At December 31, 2023, one shareholder (an insurance company separate account whose holdings in the portfolio represent the indirect investment of Vanguard Variable Annuity contract holders) was the record or beneficial owner of 52% of the portfolio's net assets. If this shareholder were to redeem its investment in the portfolio, the redemption might result in an increase in the portfolio's expense ratio, cause the portfolio to incur higher transaction costs, or lead to the realization of taxable capital gains.

I. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

# Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Variable Insurance Funds and Shareholders of Small Company Growth Portfolio

#### **Opinion on the Financial Statements**

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Small Company Growth Portfolio (one of the portfolios constituting Vanguard Variable Insurance Funds, referred to hereafter as the "Portfolio") as of December 31, 2023, the related statement of operations for the year ended December 31, 2023, the statement of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2023, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2023 and the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

#### Basis for Opinion

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 15, 2024

We have served as the auditor of one or more investment companies in The Vanguard Group of Funds since 1975.

#### Tax information (unaudited)

For corporate shareholders, 87.7%, or if subsequently determined to be different, the maximum percentage allowable by law, of ordinary income (dividend income plus short-term gains, if any) for the fiscal year qualified for the dividends-received deduction.

The portfolio hereby designates \$746,000, or if subsequently determined to be different, the maximum amount allowable by law, of interest earned from obligations of the U.S. government which is generally exempt from state income tax.

### Trustees Approve Advisory Arrangement

The board of trustees of Vanguard Variable Insurance Funds Small Company Growth Portfolio has renewed the portfolio's investment advisory arrangements with ArrowMark Colorado Holdings, LLC (ArrowMark Partners). The board determined that renewing the portfolio's advisory arrangements was in the best interests of the portfolio and its shareholders. The Vanguard Group, Inc. (Vanguard), through its Quantitative Equity Group, is also an advisor to the fund.

The board based its decision upon an evaluation of the advisor's investment staff, portfolio management process, and performance. This evaluation included information provided to the board by Vanguard's Portfolio Review Department, which is responsible for fund and advisor oversight and product management. The Portfolio Review Department met regularly with the advisors and made presentations to the board during the fiscal year that directed the board's focus to relevant information and topics.

The board, or an investment committee made up of board members, also received information throughout the year during advisor presentations. For each advisor presentation, the board was provided with letters and reports that included information about, among other things, the advisory firm and the advisor's assessment of the investment environment, portfolio performance, and portfolio characteristics.

In addition, the board received periodic reports throughout the year, which included information about the portfolio's performance relative to its peers and benchmark, as applicable, and updates, as needed, on the Portfolio Review Department's ongoing assessment of the advisor.

Prior to their meeting, the trustees were provided with a memo and materials that summarized the information they received over the course of the year. They also considered the factors discussed below, among others. However, no single factor determined whether the board approved the arrangements. Rather, it was the totality of the circumstances that drove the board's decisions.

#### Nature, extent, and quality of services

The board reviewed the quality of the portfolio's investment management services over both the short and long term, and took into account the organizational depth and stability of each advisor. The board considered that ArrowMark Partners, founded in 2007, offers a wide range of investment strategies—including equity, fixed income, and structured products—to institutional, high-net-worth, and individual investors. ArrowMark Partners has managed a portion of the portfolio since 2016.

The board concluded that the advisor's experience, stability, depth, and performance, among other factors, warranted continuation of the advisory arrangement.

#### Investment performance

The board considered the performance of the portfolio, including any periods of outperformance or underperformance compared with a relevant benchmark index and peer group. The board concluded that the performance was such that the advisory arrangement should continue.

#### Cost

The board concluded that the portfolio's expense ratio was below the average expense ratio charged by funds in its peer group and that the portfolio's advisory fee rate was also below the peer-group average.

The board did not consider the profitability of ArrowMark Partners in determining whether to approve the advisory fee, because the firm is independent of Vanguard and the advisory fee is the result of arm's-length negotiations.

#### The benefit of economies of scale

The board concluded that the portfolio realizes economies of scale that are built into the negotiated advisory fee rate with ArrowMark Partners without any need for asset-level breakpoints. The advisory fee rate is very low relative to the average rate paid by funds in the portfolio's peer group.

The board will consider whether to renew the advisory arrangement again after a one-year period.

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### The People Who Govern Your Fund

The trustees of your mutual fund are there to see that the fund is operated and managed in your best interests since, as a shareholder, you are a part owner of the fund. Your fund's trustees also serve on the board of directors of The Vanguard Group, Inc., which is owned by the Vanguard funds and provides services to them.

A majority of Vanguard's board members are independent, meaning that they have no affiliation with Vanguard or the funds they oversee, apart from the sizable personal investments they have made as private individuals. The independent board members have distinguished backgrounds in business, academia, and public service. Each of the trustees and executive officers oversees 208 Vanguard funds.

Information for each trustee and executive officer of the fund appears below. That information, as well as the Vanguard fund count, is as of the date on the cover of this fund report. The mailing address of the trustees and officers is P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the *Statement of Additional Information*, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at vanguard.com.

#### Interested Trustee<sup>1</sup>

#### Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chairman of the board (2019-present) of Vanguard and of each of the investment companies served by Vanguard; chief executive officer (2018-present) of Vanguard; chief executive officer, president, and trustee (2018-present) of each of the investment companies served by Vanguard; president and director (2017-present) of Vanguard; and president (2018-present) of Vanguard Marketing Corporation. Chief investment officer (2013-2017), managing director (2002-2017), head of the Retail Investor Group (2006-2012), and chief information officer (2001-2006) of Vanguard. Member of the board of governors of the Investment Company Institute and the board of governors of FINRA.

#### Independent Trustees

#### Tara Bunch

Born in 1962. Trustee since November 2021. Principal occupation(s) during the past five years and other experience: head of global operations at Airbnb (2020–present). Vice president of AppleCare (2012–2020). Member of the board of directors of Out & Equal, the advisory board of the University of California, Berkeley School of Engineering, and the advisory board of Santa Clara University's Leavey School of Business.

#### Emerson U. Fullwood

Born in 1948. Trustee since January 2008. Principal occupation(s) during the past five years and other experience: executive chief staff and marketing officer for North America and corporate vice president (retired 2008) of Xerox Corporation (document management products and services). Former president of the Worldwide Channels Group, Latin America, and Worldwide Customer Service and executive chief staff officer of Developing Markets of Xerox. Executive in residence and 2009-2010 Distinguished Minett Professor at the Rochester Institute of Technology. Member of the board of directors of the University of Rochester Medical Center, the Monroe Community College Foundation, the United Way of Rochester, North Carolina A&T University, Roberts Wesleyan College, and the Rochester Philharmonic Orchestra. Trustee of the University of Rochester.

#### F. Joseph Loughrey

Born in 1949. Trustee since October 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer

(retired 2009) and vice chairman of the board (2008–2009) of Cummins Inc. (industrial machinery). Director of the V Foundation. Member of the advisory council for the College of Arts and Letters at the University of Notre Dame. Chairman of the board of Saint Anselm College.

#### Mark Loughridge

Born in 1953. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: senior vice president and chief financial officer (retired 2013) of IBM (information technology services). Fiduciary member of IBM's Retirement Plan Committee (2004–2013), senior vice president and general manager (2002–2004) of IBM Global Financing, vice president and controller (1998–2002) of IBM, and a variety of other prior management roles at IBM. Member of the Council on Chicago Booth.

#### Scott C. Malpass

Born in 1962. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: co-founder and managing partner (2022–present) of Grafton Street Partners (investment advisory firm). Chief investment officer (retired 2020) and vice president (retired 2020) of the University of Notre Dame. Chair of the board of Catholic Investment Services, Inc. (investment advisors). Member of the board of superintendence of the Institute for the Works of Religion, the Notre Dame 403(b) Investment Committee, and the board of directors of Paxos Trust Company (finance).

#### Deanna Mulligan

Born in 1963. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chief executive officer of Purposeful (advisory firm for CEOs and C-level executives; 2021–present). Board chair (2020), chief executive officer (2011–2020), and president (2010–2019) of The Guardian Life Insurance Company of America. Chief operating officer (2010–2011) and executive vice president (2008–2010) of Individual Life and Disability of the Guardian Life Insurance Company of America. Director of DuPont. Member of the board of the Economic Club of New York. Trustee of the Partnership for New York City (business leadership), Chief Executives for Corporate Purpose, and the NewYork-Presbyterian Hospital.

#### André F. Perold

Born in 1952. Trustee since December 2004. Principal occupation(s) during the past five years and other experience: George Gund Professor of Finance and Banking, Emeritus at the Harvard Business School (retired 2011). Chief investment officer and partner of HighVista Strategies (private investment firm).

Member of the board of RIT Capital Partners (investment firm).

#### Sarah Bloom Raskin

Born in 1961. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: deputy secretary (2014–2017) of the United States Department of the Treasury. Governor (2010–2014) of the Federal Reserve Board. Commissioner (2007–2010) of financial regulation for the State of Maryland. Colin W. Brown Distinguished Professor of the Practice of Law, Duke Law School (2021–present); Rubenstein Fellow, Duke University (2017–2020); Distinguished Fellow of the Global Financial Markets Center, Duke Law School (2020–2022); and Senior Fellow, Duke Center on Risk (2020–present). Partner of Kaya Partners (climate policy advisory services). Member of the board of directors of Arcadia (energy solution technology).

#### **Grant Reid**

Born in 1959. Trustee since July 2023. Principal occupation(s) during the past five years and other experience: chief executive officer and president (2014–2022) and member of the board of directors (2015–2022) of Mars, Incorporated (multinational manufacturer). Member of the board of directors of Marriott International, Inc. Chair of Agribusiness Task Force, Sustainable Markets Initiative.

#### **David Thomas**

Born in 1956. Trustee since July 2021. Principal occupation(s) during the past five years and other experience: president of Morehouse College (2018–present). Professor of business administration, emeritus at Harvard University (2017–2018). Dean (2011–2016) and professor of management (2016–2017) at the Georgetown University McDonough School of Business. Director of DTE Energy Company. Trustee of Common Fund.

#### Peter F. Volanakis

Born in 1955. Trustee since July 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2010) of Corning Incorporated (communications equipment) and director of Corning Incorporated (2000–2010) and Dow Corning (2001–2010). Director (2012) of SPX Corporation (multi-industry manufacturing). Overseer of the Amos Tuck School of Business Administration, Dartmouth College (2001–2013). Member of the BMW Group Mobility Council.

#### **Executive Officers**

#### Jacqueline Angell

Born in 1974. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief compliance officer (November 2022–present) of Vanguard and of each of the investment companies served by Vanguard. Chief compliance officer (2018–2022) and deputy chief compliance officer (2017–2019) of State Street.

#### Christine M. Buchanan

Born in 1970. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief financial officer (2021–present) and treasurer (2017–2022) of each of the investment companies served by Vanguard. Partner (2005–2017) at KPMG (audit, tax, and advisory services).

#### John Galloway

Born in 1973. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Investment stewardship officer (September 2020–present) of each of the investment companies served by Vanguard. Head of Investor Advocacy (February 2020–present) and head of Marketing Strategy and Planning (2017–2020) at Vanguard. Special assistant to the President of the United States (2015).

#### Ashley Grim

Born in 1984. Principal occupation(s) during the past five years and other experience: treasurer (February 2022–present) of each of the investment companies served by Vanguard. Fund transfer agent controller (2019–2022) and director of Audit Services (2017–2019) at Vanguard. Senior manager (2015–2017) at PriceWaterhouseCoopers (audit and assurance, consulting, and tax services).

#### Jodi Miller

Born in 1980. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Finance director (2022–present) of each of the investment companies served by Vanguard. Head of Enterprise Investment Services (2020–present), head of Retail Client Services and Operations (2020–2022), and head of Retail Strategic Support (2018–2020) at Vanguard.

#### Anne F. Robinson

Born in 1970. Principal occupation(s) during the past five years and other experience: general counsel (2016–present) of Vanguard. Secretary (2016–present) of Vanguard and of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Managing director and general counsel of Global Cards and Consumer Services (2014–2016) at Citigroup. Counsel (2003–2014) at American Express. Nonexecutive director (2022–present) of the board of National Grid (energy).

#### Michael Rollings

Born in 1963. Principal occupation(s) during the past five years and other experience: finance director (2017–present) and treasurer (2017) of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Chief financial officer (2016–present) of Vanguard. Director (2016–present) of Vanguard Marketing Corporation. Executive vice president and chief financial officer (2006–2016) of MassMutual Financial Group.

#### Vanguard Senior Management Team

Matthew Benchener Joseph Brennan Mortimer J. Buckley Gregory Davis John James Chris D. McIsaac Thomas M. Rampulla Karin A. Risi Anne E. Robinson Michael Rollings Nitin Tandon Lauren Valente

# **Vanguard**

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All comparative mutual fund data are from Morningstar, Inc., unless otherwise noted.

You can obtain a free copy of Vanguard's proxy voting guidelines by visiting vanguard.com/proxyreporting or by calling Vanguard at 800-662-2739. The guidelines are also available from the SEC's website, www.sec.gov. In addition, you may obtain a free report on how your fund voted the proxies for securities it owned during the 12 months ended June 30. To get the report, visit either vanguard.com/proxyreporting or www.sec.gov.

You can review information about your fund on the SEC's website, and you can receive copies of this information, for a fee, by sending a request via email addressed to publicinfo@sec.gov.

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