

Semiannual report

John Hancock Multimanager Lifetime Portfolios

Target date

February 29, 2024

Beginning on July 24, 2024, as required by regulations adopted by the U.S. Securities and Exchange Commission, open-end mutual funds and ETFs will transmit tailored annual and semiannual reports to shareholders that highlight key information deemed important for retail investors to assess and monitor their fund investments. Other information, including financial statements, will no longer appear in shareholder reports transmitted to shareholders, but must be available online, delivered free of charge upon request, and filed on a semiannual basis on Form N-CSR.

A message to shareholders



Dear shareholder,

Both stocks and bonds largely posted gains during the six months ended February 29, 2024. Concerns that interest rates would need to stay higher for longer led to a sharp increase in bond yields and weighed heavily on investor sentiment through late October. These worries rapidly dissipated in November, however, following a stretch of favorable inflation readings and more dovish comments from central bank officials. Stocks moved quickly off their previous lows in response and the U.S. Federal Reserve added fuel to the rally in December by indicating that the central bank may begin to cut rates later in 2024. Stocks surged in response, and the momentum continued through the end of the period. International stocks also gained, but their performance wasn't as robust. Short- and intermediate-term bond yields fell, while longer-term yields were flat to slightly higher. High-yield and investment-grade corporate bonds delivered the strongest returns for the period.

In these uncertain times, your financial professional can assist with positioning your portfolio so that it's sufficiently diversified to help meet your long-term objectives and to withstand the inevitable bouts of market volatility along the way.

On behalf of everyone at John Hancock Investment Management, I'd like to take this opportunity to welcome new shareholders and thank existing shareholders for the continued trust you've placed in us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kristie M. Feinberg'.

Kristie M. Feinberg

Head of Wealth and Asset Management,
United States and Europe
Manulife Investment Management

President and CEO,
John Hancock Investment Management

This commentary reflects the CEO's views as of this report's period end and are subject to change at any time. Diversification does not guarantee investment returns and does not eliminate risk of loss. All investments entail risks, including the possible loss of principal. For more up-to-date information, you can visit our website at jhinvestments.com.

John Hancock

Multimanager Lifetime Portfolios

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Multimanager Lifetime Portfolios' strategy at a glance

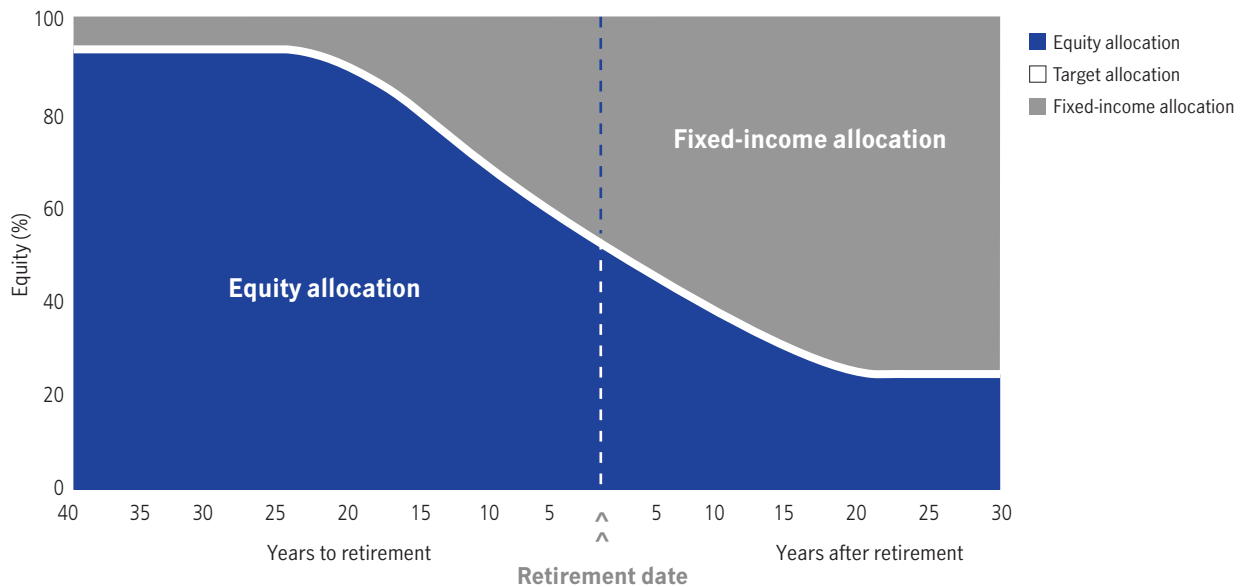
A SIMPLE, STRATEGIC PATH TO HELP YOU REACH YOUR RETIREMENT GOALS

Multimanager Lifetime Portfolios make diversification easy because the asset mix of each portfolio automatically changes over time.

- Portfolios with dates further off initially invest more aggressively in stock funds.
- As a portfolio approaches its target date,¹ the allocation will gradually migrate to more conservative fixed-income funds.
- Once the target date is reached, the allocation will continue to become increasingly conservative until it reaches the end of its glide path, investing primarily in fixed-income funds.

JOHN HANCOCK MULTIMANAGER LIFETIME PORTFOLIOS—AUTOMATICALLY ADJUST OVER TIME²

The chart below illustrates how the asset allocation mix of John Hancock Multimanager Lifetime Portfolios adjusts over time.



The principal value of each portfolio is not guaranteed and you could lose money at any time, including at or after the target date.

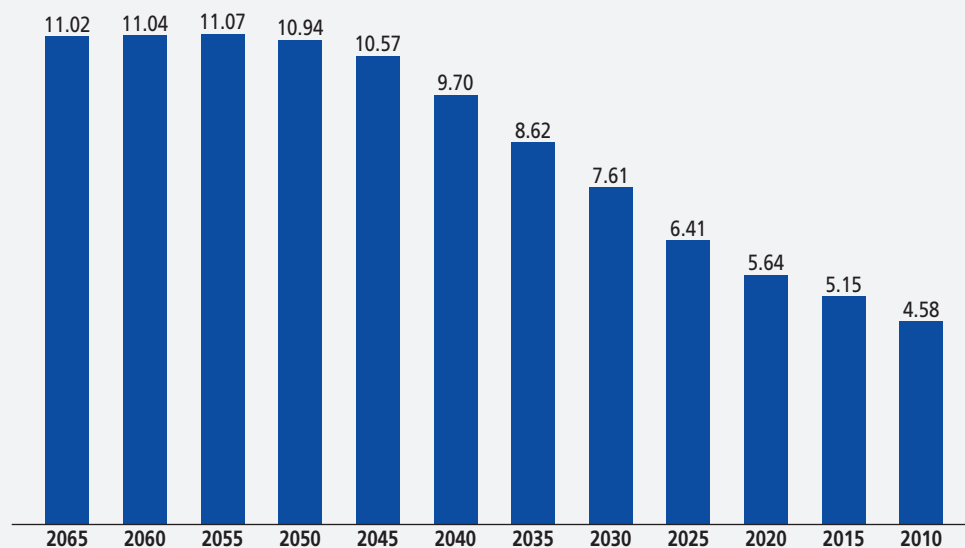
¹ Based on an estimated retirement date.

² Allocations may vary as a result of market activity or cash allocations held during unusual market or economic conditions.

Portfolio summary

MULTIMANAGER 2065-2010 LIFETIME PORTFOLIOS' CLASS A SHARE RETURNS (%)

For the six months ended 2/29/2024



Total returns for the portfolios exclude sales charges and assume all distributions are reinvested. The deduction of a class' maximum sales charge would reduce the performance shown above.

Past performance does not guarantee future results.

MARKET INDEX TOTAL RETURNS

For the six months ended 2/29/2024

U.S. Stocks	S&P 500 Index	13.93%
	Russell Midcap Index	11.53%
	Russell 2000 Index	8.97%
	FTSE NAREIT All Equity REIT Index	6.35%
International Stocks	MSCI EAFE Index	9.23%
	MSCI Emerging Markets Index	4.93%
	MSCI EAFE Small Cap Index	4.87%
Fixed Income	Bloomberg U.S. Aggregate Bond Index	2.35%
	ICE Bank of America U.S. High Yield Index	6.15%
	JPMorgan Global Government Bonds Unhedged Index	1.15%

Market index total returns are included here as broad measures of market performance.

Multimanager 2065 Lifetime Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	91.4
Equity	86.9
U.S. large cap	27.2
International equity	23.1
Large blend	16.8
U.S. mid cap	10.9
Emerging-market equity	5.9
U.S. small cap	2.1
Sector equity	0.9
Fixed income	2.4
Short-term bond	1.3
High yield bond	0.6
Emerging-market debt	0.5
Alternative and specialty	2.1
Sector equity	2.1
Unaffiliated investment companies	6.5
Equity	6.5
U.S. Government	1.9
Short-term investments and other	0.2

Multimanager 2060 Lifetime Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	91.2
Equity	86.8
U.S. large cap	27.0
International equity	22.9
Large blend	16.8
U.S. mid cap	10.9
Emerging-market equity	6.2
U.S. small cap	2.1
Sector equity	0.9
Fixed income	2.3
Short-term bond	1.2
Emerging-market debt	0.6
High yield bond	0.5
Alternative and specialty	2.1
Sector equity	2.1
Unaffiliated investment companies	6.6
Equity	6.6
U.S. Government	2.0
Short-term investments and other	0.2

Multimanager 2055 Lifetime Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	91.3
Equity	86.9

ASSET ALLOCATION (% of net assets)

U.S. large cap	27.0
International equity	22.8
Large blend	16.9
U.S. mid cap	10.9
Emerging-market equity	6.3
U.S. small cap	2.1
Sector equity	0.9
Fixed income	2.3
Short-term bond	1.2
Emerging-market debt	0.6
High yield bond	0.5
Alternative and specialty	2.1
Sector equity	2.1
Unaffiliated investment companies	6.5
Equity	6.5
U.S. Government	2.0
Short-term investments and other	0.2

Multimanager 2050 Lifetime Portfolio**ASSET ALLOCATION (% of net assets)**

Affiliated investment companies	91.2
Equity	86.9
U.S. large cap	26.9
International equity	22.7
Large blend	17.1
U.S. mid cap	10.9
Emerging-market equity	6.4
U.S. small cap	2.0
Sector equity	0.9
Fixed income	2.2
Short-term bond	1.2
Emerging-market debt	0.5
High yield bond	0.5
Alternative and specialty	2.1
Sector equity	2.1
Unaffiliated investment companies	6.6
Equity	6.6
U.S. Government	2.1
Short-term investments and other	0.1

Multimanager 2045 Lifetime Portfolio**ASSET ALLOCATION (% of net assets)**

Affiliated investment companies	91.0
Equity	82.6
U.S. large cap	25.7
International equity	22.2
Large blend	16.3
U.S. mid cap	10.0
Emerging-market equity	5.8
U.S. small cap	1.7
Sector equity	0.9
Fixed income	5.3

ASSET ALLOCATION (% of net assets)

Intermediate bond	2.5
Short-term bond	1.1
Emerging-market debt	1.0
High yield bond	0.7
Alternative and specialty	3.1
Sector equity	3.1
Unaffiliated investment companies	6.2
Equity	6.2
U.S. Government	2.6
Short-term investments and other	0.2

Multimanager 2040 Lifetime Portfolio**ASSET ALLOCATION (% of net assets)**

Affiliated investment companies	90.9
Equity	74.7
U.S. large cap	22.2
International equity	21.6
Large blend	15.4
U.S. mid cap	8.5
Emerging-market equity	4.8
U.S. small cap	1.4
Sector equity	0.8
Fixed income	11.7
Intermediate bond	7.1
Emerging-market debt	1.9
High yield bond	1.3
Short-term bond	1.0
Multi-sector bond	0.4
Alternative and specialty	4.5
Sector equity	4.5
Unaffiliated investment companies	5.5
Equity	5.5
U.S. Government	3.4
Short-term investments and other	0.2

Multimanager 2035 Lifetime Portfolio**ASSET ALLOCATION (% of net assets)**

Affiliated investment companies	90.9
Equity	65.8
International equity	20.3
U.S. large cap	19.7
Large blend	12.8
U.S. mid cap	7.0
Emerging-market equity	4.1
U.S. small cap	1.1
Sector equity	0.8
Fixed income	19.3

ASSET ALLOCATION (% of net assets)

Intermediate bond	12.5
Emerging-market debt	3.0
High yield bond	2.0
Short-term bond	1.0
Multi-sector bond	0.8
Alternative and specialty	5.8
Sector equity	5.8
Unaffiliated investment companies	4.6
Equity	4.6
U.S. Government	4.3
Short-term investments and other	0.2

Multimanager 2030 Lifetime Portfolio**ASSET ALLOCATION (% of net assets)**

Affiliated investment companies	89.8
Equity	54.4
International equity	19.2
U.S. large cap	15.2
Large blend	10.4
U.S. mid cap	5.5
Emerging-market equity	2.9
Sector equity	0.7
U.S. small cap	0.5
Fixed income	28.1
Intermediate bond	15.4
Emerging-market debt	3.6
Short-term bond	3.1
Multi-sector bond	2.8
High yield bond	2.4
Bank loan	0.8
Alternative and specialty	7.3
Sector equity	7.3
Unaffiliated investment companies	4.2
Equity	4.2
U.S. Government	5.8
Short-term investments and other	0.2

Multimanager 2025 Lifetime Portfolio**ASSET ALLOCATION (% of net assets)**

Affiliated investment companies	90.0
Equity	41.7
International equity	16.6
U.S. large cap	11.3
Large blend	6.9
U.S. mid cap	4.0
Emerging-market equity	1.8
Sector equity	0.6
U.S. small cap	0.5
Fixed income	39.6

ASSET ALLOCATION (% of net assets)

Intermediate bond	20.8
Short-term bond	5.2
Emerging-market debt	4.6
Multi-sector bond	4.5
High yield bond	3.1
Bank loan	1.4
Alternative and specialty	8.7
Sector equity	8.7
Unaffiliated investment companies	3.1
Equity	3.1
U.S. Government	6.7
Short-term investments and other	0.2

Multimanager 2020 Lifetime Portfolio**ASSET ALLOCATION (% of net assets)**

Affiliated investment companies	89.9
Equity	33.9
International equity	15.1
U.S. large cap	7.7
Large blend	6.1
U.S. mid cap	2.8
Emerging-market equity	1.1
Sector equity	0.6
U.S. small cap	0.5
Fixed income	47.1
Intermediate bond	24.7
Short-term bond	7.2
Emerging-market debt	5.1
Multi-sector bond	4.7
High yield bond	3.4
Bank loan	2.0
Alternative and specialty	8.9
Sector equity	8.9
Unaffiliated investment companies	2.4
Equity	2.4
U.S. Government	7.4
Short-term investments and other	0.3

Multimanager 2015 Lifetime Portfolio**ASSET ALLOCATION (% of net assets)**

Affiliated investment companies	89.7
Equity	29.0
International equity	13.6
U.S. large cap	7.8
Large blend	5.3
U.S. mid cap	1.8
Emerging-market equity	0.5
Fixed income	53.2

ASSET ALLOCATION (% of net assets)

Intermediate bond	27.5
Short-term bond	9.1
Emerging-market debt	5.4
Multi-sector bond	5.0
High yield bond	3.6
Bank loan	2.6
Alternative and specialty	7.5
Sector equity	7.5
Unaffiliated investment companies	2.3
Equity	2.3
U.S. Government	7.9
Short-term investments and other	0.1

Multimanager 2010 Lifetime Portfolio**ASSET ALLOCATION (% of net assets)**

Affiliated investment companies	89.6
Equity	22.9
International equity	12.0
U.S. large cap	6.1
Large blend	3.9
U.S. mid cap	0.9
Fixed income	59.2
Intermediate bond	29.7
Short-term bond	11.5
Emerging-market debt	5.7
Multi-sector bond	5.3
High yield bond	3.8
Bank loan	3.2
Alternative and specialty	7.5
Sector equity	7.5
Unaffiliated investment companies	1.7
Equity	1.7
U.S. Government	8.5
Short-term investments and other	0.2

Notes about risk

The portfolios may be subject to various risks as described in the portfolios' prospectuses. Political tensions, armed conflicts, and any resulting economic sanctions on entities and/or individuals of a particular country could lead such a country into an economic recession. A widespread health crisis such as a global pandemic could cause substantial market volatility, exchange trading suspensions and closures, which may lead to less liquidity in certain instruments, industries, sectors or the markets generally, and may ultimately affect portfolio performance. For more information, please refer to the "Principal risks" section of the prospectuses.

Your expenses

As a shareholder of a John Hancock Funds II Multimanager Lifetime Portfolio, you incur two types of costs: (1) transaction costs, including sales charges (loads) on certain purchases or redemptions, and (2) ongoing costs, including management fees, distribution and service (Rule 12b-1) fees, and other portfolio expenses. In addition to the operating expenses which each portfolio bears directly, each portfolio indirectly bears a pro rata share of the operating expenses of the underlying funds in which each portfolio invests. Because underlying funds have varied operating expenses and transaction costs, and a portfolio may own different proportions of the underlying funds at different times, the amount of expenses incurred indirectly by the portfolio will vary. Had these indirect expenses been reflected in the following analysis, total expenses would have been higher than the amounts shown.

These examples are intended to help you understand your ongoing costs (in dollars) of investing in a portfolio so you can compare these costs with the ongoing costs of investing in other mutual funds. The examples are based on an investment of \$1,000 at the beginning of the period and held for the entire period (September 1, 2023 through February 29, 2024).

Actual expenses:

The first line of each share class in the following table provides information about actual account values and actual expenses. You may use the information in this line, 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 first line under the heading entitled "Expenses paid during period ended" to estimate the expenses you paid on your account during this period.

Hypothetical example for comparison purposes:

The second line of each share class in the following table provides information about hypothetical account values and hypothetical expenses based on the actual expense ratio for the share class and an assumed annualized rate of return of 5% per year before expenses, which is not the actual return of the share class. 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 a 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. Please remember that these hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transactional costs. Therefore, the second line of each share class in the table is useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if these transactional costs were included, your costs would have been higher. See the portfolios' prospectuses for details regarding transaction costs.

SHAREHOLDER EXPENSE EXAMPLE CHART

		Account value on 9-1-2023	Ending value on 2-29-2024	Expenses paid during period ended 2-29-2024 ¹	Annualized expense ratio ²
Multimanager 2065 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,110.20	\$2.20	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,111.20	0.63	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,110.80	1.36	0.26%
	Hypothetical example	1,000.00	1,023.60	1.31	0.26%
Class R4	Actual expenses/actual returns	1,000.00	1,111.00	0.79	0.15%
	Hypothetical example	1,000.00	1,024.10	0.75	0.15%
Class R5	Actual expenses/actual returns	1,000.00	1,111.90	0.21	0.04%
	Hypothetical example	1,000.00	1,024.70	0.20	0.04%
Class R6	Actual expenses/actual returns	1,000.00	1,112.30	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,112.00	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%

SHAREHOLDER EXPENSE EXAMPLE CHART (continued)

		Account value on 9-1-2023	Ending value on 2-29-2024	Expenses paid during period ended 2-29-2024 ¹	Annualized expense ratio ²
Multimanager 2060 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,110.40	\$2.20	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,112.20	0.63	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,109.60	2.68	0.51%
	Hypothetical example	1,000.00	1,022.30	2.56	0.51%
Class R4	Actual expenses/actual returns	1,000.00	1,111.60	0.95	0.18%
	Hypothetical example	1,000.00	1,024.00	0.91	0.18%
Class R5	Actual expenses/actual returns	1,000.00	1,112.00	0.32	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
Class R6	Actual expenses/actual returns	1,000.00	1,112.30	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,112.00	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
Multimanager 2055 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,110.70	\$2.20	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,111.40	0.63	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,108.90	2.62	0.50%
	Hypothetical example	1,000.00	1,022.40	2.51	0.50%
Class R4	Actual expenses/actual returns	1,000.00	1,111.20	0.84	0.16%
	Hypothetical example	1,000.00	1,024.10	0.81	0.16%
Class R5	Actual expenses/actual returns	1,000.00	1,111.90	0.32	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
Class R6	Actual expenses/actual returns	1,000.00	1,112.40	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,111.00	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
Multimanager 2050 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,109.40	\$2.20	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,111.10	0.63	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,109.50	2.57	0.49%
	Hypothetical example	1,000.00	1,022.40	2.46	0.49%
Class R4	Actual expenses/actual returns	1,000.00	1,110.90	1.31	0.25%
	Hypothetical example	1,000.00	1,023.60	1.26	0.25%
Class R5	Actual expenses/actual returns	1,000.00	1,111.60	0.32	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
Class R6	Actual expenses/actual returns	1,000.00	1,113.00	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,111.90	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%

SHAREHOLDER EXPENSE EXAMPLE CHART (continued)

		Account value on 9-1-2023	Ending value on 2-29-2024	Expenses paid during period ended 2-29-2024 ¹	Annualized expense ratio ²
Multimanager 2045 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,105.70	\$2.20	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,106.50	0.63	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,105.30	2.62	0.50%
	Hypothetical example	1,000.00	1,022.40	2.51	0.50%
Class R4	Actual expenses/actual returns	1,000.00	1,105.70	1.31	0.25%
	Hypothetical example	1,000.00	1,023.60	1.26	0.25%
Class R5	Actual expenses/actual returns	1,000.00	1,106.70	0.31	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
Class R6	Actual expenses/actual returns	1,000.00	1,107.60	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,108.20	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
Multimanager 2040 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,097.00	\$2.19	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,099.00	0.63	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,096.80	2.61	0.50%
	Hypothetical example	1,000.00	1,022.40	2.51	0.50%
Class R4	Actual expenses/actual returns	1,000.00	1,097.30	1.30	0.25%
	Hypothetical example	1,000.00	1,023.60	1.26	0.25%
Class R5	Actual expenses/actual returns	1,000.00	1,098.30	0.31	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
Class R6	Actual expenses/actual returns	1,000.00	1,099.20	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,098.60	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
Multimanager 2035 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,086.20	\$2.18	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,088.80	0.62	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,087.00	2.65	0.51%
	Hypothetical example	1,000.00	1,022.30	2.56	0.51%
Class R4	Actual expenses/actual returns	1,000.00	1,088.80	1.09	0.21%
	Hypothetical example	1,000.00	1,023.80	1.06	0.21%
Class R5	Actual expenses/actual returns	1,000.00	1,088.90	0.31	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
Class R6	Actual expenses/actual returns	1,000.00	1,088.40	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,089.00	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%

SHAREHOLDER EXPENSE EXAMPLE CHART (continued)

		Account value on 9-1-2023	Ending value on 2-29-2024	Expenses paid during period ended 2-29-2024 ¹	Annualized expense ratio ²
Multimanager 2030 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,076.10	\$2.17	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,078.20	0.62	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,076.00	2.58	0.50%
	Hypothetical example	1,000.00	1,022.40	2.51	0.50%
Class R4	Actual expenses/actual returns	1,000.00	1,075.90	1.29	0.25%
	Hypothetical example	1,000.00	1,023.60	1.26	0.25%
Class R5	Actual expenses/actual returns	1,000.00	1,077.70	0.31	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
Class R6	Actual expenses/actual returns	1,000.00	1,078.20	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,077.70	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
Multimanager 2025 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,064.10	\$2.16	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,066.20	0.62	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,062.60	2.62	0.51%
	Hypothetical example	1,000.00	1,022.30	2.56	0.51%
Class R4	Actual expenses/actual returns	1,000.00	1,063.50	1.33	0.26%
	Hypothetical example	1,000.00	1,023.60	1.31	0.26%
Class R5	Actual expenses/actual returns	1,000.00	1,065.70	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
Class R6	Actual expenses/actual returns	1,000.00	1,066.30	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,065.70	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
Multimanager 2020 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,056.40	\$2.15	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,059.30	0.61	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,057.20	2.46	0.48%
	Hypothetical example	1,000.00	1,022.50	2.41	0.48%
Class R4	Actual expenses/actual returns	1,000.00	1,057.00	1.28	0.25%
	Hypothetical example	1,000.00	1,023.60	1.26	0.25%
Class R5	Actual expenses/actual returns	1,000.00	1,058.70	0.31	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
Class R6	Actual expenses/actual returns	1,000.00	1,059.40	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,058.90	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%

SHAREHOLDER EXPENSE EXAMPLE CHART (continued)

		Account value on 9-1-2023	Ending value on 2-29-2024	Expenses paid during period ended 2-29-2024 ¹	Annualized expense ratio ²
Multimanager 2015 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,051.50	\$2.14	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,053.10	0.61	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,052.40	2.60	0.51%
	Hypothetical example	1,000.00	1,022.30	2.56	0.51%
Class R4	Actual expenses/actual returns	1,000.00	1,054.30	0.77	0.15%
	Hypothetical example	1,000.00	1,024.10	0.75	0.15%
Class R5	Actual expenses/actual returns	1,000.00	1,053.70	0.31	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
Class R6	Actual expenses/actual returns	1,000.00	1,054.20	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,053.80	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
Multimanager 2010 Lifetime Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,045.80	\$2.14	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class I	Actual expenses/actual returns	1,000.00	1,050.30	0.61	0.12%
	Hypothetical example	1,000.00	1,024.30	0.60	0.12%
Class R2	Actual expenses/actual returns	1,000.00	1,047.80	2.29	0.45%
	Hypothetical example	1,000.00	1,022.60	2.26	0.45%
Class R4	Actual expenses/actual returns	1,000.00	1,047.50	1.27	0.25%
	Hypothetical example	1,000.00	1,023.60	1.26	0.25%
Class R5	Actual expenses/actual returns	1,000.00	1,049.40	0.31	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
Class R6	Actual expenses/actual returns	1,000.00	1,048.40	0.05	0.01%
	Hypothetical example	1,000.00	1,024.80	0.05	0.01%
Class 1	Actual expenses/actual returns	1,000.00	1,049.50	0.25	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%

¹ Expenses are equal to the annualized expense ratio, multiplied by the average account value over the period, multiplied by 182/366 (to reflect the one-half year period).

² Ratios do not include expenses indirectly incurred by the underlying funds and can vary based on the mix of underlying funds held by the portfolios.

Portfolios' investments

Subadvisors of Affiliated Underlying Funds

Allspring Global Investments, LLC	(Allspring Investments)
Axiom International Investors LLC	(Axiom)
BCSF Advisors, LP (Bain Capital Credit)	(Bain Capital)
Boston Partners Global Investors, Inc.	(Boston Partners)
Dimensional Fund Advisors LP	(DFA)
Epoch Investment Partners, Inc.	(Epoch)
Jennison Associates LLC	(Jennison)
Manulife Investment Management (North America) Limited	(MIM NA)
Manulife Investment Management (US) LLC	(MIM US)
T. Rowe Price Associates, Inc.	(T. Rowe Price)
Wellington Management Company LLP	(Wellington)

MULTIMANAGER 2065 LIFETIME PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 91.4%		
Equity - 86.9%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	83,043	\$4,439,461
Capital Appreciation, Class NAV, JHF II (Jennison)	197,951	3,095,955
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	215,589	2,039,473
Disciplined Value, Class NAV, JHF III (Boston Partners)	151,972	3,563,743
Disciplined Value International, Class NAV, JHIT (Boston Partners)	241,641	3,513,462
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	511,513	4,618,960
Equity Income, Class NAV, JHF II (T. Rowe Price)	255,255	4,921,326
Financial Industries, Class NAV, JHIT II (MIM US) (B)	44,472	711,115
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	44,242	3,073,050
International Dynamic Growth, Class NAV, JHIT (Axiom)	119,796	1,421,983
International Growth, Class NAV, JHF III (Wellington)	61,322	1,573,532
International Small Company, Class NAV, JHF II (DFA)	132,887	1,372,722
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	1,051,544	10,147,396
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	235,541	3,759,230
Mid Value, Class NAV, JHF II (T. Rowe Price)	282,599	4,744,844
Small Cap Dynamic Growth, Class NAV, JHF II (Axiom) (C)(D)	47,132	743,748
Small Cap Value, Class NAV, JHF II (Wellington)	50,393	854,160
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	1,216,865	13,117,810
Fixed income - 2.4%		
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	55,053	415,653
High Yield, Class NAV, JHBT (MIM US) (B)	141,581	426,158
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	109,533	1,015,373
Alternative and specialty - 2.1%		
Health Sciences, Class NAV, JHF II (T. Rowe Price)	185,263	926,313
Science & Technology, Class NAV, JHF II (T. Rowe Price) (C)	358,091	723,343
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$65,229,935)		\$71,218,810
UNAFFILIATED INVESTMENT COMPANIES - 6.5%		
Equity - 6.5%		
Fidelity Emerging Markets Index Fund	65,863	660,607
Fidelity International Index Fund	16,230	786,663
Fidelity Mid Cap Index Fund	62,005	1,933,305
Fidelity Small Cap Index Fund	66,808	1,698,927

MULTIMANAGER 2065 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$4,599,339)		\$5,079,502
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	274	\$0
ICA Gruppen AB (C)(E)	12	0
Health care - 0.0%		
NMC Health PLC (C)(E)	9	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	217	653
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	1,110	30
TOTAL COMMON STOCKS (Cost \$276)		\$683
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 1.9%		
U.S. Government - 1.9%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$1,343,300	401,860
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	1,745,900	531,949
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	1,796,300	571,292
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$1,785,816)		\$1,505,101
SHORT-TERM INVESTMENTS - 0.2%		
Short-term funds - 0.2%		
John Hancock Collateral Trust, 5.2759% (G)(H)	15,605	156,056
TOTAL SHORT-TERM INVESTMENTS (Cost \$154,295)		\$156,056
Total investments (Cost \$71,769,661) - 100.0%		\$77,960,152
Other assets and liabilities, net - 0.0%		17,050
TOTAL NET ASSETS - 100.0%		\$77,977,202

MULTIMANAGER 2060 LIFETIME PORTFOLIO
As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 91.2%		
Equity - 86.8%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	303,963	\$16,249,884
Capital Appreciation, Class NAV, JHF II (Jennison)	726,031	11,355,119
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	770,201	7,286,105
Disciplined Value, Class NAV, JHF III (Boston Partners)	542,927	12,731,627
Disciplined Value International, Class NAV, JHIT (Boston Partners)	863,273	12,551,997
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	1,931,085	17,437,696

MULTIMANAGER 2060 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Equity - (continued)		
Equity Income, Class NAV, JHF II (T. Rowe Price)	913,521	\$17,612,676
Financial Industries, Class NAV, JHIT II (MIM US) (B)	159,176	2,545,228
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	158,366	11,000,084
International Dynamic Growth, Class NAV, JHIT (Axiom)	447,878	5,316,316
International Growth, Class NAV, JHF III (Wellington)	219,077	5,621,510
International Small Company, Class NAV, JHF II (DFA)	474,744	4,904,109
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	3,756,685	36,252,014
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	861,085	13,742,920
Mid Value, Class NAV, JHF II (T. Rowe Price)	1,011,482	16,982,783
Small Cap Dynamic Growth, Class NAV, JHF II (Axiom) (C)(D)	177,774	2,805,266
Small Cap Value, Class NAV, JHF II (Wellington)	180,375	3,057,352
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	4,390,172	47,326,055
Fixed income - 2.3%		
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	205,523	1,551,699
High Yield, Class NAV, JHBT (MIM US) (B)	485,836	1,462,367
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	375,706	3,482,794
Alternative and specialty - 2.1%		
Health Sciences, Class NAV, JHF II (T. Rowe Price)	661,859	3,309,293
Science & Technology, Class NAV, JHF II (T. Rowe Price) (C)	1,295,464	2,616,837
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$238,726,173)		\$257,201,731
UNAFFILIATED INVESTMENT COMPANIES - 6.6%		
Equity - 6.6%		
Fidelity Emerging Markets Index Fund	262,444	2,632,310
Fidelity International Index Fund	57,990	2,810,755
Fidelity Mid Cap Index Fund	221,959	6,920,677
Fidelity Small Cap Index Fund	240,132	6,106,565
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$17,001,796)		\$18,470,307
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	2,235	0
ICA Gruppen AB (C)(E)	96	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	4,248	1,926
Health care - 0.0%		
NMC Health PLC (C)(E)	70	0

MULTIMANAGER 2060 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	1,788	\$5,395
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	9,053	249
TOTAL COMMON STOCKS (Cost \$4,064)		\$7,570
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 2.0%		
U.S. Government - 2.0%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$5,095,700	1,524,423
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	6,622,500	2,017,776
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	6,812,700	2,166,699
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$7,156,880)		\$5,708,898
SHORT-TERM INVESTMENTS - 0.2%		
Short-term funds - 0.2%		
John Hancock Collateral Trust, 5.2759% (G)(H)	54,886	548,884
TOTAL SHORT-TERM INVESTMENTS (Cost \$548,667)		\$548,884
Total investments (Cost \$263,437,580) - 100.0%		\$281,937,390
Other assets and liabilities, net - 0.0%		60,646
TOTAL NET ASSETS - 100.0%		\$281,998,036

MULTIMANAGER 2055 LIFETIME PORTFOLIO
As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 91.3%		
Equity - 86.9%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	440,059	\$23,525,550
Capital Appreciation, Class NAV, JHF II (Jennison)	1,046,217	16,362,835
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	1,101,453	10,419,748
Disciplined Value, Class NAV, JHF III (Boston Partners)	776,431	18,207,308
Disciplined Value International, Class NAV, JHIT (Boston Partners)	1,234,554	17,950,421
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	2,844,895	25,689,403
Equity Income, Class NAV, JHF II (T. Rowe Price)	1,304,111	25,143,254
Financial Industries, Class NAV, JHIT II (MIM US) (B)	227,216	3,633,189
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	225,838	15,686,701
International Dynamic Growth, Class NAV, JHIT (Axiom)	641,169	7,610,677
International Growth, Class NAV, JHF III (Wellington)	313,298	8,039,237
International Small Company, Class NAV, JHF II (DFA)	678,925	7,013,292

MULTIMANAGER 2055 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Equity - (continued)		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	5,372,379	\$51,843,460
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	1,238,760	19,770,615
Mid Value, Class NAV, JHF II (T. Rowe Price)	1,443,841	24,242,092
Small Cap Dynamic Growth, Class NAV, JHF II (Axiom) (C)(D)	247,336	3,902,957
Small Cap Value, Class NAV, JHF II (Wellington)	257,525	4,365,045
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	6,373,462	68,705,917
Fixed income - 2.3%		
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	296,311	2,237,151
High Yield, Class NAV, JHBT (MIM US) (B)	686,435	2,066,171
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	530,375	4,916,575
Alternative and specialty - 2.1%		
Health Sciences, Class NAV, JHF II (T. Rowe Price)	946,514	4,732,570
Science & Technology, Class NAV, JHF II (T. Rowe Price) (C)	1,851,524	3,740,079
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$340,393,869)		\$369,804,247
UNAFFILIATED INVESTMENT COMPANIES - 6.5%		
Equity - 6.5%		
Fidelity Emerging Markets Index Fund	381,333	3,824,765
Fidelity International Index Fund	82,930	4,019,618
Fidelity Mid Cap Index Fund	316,836	9,878,931
Fidelity Small Cap Index Fund	343,265	8,729,233
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$24,508,786)		\$26,452,547
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	3,720	0
ICA Gruppen AB (C)(E)	160	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	12,063	5,469
Health care - 0.0%		
NMC Health PLC (C)(E)	117	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	2,971	8,965
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	15,065	414
TOTAL COMMON STOCKS (Cost \$8,887)		\$14,848
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 2.0%		
U.S. Government - 2.0%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$7,414,200	2,218,022

MULTIMANAGER 2055 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
U.S. Government - (continued)		
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	9,636,000	\$2,935,944
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	9,912,300	3,152,490
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$10,591,266)		\$8,306,456
SHORT-TERM INVESTMENTS - 0.2%		
Short-term funds - 0.2%		
John Hancock Collateral Trust, 5.2759% (G)(H)	71,329	713,320
TOTAL SHORT-TERM INVESTMENTS (Cost \$713,052)		\$713,320
Total investments (Cost \$376,215,860) - 100.0%		\$405,291,418
Other assets and liabilities, net - 0.0%		58,045
TOTAL NET ASSETS - 100.0%		\$405,349,463

MULTIMANAGER 2050 LIFETIME PORTFOLIO
As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 91.2%		
Equity - 86.9%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	656,288	\$35,085,154
Capital Appreciation, Class NAV, JHF II (Jennison)	1,560,267	24,402,583
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	1,633,930	15,456,975
Disciplined Value, Class NAV, JHF III (Boston Partners)	1,163,582	27,286,006
Disciplined Value International, Class NAV, JHIT (Boston Partners)	1,831,068	26,623,733
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	4,298,486	38,815,326
Equity Income, Class NAV, JHF II (T. Rowe Price)	1,947,169	37,541,420
Financial Industries, Class NAV, JHIT II (MIM US) (B)	339,371	5,426,538
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	340,000	23,616,385
International Dynamic Growth, Class NAV, JHIT (Axiom)	947,684	11,249,010
International Growth, Class NAV, JHF III (Wellington)	468,552	12,023,048
International Small Company, Class NAV, JHF II (DFA)	1,008,025	10,412,896
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	7,968,213	76,893,259
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	1,848,373	29,500,031
Mid Value, Class NAV, JHF II (T. Rowe Price)	2,156,560	36,208,638
Small Cap Dynamic Growth, Class NAV, JHF II (Axiom) (C)(D)	366,188	5,778,446
Small Cap Value, Class NAV, JHF II (Wellington)	383,355	6,497,866

MULTIMANAGER 2050 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Equity - (continued)		
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	9,630,611	\$103,817,986
Fixed income - 2.2%		
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	445,619	3,364,423
High Yield, Class NAV, JHBT (MIM US) (B)	994,229	2,992,628
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	768,322	7,122,343
Alternative and specialty - 2.1%		
Health Sciences, Class NAV, JHF II (T. Rowe Price)	1,420,139	7,100,697
Science & Technology, Class NAV, JHF II (T. Rowe Price) (C)	2,751,767	5,558,570
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$504,956,296)		\$552,773,961
UNAFFILIATED INVESTMENT COMPANIES - 6.6%		
Equity - 6.6%		
Fidelity Emerging Markets Index Fund	575,793	5,775,208
Fidelity International Index Fund	123,000	5,961,824
Fidelity Mid Cap Index Fund	474,459	14,793,633
Fidelity Small Cap Index Fund	512,681	13,037,479
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$36,909,909)		\$39,568,144
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	6,187	0
ICA Gruppen AB (C)(E)	266	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	24,454	11,086
Health care - 0.0%		
NMC Health PLC (C)(E)	194	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	4,945	14,921
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	25,059	688
TOTAL COMMON STOCKS (Cost \$16,649)		\$26,695
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 2.1%		
U.S. Government - 2.1%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$11,248,200	3,364,997
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	14,619,400	4,454,311
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	15,037,000	4,782,340
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$16,229,036)		\$12,601,648
SHORT-TERM INVESTMENTS - 0.1%		
Short-term funds - 0.1%		
John Hancock Collateral Trust, 5.2759% (G)(H)	86,625	866,286

MULTIMANAGER 2050 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
TOTAL SHORT-TERM INVESTMENTS (Cost \$865,947)		\$866,286
Total investments (Cost \$558,977,837) - 100.0%		\$605,836,734
Other assets and liabilities, net - 0.0%		88,972
TOTAL NET ASSETS - 100.0%		\$605,925,706

MULTIMANAGER 2045 LIFETIME PORTFOLIO
As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 91.0%		
Equity - 82.6%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	942,100	\$50,364,656
Capital Appreciation, Class NAV, JHF II (Jennison)	2,239,543	35,026,450
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	2,490,610	23,561,169
Disciplined Value, Class NAV, JHF III (Boston Partners)	1,682,700	39,459,310
Disciplined Value International, Class NAV, JHIT (Boston Partners)	2,709,733	39,399,513
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	5,854,913	52,869,868
Equity Income, Class NAV, JHF II (T. Rowe Price)	2,757,843	53,171,220
Financial Industries, Class NAV, JHIT II (MIM US) (B)	491,769	7,863,388
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	486,373	33,783,483
International Dynamic Growth, Class NAV, JHIT (Axiom)	1,422,566	16,885,863
International Growth, Class NAV, JHF III (Wellington)	711,556	18,258,530
International Small Company, Class NAV, JHF II (DFA)	1,497,579	15,469,996
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	11,818,793	114,051,353
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	2,571,508	41,041,271
Mid Value, Class NAV, JHF II (T. Rowe Price)	3,015,339	50,627,542
Small Cap Dynamic Growth, Class NAV, JHF II (Axiom) (C)(D)	496,216	7,830,282
Small Cap Value, Class NAV, JHF II (Wellington)	510,863	8,659,127
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	13,865,701	149,472,256
Fixed income - 5.3%		
Bond, Class NAV, JHSB (MIM US) (B)	1,711,791	22,852,405
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	1,215,221	9,174,915
High Yield, Class NAV, JHBT (MIM US) (B)	2,251,091	6,775,784
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	1,094,803	10,148,821

MULTIMANAGER 2045 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Alternative and specialty - 3.1%		
Diversified Real Assets, Class NAV, JHIT (MIM NA/Wellington) (B)	880,508	\$9,888,101
Health Sciences, Class NAV, JHF II (T. Rowe Price)	2,124,811	10,624,054
Science & Technology, Class NAV, JHF II (T. Rowe Price) (C)	4,063,193	8,207,650
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$729,543,111)		\$835,467,007
UNAFFILIATED INVESTMENT COMPANIES - 6.2%		
Equity - 6.2%		
Fidelity Emerging Markets Index Fund	742,972	7,452,013
Fidelity International Index Fund	185,063	8,969,984
Fidelity Mid Cap Index Fund	688,895	21,479,750
Fidelity Small Cap Index Fund	730,357	18,572,989
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$52,521,408)		\$56,474,736
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	10,035	0
ICA Gruppen AB (C)(E)	431	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	45,339	20,554
Health care - 0.0%		
NMC Health PLC (C)(E)	315	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	8,028	24,224
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	40,641	1,116
TOTAL COMMON STOCKS (Cost \$29,417)		\$45,894
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 2.6%		
U.S. Government - 2.6%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$21,237,300	6,353,322
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	27,526,700	8,386,970
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	28,339,100	9,012,916
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$30,723,641)		\$23,753,208
SHORT-TERM INVESTMENTS - 0.2%		
Short-term funds - 0.2%		
John Hancock Collateral Trust, 5.2759% (G)(H)	214,021	2,140,293
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,139,390)		\$2,140,293
Total investments (Cost \$814,956,967) - 100.0%		\$917,881,138
Other assets and liabilities, net - 0.0%		111,326
TOTAL NET ASSETS - 100.0%		\$917,992,464

MULTIMANAGER 2040 LIFETIME PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 90.9%		
Equity - 74.7%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	859,629	\$45,955,752
Capital Appreciation, Class NAV, JHF II (Jennison)	2,041,948	31,936,065
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	2,309,184	21,844,882
Disciplined Value, Class NAV, JHF III (Boston Partners)	1,528,495	35,843,201
Disciplined Value International, Class NAV, JHIT (Boston Partners)	2,590,524	37,666,226
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	5,048,633	45,589,160
Equity Income, Class NAV, JHF II (T. Rowe Price)	2,524,871	48,679,517
Financial Industries, Class NAV, JHIT II (MIM US) (B)	500,178	7,997,850
Fundamental Global Franchise, Class NAV, JHF II (MIM US) (B)	224,420	2,596,537
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	368,744	25,612,927
Global Equity, Class NAV, JHF II (MIM US) (B)	204,483	2,582,625
International Dynamic Growth, Class NAV, JHIT (Axiom)	1,407,304	16,704,703
International Growth, Class NAV, JHF III (Wellington)	684,375	17,561,056
International Small Company, Class NAV, JHF II (DFA)	1,532,738	15,833,184
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	11,406,822	110,075,828
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	2,247,729	35,873,762
Mid Value, Class NAV, JHF II (T. Rowe Price)	2,633,828	44,221,964
Small Cap Dynamic Growth, Class NAV, JHF II (Axiom) (C)(D)	402,489	6,351,283
Small Cap Value, Class NAV, JHF II (Wellington)	409,943	6,948,526
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	13,504,329	145,576,669
Fixed income - 11.7%		
Bond, Class NAV, JHSB (MIM US) (B)	3,009,225	40,173,147
Core Bond, Class NAV, JHF II (Allspring Investments)	2,496,492	27,136,870
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	2,344,695	17,702,448
High Yield, Class NAV, JHBT (MIM US) (B)	4,103,633	12,351,936
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	1,031,382	9,560,916
Strategic Income Opportunities, Class NAV, JHF II (MIM US) (B)	382,557	3,783,484
Alternative and specialty - 4.5%		
Diversified Real Assets, Class NAV, JHIT (MIM NA/Wellington) (B)	2,111,255	23,709,391
Health Sciences, Class NAV, JHF II (T. Rowe Price)	2,180,647	10,903,235

MULTIMANAGER 2040 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Alternative and specialty - (continued)		
Science & Technology, Class NAV, JHF II (T. Rowe Price) (C)	4,108,485	\$8,299,139
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$753,422,674)		\$859,072,283
UNAFFILIATED INVESTMENT COMPANIES - 5.5%		
Equity - 5.5%		
Fidelity Emerging Markets Index Fund	412,980	4,142,189
Fidelity International Index Fund	177,984	8,626,866
Fidelity Mid Cap Index Fund	669,294	20,868,580
Fidelity Small Cap Index Fund	709,341	18,038,537
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$47,438,975)		\$51,676,172
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	10,247	0
ICA Gruppen AB (C)(E)	440	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	49,809	22,581
Health care - 0.0%		
NMC Health PLC (C)(E)	321	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	8,196	24,732
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	41,499	1,140
TOTAL COMMON STOCKS (Cost \$31,532)		\$48,453
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 3.4%		
U.S. Government - 3.4%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$29,103,400	8,706,534
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	37,623,800	11,463,404
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	38,772,400	12,331,104
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$43,204,750)		\$32,501,042
SHORT-TERM INVESTMENTS - 0.2%		
Short-term funds - 0.2%		
John Hancock Collateral Trust, 5.2759% (G)(H)	188,280	1,882,878
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,881,988)		\$1,882,878
Total investments (Cost \$845,979,919) - 100.0%		\$945,180,828
Other assets and liabilities, net - (0.0%)		(119,429)
TOTAL NET ASSETS - 100.0%		\$945,061,399

MULTIMANAGER 2035 LIFETIME PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 90.9%		
Equity - 65.8%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	828,948	\$44,315,584
Capital Appreciation, Class NAV, JHF II (Jennison)	1,970,548	30,819,369
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	3,941,187	37,283,632
Disciplined Value, Class NAV, JHF III (Boston Partners)	1,507,114	35,341,834
Disciplined Value International, Class NAV, JHIT (Boston Partners)	2,918,691	42,437,773
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	5,029,274	45,414,346
Equity Income, Class NAV, JHF II (T. Rowe Price)	2,485,501	47,920,463
Financial Industries, Class NAV, JHIT II (MIM US) (B)	555,400	8,880,853
Fundamental Global Franchise, Class NAV, JHF II (MIM US) (B)	421,013	4,871,124
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	317,157	22,029,697
Global Equity, Class NAV, JHF II (MIM US) (B)	503,453	6,358,612
International Dynamic Growth, Class NAV, JHIT (Axiom)	1,522,878	18,076,558
International Growth, Class NAV, JHF III (Wellington)	759,758	19,495,392
International Small Company, Class NAV, JHF II (DFA)	1,662,919	17,177,955
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	11,843,549	114,290,246
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	2,153,147	34,364,231
Mid Value, Class NAV, JHF II (T. Rowe Price)	2,575,014	43,234,481
Small Cap Dynamic Growth, Class NAV, JHF II (Axiom) (C)(D)	347,291	5,480,254
Small Cap Value, Class NAV, JHF II (Wellington)	361,781	6,132,189
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	13,106,295	141,285,864
Fixed income - 19.3%		
Bond, Class NAV, JHSB (MIM US) (B)	5,775,515	77,103,128
Core Bond, Class NAV, JHF II (Allspring Investments)	5,616,443	61,050,739
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	4,291,272	32,399,103
High Yield, Class NAV, JHBT (MIM US) (B)	7,243,928	21,804,224
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	1,228,355	11,386,853
Strategic Income Opportunities, Class NAV, JHF II (MIM US) (B)	878,884	8,692,162
Alternative and specialty - 5.8%		
Diversified Real Assets, Class NAV, JHIT (MIM NA/Wellington) (B)	3,970,029	44,583,420
Health Sciences, Class NAV, JHF II (T. Rowe Price)	2,123,050	10,615,252

MULTIMANAGER 2035 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Alternative and specialty - (continued)		
Science & Technology, Class NAV, JHF II (T. Rowe Price) (C)	4,483,755	\$9,057,186
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$894,579,437)		\$1,001,902,524
UNAFFILIATED INVESTMENT COMPANIES - 4.6%		
Equity - 4.6%		
Fidelity International Index Fund	198,181	9,605,839
Fidelity Mid Cap Index Fund	701,759	21,880,862
Fidelity Small Cap Index Fund	764,407	19,438,874
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$46,085,072)		\$50,925,575
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	10,773	0
ICA Gruppen AB (C)(E)	463	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	52,909	23,986
Health care - 0.0%		
NMC Health PLC (C)(E)	338	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	8,616	26,000
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	43,631	1,198
TOTAL COMMON STOCKS (Cost \$33,383)		\$51,184
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 4.3%		
U.S. Government - 4.3%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$42,784,800	12,799,444
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	55,209,600	16,821,532
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	56,904,800	18,097,900
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$63,805,590)		\$47,718,876
SHORT-TERM INVESTMENTS - 0.2%		
Short-term funds - 0.2%		
John Hancock Collateral Trust, 5.2759% (G)(H)	163,010	1,630,169
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,629,358)		\$1,630,169
Total investments (Cost \$1,006,132,840) - 100.0%		\$1,102,228,328
Other assets and liabilities, net - 0.0%		43,575
TOTAL NET ASSETS - 100.0%		\$1,102,271,903

MULTIMANAGER 2030 LIFETIME PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 89.8%		
Equity - 54.4%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	644,027	\$34,429,700
Capital Appreciation, Class NAV, JHF II (Jennison)	1,533,756	23,987,941
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	4,734,498	44,788,347
Disciplined Value, Class NAV, JHF III (Boston Partners)	1,180,057	27,672,326
Disciplined Value International, Class NAV, JHIT (Boston Partners)	2,759,695	40,125,967
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	3,860,906	34,863,985
Equity Income, Class NAV, JHF II (T. Rowe Price)	1,969,034	37,962,977
Financial Industries, Class NAV, JHIT II (MIM US) (B)	528,300	8,447,523
Fundamental Global Franchise, Class NAV, JHF II (MIM US) (B)	970,002	11,222,924
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	170,684	11,855,729
Global Equity, Class NAV, JHF II (MIM US) (B)	1,267,860	16,013,068
International Dynamic Growth, Class NAV, JHIT (Axiom)	1,436,984	17,056,997
International Growth, Class NAV, JHF III (Wellington)	702,777	18,033,266
International Small Company, Class NAV, JHF II (DFA)	1,681,150	17,366,277
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	11,084,435	106,964,799
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	1,805,615	28,817,616
Mid Value, Class NAV, JHF II (T. Rowe Price)	2,180,678	36,613,589
Small Cap Value, Class NAV, JHF II (Wellington)	329,792	5,589,980
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	11,464,012	123,582,046
Fixed income - 28.1%		
Bond, Class NAV, JHSB (MIM US) (B)	6,658,683	88,893,418
Core Bond, Class NAV, JHF II (Allspring Investments)	8,587,387	93,344,892
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	5,662,963	42,755,367
Floating Rate Income, Class NAV, JHF II (Bain Capital)	1,187,643	9,121,101
High Yield, Class NAV, JHBT (MIM US) (B)	9,477,399	28,526,970
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	4,011,302	37,184,765
Strategic Income Opportunities, Class NAV, JHF II (MIM US) (B)	3,386,117	33,488,693
Alternative and specialty - 7.3%		
Diversified Real Assets, Class NAV, JHIT (MIM NA/Wellington) (B)	5,908,821	66,356,057
Health Sciences, Class NAV, JHF II (T. Rowe Price)	2,262,721	11,313,607

MULTIMANAGER 2030 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Alternative and specialty - (continued)		
Science & Technology, Class NAV, JHF II (T. Rowe Price) (C)	4,189,205	\$8,462,195
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$967,735,739)		\$1,064,842,122
UNAFFILIATED INVESTMENT COMPANIES - 4.2%		
Equity - 4.2%		
Fidelity International Index Fund	185,281	8,980,557
Fidelity Mid Cap Index Fund	632,391	19,717,949
Fidelity Small Cap Index Fund	824,772	20,973,944
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$44,022,823)		\$49,672,450
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	10,893	0
ICA Gruppen AB (C)(E)	468	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	59,458	26,955
Health care - 0.0%		
NMC Health PLC (C)(E)	342	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	8,712	26,289
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	44,116	1,211
TOTAL COMMON STOCKS (Cost \$36,289)		\$54,455
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 5.8%		
U.S. Government - 5.8%		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	\$1,981,138	1,932,048
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	3,672,071	3,518,561
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	4,654,243	4,386,685
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	6,282,282	6,101,585
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	47,180,800	14,114,545
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	60,882,700	18,550,040
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	62,739,100	19,953,430
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$87,382,546)		\$68,556,894
SHORT-TERM INVESTMENTS - 0.2%		
Short-term funds - 0.2%		
John Hancock Collateral Trust, 5.2759% (G)(H)	218,460	2,184,683
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,183,614)		\$2,184,683
Total investments (Cost \$1,101,361,011) - 100.0%		\$1,185,310,604
Other assets and liabilities, net - 0.0%		148,879
TOTAL NET ASSETS - 100.0%		\$1,185,459,483

MULTIMANAGER 2025 LIFETIME PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 90.0%		
Equity - 41.7%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	263,674	\$14,096,012
Capital Appreciation, Class NAV, JHF II (Jennison)	626,924	9,805,087
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	4,442,967	42,030,471
Disciplined Value, Class NAV, JHF III (Boston Partners)	482,256	11,308,898
Disciplined Value International, Class NAV, JHIT (Boston Partners)	1,700,913	24,731,270
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	1,769,028	15,974,324
Equity Income, Class NAV, JHF II (T. Rowe Price)	810,372	15,623,980
Financial Industries, Class NAV, JHIT II (MIM US) (B)	336,873	5,386,592
Fundamental Global Franchise, Class NAV, JHF II (MIM US) (B)	1,107,009	12,808,100
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	97,646	6,782,467
Global Equity, Class NAV, JHF II (MIM US) (B)	1,088,769	13,751,147
International Dynamic Growth, Class NAV, JHIT (Axiom)	928,875	11,025,745
International Growth, Class NAV, JHF III (Wellington)	413,633	10,613,828
International Small Company, Class NAV, JHF II (DFA)	1,065,448	11,006,075
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	6,734,020	64,983,290
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	979,949	15,639,993
Mid Value, Class NAV, JHF II (T. Rowe Price)	1,183,527	19,871,423
Small Cap Value, Class NAV, JHF II (Wellington)	246,119	4,171,724
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	5,743,920	61,919,461
Fixed income - 39.6%		
Bond, Class NAV, JHSB (MIM US) (B)	7,025,852	93,795,125
Core Bond, Class NAV, JHF II (Allspring Investments)	8,417,567	91,498,954
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	5,472,535	41,317,641
Floating Rate Income, Class NAV, JHF II (Bain Capital)	1,613,639	12,392,747
High Yield, Class NAV, JHBT (MIM US) (B)	9,128,293	27,476,162
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	5,011,121	46,453,096
Strategic Income Opportunities, Class NAV, JHF II (MIM US) (B)	4,096,345	40,512,855
Alternative and specialty - 8.7%		
Diversified Real Assets, Class NAV, JHIT (MIM NA/Wellington) (B)	5,723,872	64,279,077
Health Sciences, Class NAV, JHF II (T. Rowe Price)	1,554,978	7,774,891

MULTIMANAGER 2025 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Alternative and specialty - (continued)		
Science & Technology, Class NAV, JHF II (T. Rowe Price) (C)	2,670,266	\$5,393,937
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$754,739,680)		\$802,424,372
UNAFFILIATED INVESTMENT COMPANIES - 3.1%		
Equity - 3.1%		
Fidelity International Index Fund	109,709	5,317,596
Fidelity Mid Cap Index Fund	383,979	11,972,453
Fidelity Small Cap Index Fund	420,350	10,689,490
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$25,137,071)		\$27,979,539
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	8,029	0
ICA Gruppen AB (C)(E)	345	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	43,019	19,503
Health care - 0.0%		
NMC Health PLC (C)(E)	252	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	6,421	19,373
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	32,516	893
TOTAL COMMON STOCKS (Cost \$26,404)		\$39,769
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 6.7%		
U.S. Government - 6.7%		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	\$3,192,717	3,113,606
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	5,990,670	5,740,232
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	7,592,113	7,155,665
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	10,129,029	9,837,687
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	30,030,100	8,983,765
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	38,818,600	11,827,442
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	40,007,300	12,723,849
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$72,609,404)		\$59,382,246
SHORT-TERM INVESTMENTS - 0.2%		
Short-term funds - 0.2%		
John Hancock Collateral Trust, 5.2759% (G)(H)	217,908	2,179,171
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,178,462)		\$2,179,171
Total investments (Cost \$854,691,021) - 100.0%		\$892,005,097
Other assets and liabilities, net - 0.0%		158,668
TOTAL NET ASSETS - 100.0%		\$892,163,765

MULTIMANAGER 2020 LIFETIME PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 89.9%		
Equity - 33.9%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	56,936	\$3,043,806
Capital Appreciation, Class NAV, JHF II (Jennison)	135,233	2,115,041
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	2,104,840	19,911,788
Disciplined Value, Class NAV, JHF III (Boston Partners)	104,196	2,443,402
Disciplined Value International, Class NAV, JHIT (Boston Partners)	738,945	10,744,265
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	564,752	5,099,711
Equity Income, Class NAV, JHF II (T. Rowe Price)	174,999	3,373,983
Financial Industries, Class NAV, JHIT II (MIM US) (B)	170,418	2,724,983
Fundamental Global Franchise, Class NAV, JHF II (MIM US) (B)	538,167	6,226,587
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	58,533	4,065,675
Global Equity, Class NAV, JHF II (MIM US) (B)	516,337	6,521,339
Global Shareholder Yield, Class NAV, JHF III (Epoch)	329,875	3,645,119
International Dynamic Growth, Class NAV, JHIT (Axiom)	430,327	5,107,981
International Growth, Class NAV, JHF III (Wellington)	175,952	4,514,937
International Small Company, Class NAV, JHF II (DFA)	433,889	4,482,076
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	2,841,449	27,419,985
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	349,871	5,583,945
Mid Value, Class NAV, JHF II (T. Rowe Price)	423,273	7,106,756
Small Cap Value, Class NAV, JHF II (Wellington)	126,389	2,142,291
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	2,595,601	27,980,581
Fixed income - 47.1%		
Bond, Class NAV, JHSB (MIM US) (B)	4,162,055	55,563,440
Core Bond, Class NAV, JHF II (Allspring Investments)	5,242,836	56,989,623
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	3,053,656	23,055,106
Floating Rate Income, Class NAV, JHF II (Bain Capital)	1,172,458	9,004,481
High Yield, Class NAV, JHBT (MIM US) (B)	5,106,336	15,370,070
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	3,541,949	32,833,868
Strategic Income Opportunities, Class NAV, JHF II (MIM US) (B)	2,186,030	21,619,839
Alternative and specialty - 8.9%		
Diversified Real Assets, Class NAV, JHIT (MIM NA/Wellington) (B)	3,033,192	34,062,744

MULTIMANAGER 2020 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Alternative and specialty - (continued)		
Health Sciences, Class NAV, JHF II (T. Rowe Price)	732,576	\$3,662,878
Science & Technology, Class NAV, JHF II (T. Rowe Price) (C)	1,349,002	2,724,983
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$395,306,952)		\$409,141,283
UNAFFILIATED INVESTMENT COMPANIES - 2.4%		
Equity - 2.4%		
Fidelity International Index Fund	46,600	2,258,722
Fidelity Mid Cap Index Fund	161,931	5,048,994
Fidelity Small Cap Index Fund	135,827	3,454,080
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$9,567,595)		\$10,761,796
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	3,589	0
ICA Gruppen AB (C)(E)	154	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	19,966	9,052
Health care - 0.0%		
NMC Health PLC (C)(E)	113	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	2,869	8,656
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	14,534	399
TOTAL COMMON STOCKS (Cost \$12,117)		\$18,107
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 7.4%		
U.S. Government - 7.4%		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	\$2,533,486	2,470,709
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	4,787,272	4,587,142
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	6,067,497	5,718,695
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	8,037,525	7,806,342
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	11,754,400	3,516,431
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	15,242,200	4,644,068
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	15,712,000	4,997,016
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$39,382,957)		\$33,740,403
SHORT-TERM INVESTMENTS - 0.3%		
Short-term funds - 0.3%		
John Hancock Collateral Trust, 5.2759% (G)(H)	114,118	1,141,223

MULTIMANAGER 2020 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,140,839)		\$1,141,223
Total investments (Cost \$445,410,460) - 100.0%		\$454,802,812
Other assets and liabilities, net - 0.0%		100,093
TOTAL NET ASSETS - 100.0%		\$454,902,905

MULTIMANAGER 2015 LIFETIME PORTFOLIO
As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 89.7%		
Equity - 29.0%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	23,632	\$1,263,377
Capital Appreciation, Class NAV, JHF II (Jennison)	56,128	877,835
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	800,091	7,568,862
Disciplined Value, Class NAV, JHF III (Boston Partners)	43,246	1,014,122
Disciplined Value International, Class NAV, JHIT (Boston Partners)	252,211	3,667,144
Emerging Markets Equity, Class NAV, JHIT (MIM US) (B)	97,808	883,206
Equity Income, Class NAV, JHF II (T. Rowe Price)	72,633	1,400,355
Fundamental Global Franchise, Class NAV, JHF II (MIM US) (B)	171,196	1,980,742
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	19,231	1,335,753
Global Equity, Class NAV, JHF II (MIM US) (B)	200,415	2,531,245
Global Shareholder Yield, Class NAV, JHF III (Epoch)	157,243	1,737,532
International Dynamic Growth, Class NAV, JHIT (Axiom)	134,258	1,593,645
International Growth, Class NAV, JHF III (Wellington)	60,037	1,540,540
International Small Company, Class NAV, JHF II (DFA)	123,991	1,280,823
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	931,475	8,988,736
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	87,503	1,396,555
Mid Value, Class NAV, JHF II (T. Rowe Price)	105,863	1,777,434
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	847,631	9,137,460
Fixed income - 53.2%		
Bond, Class NAV, JHSB (MIM US) (B)	1,777,065	23,723,817
Core Bond, Class NAV, JHF II (Allspring Investments)	2,180,416	23,701,119
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	1,232,032	9,301,839
Floating Rate Income, Class NAV, JHF II (Bain Capital)	580,524	4,458,426
High Yield, Class NAV, JHBT (MIM US) (B)	2,060,208	6,201,226

MULTIMANAGER 2015 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Fixed income - (continued)		
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	1,700,848	\$15,766,860
Strategic Income Opportunities, Class NAV, JHF II (MIM US) (B)	874,546	8,649,260
Alternative and specialty - 7.5%		
Diversified Real Assets, Class NAV, JHIT (MIM NA/Wellington) (B)	1,153,642	12,955,401
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$151,766,503)		\$154,733,314
UNAFFILIATED INVESTMENT COMPANIES - 2.3%		
Equity - 2.3%		
Fidelity International Index Fund	16,945	821,303
Fidelity Mid Cap Index Fund	50,189	1,564,880
Fidelity Small Cap Index Fund	58,847	1,496,481
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$3,352,067)		\$3,882,664
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	1,099	0
ICA Gruppen AB (C)(E)	47	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	5,942	2,694
Health care - 0.0%		
NMC Health PLC (C)(E)	34	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	877	2,645
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	4,452	122
TOTAL COMMON STOCKS (Cost \$3,638)		\$5,461
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 7.9%		
U.S. Government - 7.9%		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	\$1,284,854	1,253,017
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	2,375,330	2,276,030
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	3,010,553	2,837,485
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	4,075,011	3,957,801
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	2,886,900	863,641
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	3,762,700	1,146,438
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	3,876,000	1,232,716
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$15,119,684)		\$13,567,128
SHORT-TERM INVESTMENTS - 0.1%		
Short-term funds - 0.1%		
John Hancock Collateral Trust, 5.2759% (G)(H)	20,647	206,483

MULTIMANAGER 2015 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
TOTAL SHORT-TERM INVESTMENTS (Cost \$206,371)		\$206,483
Total investments (Cost \$170,448,263) - 100.0%		\$172,395,050
Other assets and liabilities, net - 0.0%		54,915
TOTAL NET ASSETS - 100.0%		\$172,449,965

MULTIMANAGER 2010 LIFETIME PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 89.6%		
Equity - 22.9%		
Blue Chip Growth, Class NAV, JHF II (T. Rowe Price)	13,941	\$745,301
Capital Appreciation Value, Class NAV, JHF II (T. Rowe Price)	554,145	5,242,209
Disciplined Value International, Class NAV, JHIT (Boston Partners)	161,508	2,348,330
Equity Income, Class NAV, JHF II (T. Rowe Price)	43,596	840,523
Fundamental Global Franchise, Class NAV, JHF II (MIM US) (B)	127,690	1,477,374
Fundamental Large Cap Core, Class NAV, JHIT (MIM US) (B)	12,024	835,157
Global Equity, Class NAV, JHF II (MIM US) (B)	136,044	1,718,237
Global Shareholder Yield, Class NAV, JHF III (Epoch)	139,385	1,540,200
International Dynamic Growth, Class NAV, JHIT (Axiom)	90,387	1,072,900
International Growth, Class NAV, JHF III (Wellington)	37,859	971,467
International Small Company, Class NAV, JHF II (DFA)	59,587	615,534
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	546,159	5,270,436
Mid Cap Growth, Class NAV, JHIT (Wellington) (C)	30,215	482,224
Mid Value, Class NAV, JHF II (T. Rowe Price)	36,563	613,888
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	448,976	4,839,966
Fixed income - 59.2%		
Bond, Class NAV, JHSB (MIM US) (B)	1,360,230	18,159,073
Core Bond, Class NAV, JHF II (Allspring Investments)	1,744,992	18,968,059
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	938,236	7,083,680
Floating Rate Income, Class NAV, JHF II (Bain Capital)	516,526	3,966,918
High Yield, Class NAV, JHBT (MIM US) (B)	1,564,538	4,709,261
Short Duration Bond, Class NAV, JHBT (MIM US) (B)	1,552,779	14,394,263
Strategic Income Opportunities, Class NAV, JHF II (MIM US) (B)	662,378	6,550,921

MULTIMANAGER 2010 LIFETIME PORTFOLIO (continued)

	Shares or Principal Amount	Value
Alternative and specialty - 7.5%		
Diversified Real Assets, Class NAV, JHIT (MIM NA/Wellington) (B)	833,488	\$9,360,072
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$110,464,738)		\$111,805,993
UNAFFILIATED INVESTMENT COMPANIES - 1.7%		
Equity - 1.7%		
Fidelity International Index Fund	13,101	634,995
Fidelity Mid Cap Index Fund	26,877	838,026
Fidelity Small Cap Index Fund	24,018	610,768
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$1,723,026)		\$2,083,789
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(E)	648	0
ICA Gruppen AB (C)(E)	28	0
Energy - 0.0%		
Sakari Resources, Ltd. (C)(E)(I)	2,849	1,292
Health care - 0.0%		
NMC Health PLC (C)(E)	20	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(E)(F)	516	1,558
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(E)	2,622	72
TOTAL COMMON STOCKS (Cost \$1,865)		\$2,922
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 8.5%		
U.S. Government - 8.5%		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	\$1,160,275	1,131,525
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	2,181,158	2,089,976
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	2,765,341	2,606,370
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	3,680,457	3,574,596
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	1,039,000	310,826
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	1,405,500	428,235
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	1,419,400	451,423
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$11,335,478)		\$10,592,951
SHORT-TERM INVESTMENTS - 0.2%		
Short-term funds - 0.2%		
John Hancock Collateral Trust, 5.2759% (G)(H)	29,132	291,328
TOTAL SHORT-TERM INVESTMENTS (Cost \$291,183)		\$291,328
Total investments (Cost \$123,816,290) - 100.0%		\$124,776,983
Other assets and liabilities, net - 0.0%		54,473
TOTAL NET ASSETS - 100.0%		\$124,831,456

MULTIMANAGER 2010 LIFETIME PORTFOLIO (continued)

Percentages are based upon net assets.

Security Abbreviations and Legend

JHBT	John Hancock Bond Trust
JHF II	John Hancock Funds II
JHF III	John Hancock Funds III
JHIT	John Hancock Investment Trust
JHIT II	John Hancock Investment Trust II
JHSB	John Hancock Sovereign Bond Fund
PO	Principal-Only Security - (Principal Tranche of Stripped Security). Rate shown is the annualized yield on date of purchase.
STRIPS	Separate Trading of Registered Interest and Principal Securities
(A)	The underlying funds' subadvisor is shown parenthetically.
(B)	The subadvisor is an affiliate of the advisor.
(C)	Non-income producing.
(D)	Formerly known as Small Cap Growth Fund.
(E)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(F)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(G)	The rate shown is the annualized seven-day yield as of 2-29-24.
(H)	Investment is an affiliate of the fund, the advisor and/or subadvisor.
(I)	Restricted security as to resale, excluding 144A securities.

Financial statements

STATEMENTS OF ASSETS AND LIABILITIES 2-29-24 (unaudited)

	Multimanager 2065 Lifetime Portfolio	Multimanager 2060 Lifetime Portfolio	Multimanager 2055 Lifetime Portfolio	Multimanager 2050 Lifetime Portfolio
Assets				
Unaffiliated investments, at value	\$6,585,286	\$24,186,775	\$34,773,851	\$52,196,487
Affiliated investments, at value	71,374,866	257,750,615	370,517,567	553,640,247
Total investments, at value	77,960,152	281,937,390	405,291,418	605,836,734
Dividends and interest receivable	11,053	52,931	82,010	129,066
Receivable for fund shares sold	172,575	296,812	615,130	339,126
Receivable from affiliates	1,569	3,911	4,605	5,590
Other assets	46,350	78,673	79,989	89,488
Total assets	78,191,699	282,369,717	406,073,152	606,400,004
Liabilities				
Payable for investments purchased	177,196	318,635	614,224	306,851
Payable for fund shares repurchased	3,068	4,665	50,954	88,155
Payable to affiliates				
Accounting and legal services fees	4,065	15,287	22,174	33,547
Transfer agent fees	119	1,208	3,304	7,969
Distribution and service fees	8	297	430	985
Trustees' fees	27	128	198	311
Other liabilities and accrued expenses	30,014	31,461	32,405	36,480
Total liabilities	214,497	371,681	723,689	474,298
Net assets	\$77,977,202	\$281,998,036	\$405,349,463	\$605,925,706
Net assets consist of				
Paid-in capital	\$74,254,240	\$271,653,201	\$388,482,388	\$577,391,692
Total distributable earnings (loss)	3,722,962	10,344,835	16,867,075	28,534,014
Net assets	\$77,977,202	\$281,998,036	\$405,349,463	\$605,925,706
Unaffiliated investments, at cost	\$6,385,431	\$24,162,740	\$35,108,939	\$53,155,594
Affiliated investments, at cost	65,384,230	239,274,840	341,106,921	505,822,243
Total investments, at cost	71,769,661	263,437,580	376,215,860	558,977,837
Net asset value per share				
The portfolios have an unlimited number of shares authorized with no par value. Net asset value is calculated by dividing the net assets of each class of shares by the number of outstanding shares in the class.				
Class A¹				
Net assets	\$905,193	\$11,603,707	\$33,272,333	\$82,874,604
Shares outstanding	74,136	912,321	2,974,528	7,172,390
Net asset value and redemption price per share	\$12.21	\$12.72	\$11.19	\$11.55
Class I				
Net assets	\$156,823	\$165,128	\$685,550	\$947,862
Shares outstanding	12,835	12,937	61,134	81,831
Net asset value, offering price and redemption price per share	\$12.22	\$12.76	\$11.21	\$11.58
Class R2				
Net assets	\$63,116	\$1,005,370	\$1,218,519	\$4,179,530
Shares outstanding	5,167	79,064	109,041	361,898
Net asset value, offering price and redemption price per share	\$12.22	\$12.72	\$11.17	\$11.55
Class R4				
Net assets	\$61,805	\$67,572	\$48,428	\$1,059,494
Shares outstanding	5,060	5,301	4,319	91,674
Net asset value, offering price and redemption price per share	\$12.21	\$12.75	\$11.21	\$11.56
Class R5				
Net assets	\$301,944	\$2,749,021	\$4,685,860	\$4,524,082
Shares outstanding	24,705	215,737	417,463	390,345
Net asset value, offering price and redemption price per share	\$12.22	\$12.74	\$11.22	\$11.59
Class R6				
Net assets	\$5,617,079	\$31,324,469	\$43,992,369	\$59,571,112
Shares outstanding	459,473	2,454,732	3,920,627	5,137,499
Net asset value, offering price and redemption price per share	\$12.23	\$12.76	\$11.22	\$11.60
Class 1				
Net assets	\$70,871,242	\$235,082,769	\$321,446,404	\$452,769,022
Shares outstanding	5,800,614	18,433,842	28,664,835	39,128,060
Net asset value, offering price and redemption price per share	\$12.22	\$12.75	\$11.21	\$11.57
Maximum offering price per share				
Class A (net asset value per share ÷ 95%) ²	\$12.85	\$13.39	\$11.78	\$12.16

¹ Redemption price per share is equal to net asset value less any applicable contingent deferred sales charge.

² On single retail sales of less than \$50,000. On sales of \$50,000 or more and on group sales the offering price is reduced.

STATEMENTS OF ASSETS AND LIABILITIES 2-29-24 (unaudited)

Continued

	Multimanager 2045 Lifetime Portfolio	Multimanager 2040 Lifetime Portfolio	Multimanager 2035 Lifetime Portfolio	Multimanager 2030 Lifetime Portfolio
Assets				
Unaffiliated investments, at value	\$80,273,838	\$84,225,667	\$98,695,635	\$118,283,799
Affiliated investments, at value	837,607,300	860,955,161	1,003,532,693	1,067,026,805
Total investments, at value	917,881,138	945,180,828	1,102,228,328	1,185,310,604
Dividends and interest receivable	319,254	465,488	750,541	1,166,774
Receivable for fund shares sold	270,879	400,237	160,579	374,981
Receivable for investments sold	—	1,067,795	332,346	—
Receivable from affiliates	7,775	7,696	8,236	9,034
Other assets	89,499	94,581	101,359	104,737
Total assets	918,568,545	947,216,625	1,103,581,389	1,186,966,130
Liabilities				
Payable for investments purchased	382,380	342,724	621,597	1,281,838
Payable for fund shares repurchased	86,219	1,701,781	562,789	89,422
Payable to affiliates				
Accounting and legal services fees	51,051	52,933	62,113	67,591
Transfer agent fees	14,542	16,218	18,821	21,986
Distribution and service fees	1,566	1,419	2,165	2,526
Trustees' fees	496	529	617	683
Other liabilities and accrued expenses	39,827	39,622	41,384	42,601
Total liabilities	576,081	2,155,226	1,309,486	1,506,647
Net assets	\$917,992,464	\$945,061,399	\$1,102,271,903	\$1,185,459,483
Net assets consist of				
Paid-in capital	\$831,250,680	\$869,176,666	\$1,034,118,052	\$1,142,583,754
Total distributable earnings (loss)	86,741,784	75,884,733	68,153,851	42,875,729
Net assets	\$917,992,464	\$945,061,399	\$1,102,271,903	\$1,185,459,483
Unaffiliated investments, at cost	\$83,274,466	\$90,675,257	\$109,924,045	\$131,441,658
Affiliated investments, at cost	731,682,501	755,304,662	896,208,795	969,919,353
Total investments, at cost	814,956,967	845,979,919	1,006,132,840	1,101,361,011
Net asset value per share				
The portfolios have an unlimited number of shares authorized with no par value. Net asset value is calculated by dividing the net assets of each class of shares by the number of outstanding shares in the class.				
Class A¹				
Net assets	\$154,246,851	\$172,221,957	\$198,800,301	\$231,544,171
Shares outstanding	15,790,768	17,442,522	20,684,565	24,801,365
Net asset value and redemption price per share	\$9.77	\$9.87	\$9.61	\$9.34
Class I				
Net assets	\$835,329	\$832,151	\$608,110	\$1,632,182
Shares outstanding	84,722	83,471	62,972	175,587
Net asset value, offering price and redemption price per share	\$9.86	\$9.97	\$9.66	\$9.30
Class R2				
Net assets	\$6,920,536	\$5,925,505	\$9,377,256	\$10,085,509
Shares outstanding	703,923	597,542	968,806	1,091,712
Net asset value, offering price and redemption price per share	\$9.83	\$9.92	\$9.68	\$9.24
Class R4				
Net assets	\$363,977	\$595,652	\$230,997	\$1,083,462
Shares outstanding	37,100	60,271	23,849	116,952
Net asset value, offering price and redemption price per share	\$9.81	\$9.88	\$9.69	\$9.26
Class R5				
Net assets	\$5,940,979	\$7,242,754	\$9,170,395	\$9,975,394
Shares outstanding	599,942	725,412	944,712	1,075,068
Net asset value, offering price and redemption price per share	\$9.90	\$9.98	\$9.71	\$9.28
Class R6				
Net assets	\$70,628,326	\$68,494,226	\$84,414,024	\$90,731,531
Shares outstanding	7,160,642	6,888,226	8,708,274	9,780,639
Net asset value, offering price and redemption price per share	\$9.86	\$9.94	\$9.69	\$9.28
Class 1				
Net assets	\$679,056,466	\$689,749,154	\$799,670,820	\$840,407,234
Shares outstanding	68,748,701	69,245,018	82,366,302	90,491,124
Net asset value, offering price and redemption price per share	\$9.88	\$9.96	\$9.71	\$9.29
Maximum offering price per share				
Class A (net asset value per share ÷ 95%) ²	\$10.28	\$10.39	\$10.12	\$9.83

¹ Redemption price per share is equal to net asset value less any applicable contingent deferred sales charge.

² On single retail sales of less than \$50,000. On sales of \$50,000 or more and on group sales the offering price is reduced.

STATEMENTS OF ASSETS AND LIABILITIES 2-29-24 (unaudited)

Continued

	Multimanager 2025 Lifetime Portfolio	Multimanager 2020 Lifetime Portfolio	Multimanager 2015 Lifetime Portfolio	Multimanager 2010 Lifetime Portfolio
Assets				
Unaffiliated investments, at value	\$87,401,554	\$44,520,306	\$17,455,253	\$12,679,662
Affiliated investments, at value	804,603,543	410,282,506	154,939,797	112,097,321
Total investments, at value	892,005,097	454,802,812	172,395,050	124,776,983
Dividends and interest receivable	1,250,611	760,865	327,049	264,034
Receivable for fund shares sold	435,808	106,698	1,555	2,212
Receivable for investments sold	—	650,478	548,288	108,690
Receivable from affiliates	7,258	4,626	3,198	2,903
Other assets	98,153	79,443	63,929	63,149
Total assets	893,796,927	456,404,922	173,339,069	125,217,971
Liabilities				
Payable for investments purchased	1,469,230	668,423	290,134	234,540
Payable for fund shares repurchased	51,249	756,574	549,824	110,890
Payable to affiliates				
Accounting and legal services fees	51,747	26,953	10,042	7,282
Transfer agent fees	18,546	14,752	7,235	3,680
Distribution and service fees	1,850	1,077	125	65
Trustees' fees	549	293	103	77
Other liabilities and accrued expenses	39,991	33,945	31,641	29,981
Total liabilities	1,633,162	1,502,017	889,104	386,515
Net assets	\$892,163,765	\$454,902,905	\$172,449,965	\$124,831,456
Net assets consist of				
Paid-in capital	\$890,477,518	\$466,295,320	\$176,043,660	\$130,341,941
Total distributable earnings (loss)	1,686,247	(11,392,415)	(3,593,695)	(5,510,485)
Net assets	\$892,163,765	\$454,902,905	\$172,449,965	\$124,831,456
Unaffiliated investments, at cost	\$97,772,879	\$48,962,669	\$18,475,389	\$13,060,369
Affiliated investments, at cost	756,918,142	396,447,791	151,972,874	110,755,921
Total investments, at cost	854,691,021	445,410,460	170,448,263	123,816,290
Net asset value per share				
The portfolios have an unlimited number of shares authorized with no par value. Net asset value is calculated by dividing the net assets of each class of shares by the number of outstanding shares in the class.				
Class A¹				
Net assets	\$194,265,331	\$155,931,481	\$77,252,433	\$38,784,904
Shares outstanding	22,081,244	19,541,794	10,493,973	5,224,312
Net asset value and redemption price per share	\$8.80	\$7.98	\$7.36	\$7.42
Class I				
Net assets	\$2,425,470	\$589,095	\$180,879	\$37,356
Shares outstanding	277,313	73,755	24,620	5,038
Net asset value, offering price and redemption price per share	\$8.75	\$7.99	\$7.35	\$7.42 ²
Class R2				
Net assets	\$7,003,577	\$4,374,155	\$429,529	\$139,727
Shares outstanding	803,947	551,812	58,796	18,838
Net asset value, offering price and redemption price per share	\$8.71	\$7.93	\$7.31	\$7.42
Class R4				
Net assets	\$516,857	\$427,804	\$17,898	\$65,411
Shares outstanding	59,041	54,017	2,429	8,825
Net asset value, offering price and redemption price per share	\$8.75	\$7.92	\$7.37	\$7.41
Class R5				
Net assets	\$7,598,207	\$7,398,038	\$481,046	\$790,803
Shares outstanding	870,278	929,297	65,517	106,698
Net asset value, offering price and redemption price per share	\$8.73	\$7.96	\$7.34	\$7.41
Class R6				
Net assets	\$61,595,144	\$25,579,568	\$10,224,499	\$10,260,845
Shares outstanding	7,062,664	3,222,963	1,390,618	1,382,424
Net asset value, offering price and redemption price per share	\$8.72	\$7.94	\$7.35	\$7.42
Class 1				
Net assets	\$618,759,179	\$260,602,764	\$83,863,681	\$74,752,410
Shares outstanding	70,831,703	32,753,593	11,414,632	10,073,955
Net asset value, offering price and redemption price per share	\$8.74	\$7.96	\$7.35	\$7.42
Maximum offering price per share				
Class A (net asset value per share ÷ 95%) ³	\$9.26	\$8.40	\$7.75	\$7.81

¹ Redemption price per share is equal to net asset value less any applicable contingent deferred sales charge.

² Net asset value, offering price and redemption price per share of \$7.42 is calculated using Net assets of \$37,356.01 and Shares outstanding of 5,037.55.

³ On single retail sales of less than \$50,000. On sales of \$50,000 or more and on group sales the offering price is reduced.

STATEMENTS OF OPERATIONS For the six months ended 2-29-24 (unaudited)

	Multimanager 2065 Lifetime Portfolio	Multimanager 2060 Lifetime Portfolio	Multimanager 2055 Lifetime Portfolio	Multimanager 2050 Lifetime Portfolio
Investment income				
Dividends from affiliated investments	\$886,763	\$3,408,230	\$4,962,970	\$7,559,072
Dividends from unaffiliated investments	70,657	274,286	400,392	610,312
Interest	26,259	114,722	169,240	259,621
Other income received from advisor	23,281	89,306	113,001	144,473
Total investment income	1,006,960	3,886,544	5,645,603	8,573,478
Expenses				
Investment management fees	65,485	255,588	373,920	569,142
Distribution and service fees	15,787	70,631	122,271	231,186
Accounting and legal services fees	7,717	30,086	44,011	67,040
Transfer agent fees	626	7,171	20,253	48,978
Trustees' fees	1,219	3,519	4,884	7,436
Custodian fees	15,331	16,102	16,102	16,102
State registration fees	41,597	41,947	41,833	39,422
Printing and postage	6,191	6,581	7,042	8,112
Professional fees	19,616	26,544	28,566	32,524
Other	7,679	10,377	11,301	12,783
Total expenses	181,248	468,546	670,183	1,032,725
Less expense reductions	(164,864)	(390,776)	(527,681)	(753,121)
Net expenses	16,384	77,770	142,502	279,604
Net investment income	990,576	3,808,774	5,503,101	8,293,874
Realized and unrealized gain (loss)				
Net realized gain (loss) on				
Unaffiliated investments	(48,760)	(308,823)	(494,233)	(791,177)
Affiliated investments	(582,202)	(1,731,948)	(2,899,364)	(5,251,718)
Capital gain distributions received from affiliated investments	1,475,479	5,636,873	8,201,370	12,492,589
	844,517	3,596,102	4,807,773	6,449,694
Change in net unrealized appreciation (depreciation) of				
Unaffiliated investments	375,112	1,436,940	2,075,621	3,134,962
Affiliated investments	5,334,279	19,121,592	27,729,608	42,556,455
	5,709,391	20,558,532	29,805,229	45,691,417
Net realized and unrealized gain	6,553,908	24,154,634	34,613,002	52,141,111
Increase in net assets from operations	\$7,544,484	\$27,963,408	\$40,116,103	\$60,434,985

STATEMENTS OF OPERATIONS For the six months ended 2-29-24 (unaudited)

Continued

	Multimanager 2045 Lifetime Portfolio	Multimanager 2040 Lifetime Portfolio	Multimanager 2035 Lifetime Portfolio	Multimanager 2030 Lifetime Portfolio
Investment income				
Dividends from affiliated investments	\$11,897,862	\$13,255,284	\$16,735,100	\$19,801,566
Dividends from unaffiliated investments	868,022	765,758	697,610	689,633
Interest	495,184	698,016	1,018,658	1,276,776
Other income received from advisor	274,274	231,970	171,997	212,451
Total investment income	13,535,342	14,951,028	18,623,365	21,980,426
Expenses				
Investment management fees	910,602	980,103	1,204,310	1,369,745
Distribution and service fees	388,187	419,166	495,604	562,841
Accounting and legal services fees	102,673	107,402	125,582	137,681
Transfer agent fees	89,620	100,868	117,892	139,608
Trustees' fees	11,238	11,834	13,739	15,039
Custodian fees	16,102	16,102	16,102	16,102
State registration fees	40,961	41,028	42,236	42,740
Printing and postage	8,809	8,843	9,255	9,678
Professional fees	37,767	38,001	40,606	42,571
Other	15,175	15,610	16,820	17,826
Total expenses	1,621,134	1,738,957	2,082,146	2,353,831
Less expense reductions	(1,143,487)	(1,219,184)	(1,468,755)	(1,651,865)
Net expenses	477,647	519,773	613,391	701,966
Net investment income	13,057,695	14,431,255	18,009,974	21,278,460
Realized and unrealized gain (loss)				
Net realized gain (loss) on				
Unaffiliated investments	(1,590,342)	(3,913,945)	(5,721,221)	(7,846,483)
Affiliated investments	(6,329,964)	(6,938,075)	(5,572,695)	(5,085,236)
Capital gain distributions received from affiliated investments	17,891,854	16,325,958	16,435,473	14,522,898
	9,971,548	5,473,938	5,141,557	1,591,179
Change in net unrealized appreciation (depreciation) of				
Unaffiliated investments	4,551,927	6,199,223	7,385,413	9,405,876
Affiliated investments	60,189,568	57,848,970	58,095,688	52,731,878
	64,741,495	64,048,193	65,481,101	62,137,754
Net realized and unrealized gain	74,713,043	69,522,131	70,622,658	63,728,933
Increase in net assets from operations	\$87,770,738	\$83,953,386	\$88,632,632	\$85,007,393

STATEMENTS OF OPERATIONS For the six months ended 2-29-24 (unaudited)

Continued

	Multimanager 2025 Lifetime Portfolio	Multimanager 2020 Lifetime Portfolio	Multimanager 2015 Lifetime Portfolio	Multimanager 2010 Lifetime Portfolio
Investment income				
Dividends from affiliated investments	\$16,645,051	\$9,174,075	\$3,506,184	\$2,657,437
Dividends from unaffiliated investments	407,743	164,669	58,122	33,970
Interest	992,023	501,961	174,294	123,169
Other income received from advisor	138,479	77,969	25,159	21,339
Total investment income	18,183,296	9,918,674	3,763,759	2,835,915
Expenses				
Investment management fees	1,140,734	627,411	238,339	180,511
Distribution and service fees	459,012	312,610	135,660	77,518
Accounting and legal services fees	106,615	55,971	20,629	15,128
Transfer agent fees	119,358	96,576	46,623	24,054
Trustees' fees	11,889	6,489	2,657	2,081
Custodian fees	16,102	16,102	16,102	16,102
State registration fees	40,931	40,389	39,766	40,419
Printing and postage	9,364	8,446	7,448	6,897
Professional fees	38,371	30,904	25,517	24,720
Other	16,384	12,529	10,317	9,843
Total expenses	1,958,760	1,207,427	543,058	397,273
Less expense reductions	(1,380,633)	(798,426)	(360,784)	(295,733)
Net expenses	578,127	409,001	182,274	101,540
Net investment income	17,605,169	9,509,673	3,581,485	2,734,375
Realized and unrealized gain (loss)				
Net realized gain (loss) on				
Unaffiliated investments	(6,413,148)	(3,077,688)	(921,234)	(537,429)
Affiliated investments	(1,801,018)	(2,570,359)	(385,994)	(1,203,779)
Capital gain distributions received from affiliated investments	8,481,458	3,319,396	938,313	523,966
	267,292	(2,328,651)	(368,915)	(1,217,242)
Change in net unrealized appreciation (depreciation) of				
Unaffiliated investments	7,424,879	3,624,447	1,237,691	785,439
Affiliated investments	29,618,616	14,628,010	4,341,318	3,447,903
	37,043,495	18,252,457	5,579,009	4,233,342
Net realized and unrealized gain	37,310,787	15,923,806	5,210,094	3,016,100
Increase in net assets from operations	\$54,915,956	\$25,433,479	\$8,791,579	\$5,750,475

STATEMENTS OF CHANGES IN NET ASSETS

	Multimanager 2065 Lifetime Portfolio		Multimanager 2060 Lifetime Portfolio		Multimanager 2055 Lifetime Portfolio	
	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23
Increase (decrease) in net assets						
From operations						
Net investment income	\$990,576	\$522,545	\$3,808,774	\$2,737,093	\$5,503,101	\$4,238,323
Net realized gain (loss)	844,517	(1,115,400)	3,596,102	(2,643,685)	4,807,773	(5,050,064)
Change in net unrealized appreciation (depreciation)	5,709,391	5,249,201	20,558,532	22,049,477	29,805,229	34,447,325
Increase in net assets resulting from operations	7,544,484	4,656,346	27,963,408	22,142,885	40,116,103	33,635,584
Distributions to shareholders						
From earnings						
Class A	(21,987)	(8,169)	(342,405)	(1,133,010)	(919,674)	(3,574,242)
Class I	(5,131)	(4,480)	(3,243)	(5,843)	(10,642)	(11,481)
Class R2	(2,125)	(2,192)	(31,268)	(85,120)	(31,608)	(124,787)
Class R4	(2,142)	(2,240)	(2,240)	(8,223)	(1,466)	(5,675)
Class R5	(9,316)	(4,022)	(83,480)	(173,313)	(138,330)	(399,896)
Class R6	(184,387)	(83,657)	(1,021,807)	(2,198,298)	(1,317,516)	(3,954,395)
Class 1	(2,292,529)	(1,495,583)	(7,765,378)	(21,003,115)	(9,752,951)	(33,044,014)
Total distributions	(2,517,617)	(1,600,343)	(9,249,821)	(24,606,922)	(12,172,187)	(41,114,490)
Portfolio share transactions						
From portfolio share transactions	15,516,298	24,781,433	21,895,773	53,371,633	16,333,415	57,280,626
Total increase	20,543,165	27,837,436	40,609,360	50,907,596	44,277,331	49,801,720
Net assets						
Beginning of period	57,434,037	29,596,601	241,388,676	190,481,080	361,072,132	311,270,412
End of period	\$77,977,202	\$57,434,037	\$281,998,036	\$241,388,676	\$405,349,463	\$361,072,132

STATEMENTS OF CHANGES IN NET ASSETS

Continued

	Multimanager 2050 Lifetime Portfolio		Multimanager 2045 Lifetime Portfolio		Multimanager 2040 Lifetime Portfolio	
	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23
Increase (decrease) in net assets						
From operations						
Net investment income	\$8,293,874	\$6,510,938	\$13,057,695	\$11,327,522	\$14,431,255	\$13,992,817
Net realized gain (loss)	6,449,694	(5,438,531)	9,971,548	1,822,802	5,473,938	(3,170,713)
Change in net unrealized appreciation (depreciation)	45,691,417	51,862,616	64,741,495	68,295,061	64,048,193	66,910,563
Increase in net assets resulting from operations	60,434,985	52,935,023	87,770,738	81,445,385	83,953,386	77,732,667
Distributions to shareholders						
From earnings						
Class A	(2,278,120)	(11,152,688)	(4,538,034)	(25,774,536)	(4,620,789)	(28,342,793)
Class I	(10,457)	(20,774)	(18,531)	(58,260)	(19,928)	(98,153)
Class R2	(106,965)	(621,436)	(189,269)	(1,111,913)	(149,852)	(935,236)
Class R4	(30,520)	(221,142)	(10,773)	(48,987)	(16,588)	(75,603)
Class R5	(126,454)	(448,397)	(181,401)	(888,773)	(206,516)	(911,042)
Class R6	(1,763,101)	(7,020,412)	(2,258,363)	(12,102,926)	(2,025,696)	(12,455,339)
Class I	(13,749,098)	(58,126,941)	(21,938,361)	(115,046,760)	(20,672,149)	(114,920,501)
Total distributions	(18,064,715)	(77,611,790)	(29,134,732)	(155,032,155)	(27,711,518)	(157,738,667)
Portfolio share transactions						
From portfolio share transactions	8,124,436	81,848,242	(2,794,696)	124,230,799	(22,765,271)	122,920,339
Total increase	50,494,706	57,171,475	55,841,310	50,644,029	33,476,597	42,914,339
Net assets						
Beginning of period	555,431,000	498,259,525	862,151,154	811,507,125	911,584,802	868,670,463
End of period	\$605,925,706	\$555,431,000	\$917,992,464	\$862,151,154	\$945,061,399	\$911,584,802

STATEMENTS OF CHANGES IN NET ASSETS

Continued

	Multimanager 2035 Lifetime Portfolio		Multimanager 2030 Lifetime Portfolio		Multimanager 2025 Lifetime Portfolio	
	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23
Increase (decrease) in net assets						
From operations						
Net investment income	\$18,009,974	\$19,117,114	\$21,278,460	\$25,869,493	\$17,605,169	\$25,233,355
Net realized gain (loss)	5,141,557	(7,566,141)	1,591,179	(19,203,821)	267,292	(17,511,673)
Change in net unrealized appreciation (depreciation)	65,481,101	68,092,995	62,137,754	71,427,858	37,043,495	45,118,106
Increase in net assets resulting from operations	88,632,632	79,643,968	85,007,393	78,093,530	54,915,956	52,839,788
Distributions to shareholders						
From earnings						
Class A	(4,865,115)	(30,272,074)	(6,308,326)	(32,082,259)	(6,502,792)	(27,179,952)
Class I	(6,715)	(15,063)	(45,127)	(281,455)	(81,049)	(308,913)
Class R2	(222,698)	(1,363,042)	(265,757)	(1,298,285)	(237,128)	(1,085,877)
Class R4	(5,861)	(28,822)	(30,063)	(123,134)	(17,372)	(94,710)
Class R5	(240,087)	(1,312,676)	(309,429)	(1,277,495)	(282,941)	(975,359)
Class R6	(2,289,379)	(13,428,691)	(2,685,925)	(13,467,532)	(2,269,596)	(9,188,003)
Class 1	(21,930,521)	(123,505,373)	(25,822,991)	(126,482,435)	(23,169,372)	(97,655,814)
Total distributions	(29,560,376)	(169,925,741)	(35,467,618)	(175,012,595)	(32,560,250)	(136,488,628)
Portfolio share transactions						
From portfolio share transactions	(19,466,357)	123,591,569	(35,611,475)	88,329,424	(52,043,124)	(15,410,595)
Total increase (decrease)	39,605,899	33,309,796	13,928,300	(8,589,641)	(29,687,418)	(99,059,435)
Net assets						
Beginning of period	1,062,666,004	1,029,356,208	1,171,531,183	1,180,120,824	921,851,183	1,020,910,618
End of period	\$1,102,271,903	\$1,062,666,004	\$1,185,459,483	\$1,171,531,183	\$892,163,765	\$921,851,183

STATEMENTS OF CHANGES IN NET ASSETS

Continued

	Multimanager 2020 Lifetime Portfolio		Multimanager 2015 Lifetime Portfolio		Multimanager 2010 Lifetime Portfolio	
	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23	Six months ended 2-29-24 (unaudited)	Year ended 8-31-23
Increase (decrease) in net assets						
From operations						
Net investment income	\$9,509,673	\$15,187,187	\$3,581,485	\$5,776,194	\$2,734,375	\$4,686,559
Net realized loss	(2,328,651)	(9,177,376)	(368,915)	(2,147,567)	(1,217,242)	(2,386,051)
Change in net unrealized appreciation (depreciation)	18,252,457	18,809,561	5,579,009	4,737,211	4,233,342	3,647,280
Increase in net assets resulting from operations	25,433,479	24,819,372	8,791,579	8,365,838	5,750,475	5,947,788
Distributions to shareholders						
From earnings						
Class A	(5,105,759)	(20,696,786)	(2,601,798)	(9,295,874)	(1,441,065)	(3,789,740)
Class I	(18,855)	(58,941)	(5,784)	(88,168)	(2,142)	(40,247)
Class R2	(137,170)	(658,324)	(17,175)	(63,668)	(4,889)	(51,882)
Class R4	(13,658)	(37,351)	(663)	(2,231)	(2,436)	(5,258)
Class R5	(285,313)	(939,893)	(17,482)	(61,495)	(40,981)	(154,650)
Class R6	(968,276)	(4,137,884)	(376,746)	(1,160,167)	(415,506)	(952,770)
Class 1	(9,584,119)	(40,183,832)	(3,158,596)	(11,151,614)	(3,014,709)	(8,189,002)
Total distributions	(16,113,150)	(66,713,011)	(6,178,244)	(21,823,217)	(4,921,728)	(13,183,549)
Portfolio share transactions						
From portfolio share transactions	(44,099,494)	(18,545,778)	(5,655,297)	(8,483,329)	(6,601,525)	(5,693,384)
Total decrease	(34,779,165)	(60,439,417)	(3,041,962)	(21,940,708)	(5,772,778)	(12,929,145)
Net assets						
Beginning of period	489,682,070	550,121,487	175,491,927	197,432,635	130,604,234	143,533,379
End of period	\$454,902,905	\$489,682,070	\$172,449,965	\$175,491,927	\$124,831,456	\$130,604,234

Financial highlights

Multimanager 2065 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ⁶		
Class A														
02-29-2024 ⁶	11.37	0.14 ⁷	1.10	1.24	(0.16)	(0.24)	(0.40)	12.21	11.02 ⁸	0.94 ⁹	0.42 ⁹	1.14 ^{7, 9}	905	8
08-31-2023	10.73	0.08 ⁷	0.98	1.06	(0.08)	(0.34)	(0.42)	11.37	10.36	1.11	0.42	0.77 ⁷	461	18
08-31-2022	13.58	0.10 ⁷	(2.53)	(2.43)	(0.10)	(0.32)	(0.42)	10.73	(18.51)	1.40	0.42	0.80 ⁷	190	52
08-31-2021 ¹⁰	10.00	0.06 ⁷	3.62	3.68	(0.05)	(0.05)	(0.10)	13.58	36.98 ⁸	5.26 ⁹	0.42 ⁹	0.51 ^{7, 9}	146	33
Class I														
02-29-2024 ⁶	11.40	0.17	1.08	1.25	(0.19)	(0.24)	(0.43)	12.22	11.12 ⁸	0.64 ⁹	0.12 ⁹	1.71 ^{7, 9}	157	8
08-31-2023	10.75	0.15 ⁷	0.95	1.10	(0.11)	(0.34)	(0.45)	11.40	10.79	0.81	0.12	1.40 ⁷	124	18
08-31-2022	13.61	0.15 ⁷	(2.55)	(2.40)	(0.14)	(0.32)	(0.46)	10.75	(18.29)	1.10	0.12	1.19 ⁷	54	52
08-31-2021 ¹⁰	10.00	0.13 ⁷	3.59	3.72	(0.06)	(0.05)	(0.11)	13.61	37.39 ⁸	4.96 ⁹	0.12 ⁹	1.13 ^{7, 9}	68	33
Class R2														
02-29-2024 ⁶	11.38	0.16 ⁷	1.09	1.25	(0.17)	(0.24)	(0.41)	12.22	11.08 ⁸	0.78 ⁹	0.26 ⁹	1.55 ^{7, 9}	63	8
08-31-2023	10.74	0.12 ⁷	0.96	1.08	(0.10)	(0.34)	(0.44)	11.38	10.55	0.95	0.26	1.14 ⁷	58	18
08-31-2022	13.59	0.13 ⁷	(2.54)	(2.41)	(0.12)	(0.32)	(0.44)	10.74	(18.36)	1.25	0.26	1.05 ⁷	54	52
08-31-2021 ¹⁰	10.00	0.11 ⁷	3.59	3.70	(0.06)	(0.05)	(0.11)	13.59	37.14 ⁸	5.11 ⁹	0.26 ⁹	0.98 ^{7, 9}	68	33
Class R4														
02-29-2024 ⁶	11.39	0.17 ⁷	1.08	1.25	(0.19)	(0.24)	(0.43)	12.21	11.10 ⁸	0.77 ⁹	0.15 ⁹	1.66 ^{7, 9}	62	8
08-31-2023	10.75	0.14 ⁷	0.95	1.09	(0.11)	(0.34)	(0.45)	11.39	10.66	0.95	0.16	1.25 ⁷	57	18
08-31-2022	13.60	0.14 ⁷	(2.54)	(2.40)	(0.13)	(0.32)	(0.45)	10.75	(18.26)	1.25	0.16	1.15 ⁷	54	52
08-31-2021 ¹⁰	10.00	0.12 ⁷	3.59	3.71	(0.06)	(0.05)	(0.11)	13.60	37.28 ⁸	5.11 ⁹	0.16 ⁹	1.09 ^{7, 9}	68	33
Class R5														
02-29-2024 ⁶	11.40	0.18 ⁷	1.08	1.26	(0.20)	(0.24)	(0.44)	12.22	11.19 ⁸	0.55 ⁹	0.04 ⁹	1.79 ^{7, 9}	302	8
08-31-2023	10.76	0.13 ⁷	0.97	1.10	(0.12)	(0.34)	(0.46)	11.40	10.82	0.72	0.03	1.17 ⁷	192	18
08-31-2022	13.62	0.15 ⁷	(2.54)	(2.39)	(0.15)	(0.32)	(0.47)	10.76	(18.19)	1.00	0.01	1.21 ⁷	76	52
08-31-2021 ¹⁰	10.00	0.14 ⁷	3.59	3.73	(0.06)	(0.05)	(0.11)	13.62	37.53 ⁸	4.86 ⁹	0.01 ⁹	1.23 ^{7, 9}	68	33
Class R6														
02-29-2024 ⁶	11.41	0.18 ⁷	1.08	1.26	(0.20)	(0.24)	(0.44)	12.23	11.23 ⁸	0.52 ⁹	0.01 ⁹	1.81 ^{7, 9}	5,617	8
08-31-2023	10.76	0.12 ⁷	0.99	1.11	(0.12)	(0.34)	(0.46)	11.41	10.90	0.70	0.01	1.13 ⁷	3,987	18
08-31-2022	13.62	0.14 ⁷	(2.53)	(2.39)	(0.15)	(0.32)	(0.47)	10.76	(18.20)	1.00	0.01	1.16 ⁷	1,601	52
08-31-2021 ¹⁰	10.00	0.11 ⁷	3.62	3.73	(0.06)	(0.05)	(0.11)	13.62	37.53 ⁸	4.86 ⁹	0.01 ⁹	0.98 ^{7, 9}	197	33
Class 1														
02-29-2024 ⁶	11.40	0.18 ⁷	1.08	1.26	(0.20)	(0.24)	(0.44)	12.22	11.20 ⁸	0.56 ⁹	0.05 ⁹	1.78 ^{7, 9}	70,871	8
08-31-2023	10.76	0.14 ⁷	0.96	1.10	(0.12)	(0.34)	(0.46)	11.40	10.76	0.74	0.05	1.25 ⁷	52,555	18
08-31-2022	13.61	0.12 ⁷	(2.51)	(2.39)	(0.14)	(0.32)	(0.46)	10.76	(18.17)	1.04	0.05	1.05 ⁷	27,569	52
08-31-2021 ¹⁰	10.00	0.05 ⁷	3.67	3.72	(0.06)	(0.05)	(0.11)	13.61	37.41 ⁸	4.90 ⁹	0.05 ⁹	0.42 ^{7, 9}	10,959	33

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, \$0.007, \$0.01 and \$0.01 per share and 0.07%, 0.06%, 0.08% and 0.11%, for the periods ended 2-29-24, 8-31-23, 8-31-22 and 8-31-21, respectively.

⁸ Not annualized.

⁹ Annualized.

¹⁰ Period from 9-23-20 (commencement of operations) to 8-31-21.

Multimanager 2060 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3,4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1,2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁶	Net investment income (loss) (%) ²		
Class A														
02-29-2024 ⁶	11.83	0.16 ⁷	1.13	1.29	(0.18)	(0.22)	(0.40)	12.72	11.04 ⁸	0.74 ⁹	0.42 ⁹	1.36 ^{7,9}	11,604	6
08-31-2023	12.21	0.11 ⁷	0.97	1.08	(0.09)	(1.37)	(1.46)	11.83	10.34	0.75	0.42	0.98 ⁷	10,101	14
08-31-2022	16.34	0.12 ⁷	(2.90)	(2.78)	(0.14)	(1.21)	(1.35)	12.21	(18.57)	0.73	0.42	0.88 ⁷	9,500	49
08-31-2021	13.12	0.10 ⁷	3.63	3.73	(0.12)	(0.39)	(0.51)	16.34	29.07	0.71	0.42	0.69 ⁷	12,113	19
08-31-2020	11.88	0.14 ⁷	1.85	1.99	(0.18)	(0.57)	(0.75)	13.12	17.20	0.84	0.43	1.20 ⁷	5,383	27
08-31-2019	12.91	0.14 ⁷	(0.41)	(0.27)	(0.16)	(0.60)	(0.76)	11.88	(1.30)	0.88	0.41	1.22 ⁷	2,136	27
Class I														
02-29-2024 ⁶	11.88	0.15 ⁷	1.16	1.31	(0.21)	(0.22)	(0.43)	12.76	11.22 ⁸	0.43 ⁹	0.12 ⁹	1.27 ^{7,9}	165	6
08-31-2023	12.26	0.16 ⁷	0.96	1.12	(0.13)	(1.37)	(1.50)	11.88	10.69	0.45	0.12	1.35 ⁷	47	14
08-31-2022	16.39	0.18 ⁷	(2.91)	(2.73)	(0.18)	(1.22)	(1.40)	12.26	(18.26)	0.43	0.12	1.23 ⁷	48	49
08-31-2021	13.16	0.16 ⁷	3.62	3.78	(0.16)	(0.39)	(0.55)	16.39	29.38	0.41	0.11	1.10 ⁷	66	19
08-31-2020	11.91	0.22 ⁷	1.82	2.04	(0.22)	(0.57)	(0.79)	13.16	17.60	0.54	0.13	1.82 ⁷	53	27
08-31-2019	12.95	0.20 ⁷	(0.45)	(0.25)	(0.19)	(0.60)	(0.79)	11.91	(1.06)	0.59	0.13	1.66 ⁷	47	27
Class R2														
02-29-2024 ⁶	11.83	0.15 ⁷	1.13	1.28	(0.17)	(0.22)	(0.39)	12.72	10.96 ⁸	0.82 ⁹	0.51 ⁹	1.32 ^{7,9}	1,005	6
08-31-2023	12.20	0.10 ⁷	0.98	1.08	(0.08)	(1.37)	(1.45)	11.83	10.32	0.83	0.50	0.83 ⁷	915	14
08-31-2022	16.33	0.10 ⁷	(2.89)	(2.79)	(0.12)	(1.22)	(1.34)	12.20	(18.65)	0.83	0.51	0.71 ⁷	706	49
08-31-2021	13.12	0.10 ⁷	3.63	3.73	(0.13)	(0.39)	(0.52)	16.33	29.02	0.78	0.49	0.65 ⁷	646	19
08-31-2020	11.88	0.17 ⁷	1.83	2.00	(0.19)	(0.57)	(0.76)	13.12	17.24	0.83	0.41	1.43 ⁷	156	27
08-31-2019	12.92	0.16 ⁷	(0.43)	(0.27)	(0.17)	(0.60)	(0.77)	11.88	(1.27)	0.83	0.36	1.31 ⁷	95	27
Class R4														
02-29-2024 ⁶	11.87	0.17 ⁷	1.14	1.31	(0.21)	(0.22)	(0.43)	12.75	11.16 ⁸	0.59 ⁹	0.18 ⁹	1.63 ^{7,9}	68	6
08-31-2023	12.24	0.15 ⁷	0.96	1.11	(0.11)	(1.37)	(1.48)	11.87	10.60	0.62	0.19	1.26 ⁷	64	14
08-31-2022	16.37	0.17 ⁷	(2.91)	(2.74)	(0.17)	(1.22)	(1.39)	12.24	(18.36)	0.62	0.21	1.16 ⁷	72	49
08-31-2021	13.14	0.14 ⁷	3.63	3.77	(0.15)	(0.39)	(0.54)	16.37	29.37	0.58	0.18	0.96 ⁷	152	19
08-31-2020	11.90	0.21 ⁷	1.82	2.03	(0.22)	(0.57)	(0.79)	13.14	17.47	0.68	0.16	1.75 ⁷	74	27
08-31-2019	12.93	0.19 ⁷	(0.43)	(0.24)	(0.19)	(0.60)	(0.79)	11.90	(1.00)	0.73	0.16	1.59 ⁷	55	27
Class R5														
02-29-2024 ⁶	11.87	0.17 ⁷	1.14	1.31	(0.22)	(0.22)	(0.44)	12.74	11.20 ⁸	0.37 ⁹	0.06 ⁹	1.63 ^{7,9}	2,749	6
08-31-2023	12.26	0.12 ⁷	0.99	1.11	(0.13)	(1.37)	(1.50)	11.87	10.67	0.39	0.06	1.04 ⁷	2,835	14
08-31-2022	16.39	0.17 ⁷	(2.89)	(2.72)	(0.19)	(1.22)	(1.41)	12.26	(18.21)	0.37	0.06	1.27 ⁷	1,261	49
08-31-2021	13.15	0.17 ⁷	3.62	3.79	(0.16)	(0.39)	(0.55)	16.39	29.53	0.36	0.06	1.17 ⁷	424	19
08-31-2020	11.90	0.18 ⁷	1.87	2.05	(0.23)	(0.57)	(0.80)	13.15	17.67	0.48	0.06	1.55 ⁷	382	27
08-31-2019	12.94	0.17 ⁷	(0.41)	(0.24)	(0.20)	(0.60)	(0.80)	11.90	(0.96)	0.53	0.06	1.44 ⁷	168	27
Class R6														
02-29-2024 ⁶	11.89	0.18 ⁷	1.14	1.32	(0.23)	(0.22)	(0.45)	12.76	11.23 ⁸	0.32 ⁹	0.01 ⁹	1.80 ^{7,9}	31,324	6
08-31-2023	12.27	0.15 ⁷	0.98	1.13	(0.14)	(1.37)	(1.51)	11.89	10.81	0.34	0.01	1.28 ⁷	25,496	14
08-31-2022	16.41	0.17 ⁷	(2.89)	(2.72)	(0.20)	(1.22)	(1.42)	12.27	(18.21)	0.32	0.01	1.25 ⁷	16,811	49
08-31-2021	13.17	0.17 ⁷	3.63	3.80	(0.17)	(0.39)	(0.56)	16.41	29.54	0.31	0.01	1.16 ⁷	10,594	19
08-31-2020	11.92	0.19 ⁷	1.87	2.06	(0.24)	(0.57)	(0.81)	13.17	17.71	0.43	—	1.61 ⁷	3,805	27
08-31-2019	12.95	0.22 ⁷	(0.45)	(0.23)	(0.20)	(0.60)	(0.80)	11.92	(0.86)	0.48	—	1.84 ⁷	1,611	27

Financial highlights continued

Multimanager 2060 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3,4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1,2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²			
Class 1															
02-29-2024 ⁶	11.88	0.18 ⁷	1.13	1.31	(0.22)	(0.22)	(0.44)	12.75	11.20 ⁸	0.36 ⁹	0.05 ⁹	1.78 ^{7,9}	235,083	6	
08-31-2023	12.26	0.15 ⁷	0.97	1.12	(0.13)	(1.37)	(1.50)	11.88	10.76	0.38	0.05	1.32 ⁷	201,931	14	
08-31-2022	16.40	0.17 ⁷	(2.90)	(2.73)	(0.19)	(1.22)	(1.41)	12.26	(18.26)	0.36	0.05	1.21 ⁷	162,083	49	
08-31-2021	13.16	0.17 ⁷	3.63	3.80	(0.17)	(0.39)	(0.56)	16.40	29.52	0.35	0.05	1.12 ⁷	183,616	19	
08-31-2020	11.91	0.21 ⁷	1.84	2.05	(0.23)	(0.57)	(0.80)	13.16	17.66	0.47	0.05	1.74 ⁷	128,704	27	
08-31-2019	12.94	0.18 ⁷	(0.41)	(0.23)	(0.20)	(0.60)	(0.80)	11.91	(0.92)	0.52	0.05	1.55 ⁷	79,730	27	

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, \$0.007, \$0.01, \$0.02, \$0.01, and \$0.02 per share and 0.07%, 0.06%, 0.09%, 0.12%, 0.13%, and 0.17%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Not annualized.

⁹ Annualized.

Multimanager 2055 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁶	Net investment income (loss) (%) ⁷		
Class A														
02-29-2024 ⁶	10.37	0.14 ⁷	0.99	1.13	(0.15)	(0.16)	(0.31)	11.19	11.07 ⁸	0.71 ⁹	0.42 ⁹	1.36 ^{7, 9}	33,272	7
08-31-2023	10.79	0.10 ⁷	0.84	0.94	(0.07)	(1.29)	(1.36)	10.37	10.28	0.71	0.42	0.96 ⁷	30,960	16
08-31-2022	14.51	0.11 ⁷	(2.56)	(2.45)	(0.12)	(1.15)	(1.27)	10.79	(18.54)	0.69	0.42	0.87 ⁷	29,003	48
08-31-2021	11.72	0.09 ⁷	3.21	3.30	(0.10)	(0.41)	(0.51)	14.51	28.87	0.66	0.42	0.71 ⁷	38,649	20
08-31-2020	10.83	0.14 ⁷	1.67	1.81	(0.17)	(0.75)	(0.92)	11.72	17.26	0.71	0.43	1.34 ⁷	23,530	30
08-31-2019	12.19	0.14 ⁷	(0.45)	(0.31)	(0.16)	(0.89)	(1.05)	10.83	(1.30)	0.68	0.41	1.25 ⁷	13,755	29
Class I														
02-29-2024 ⁶	10.41	0.14 ⁷	1.00	1.14	(0.18)	(0.16)	(0.34)	11.21	11.14 ⁸	0.41 ⁹	0.12 ⁹	1.40 ^{7, 9}	686	7
08-31-2023	10.83	0.13 ⁷	0.84	0.97	(0.10)	(1.29)	(1.39)	10.41	10.63	0.41	0.11	1.30 ⁷	79	16
08-31-2022	14.56	0.15 ⁷	(2.56)	(2.41)	(0.17)	(1.15)	(1.32)	10.83	(18.29)	0.39	0.12	1.17 ⁷	101	48
08-31-2021	11.75	0.13 ⁷	3.22	3.35	(0.13)	(0.41)	(0.54)	14.56	29.27	0.36	0.11	0.95 ⁷	135	20
08-31-2020	10.86	0.19 ⁷	1.65	1.84	(0.20)	(0.75)	(0.95)	11.75	17.57	0.41	0.13	1.80 ⁷	69	30
08-31-2019	12.22	0.18 ⁷	(0.45)	(0.27)	(0.20)	(0.89)	(1.09)	10.86	(1.01)	0.39	0.13	1.62 ⁷	57	29
Class R2														
02-29-2024 ⁶	10.36	0.13 ⁷	0.99	1.12	(0.15)	(0.16)	(0.31)	11.17	10.89 ⁸	0.79 ⁹	0.50 ⁹	1.23 ^{7, 9}	1,219	7
08-31-2023	10.78	0.09 ⁷	0.84	0.93	(0.06)	(1.29)	(1.35)	10.36	10.18	0.80	0.51	0.87 ⁷	1,041	16
08-31-2022	14.50	0.10 ⁷	(2.56)	(2.46)	(0.11)	(1.15)	(1.26)	10.78	(18.61)	0.78	0.51	0.78 ⁷	936	48
08-31-2021	11.71	0.10 ⁷	3.19	3.29	(0.09)	(0.41)	(0.50)	14.50	28.79	0.75	0.51	0.78 ⁷	1,054	20
08-31-2020	10.83	0.14 ⁷	1.65	1.79	(0.16)	(0.75)	(0.91)	11.71	17.07	0.80	0.52	1.35 ⁷	806	30
08-31-2019	12.19	0.11 ⁷	(0.42)	(0.31)	(0.16)	(0.89)	(1.05)	10.83	(1.35)	0.78	0.51	1.05 ⁷	602	29
Class R4														
02-29-2024 ⁶	10.41	0.15 ⁷	0.99	1.14	(0.18)	(0.16)	(0.34)	11.21	11.12 ⁸	0.55 ⁹	0.16 ⁹	1.67 ^{7, 9}	48	7
08-31-2023	10.83	0.13 ⁷	0.84	0.97	(0.10)	(1.29)	(1.39)	10.41	10.56	0.56	0.16	1.29 ⁷	44	16
08-31-2022	14.55	0.15 ⁷	(2.58)	(2.43)	(0.14)	(1.15)	(1.29)	10.83	(18.27)	0.53	0.16	1.19 ⁷	44	48
08-31-2021	11.74	0.14 ⁷	3.20	3.34	(0.12)	(0.41)	(0.53)	14.55	29.19	0.50	0.16	1.05 ⁷	59	20
08-31-2020	10.85	0.19 ⁷	1.65	1.84	(0.20)	(0.75)	(0.95)	11.74	17.53	0.55	0.16	1.83 ⁷	48	30
08-31-2019	12.22	0.18 ⁷	(0.46)	(0.28)	(0.20)	(0.89)	(1.09)	10.85	(1.04)	0.53	0.16	1.65 ⁷	44	29
Class R5														
02-29-2024 ⁶	10.42	0.16 ⁷	0.99	1.15	(0.19)	(0.16)	(0.35)	11.22	11.19 ⁸	0.35 ⁹	0.06 ⁹	1.69 ^{7, 9}	4,686	7
08-31-2023	10.85	0.12 ⁷	0.85	0.97	(0.11)	(1.29)	(1.40)	10.42	10.59	0.35	0.06	1.19 ⁷	4,522	16
08-31-2022	14.58	0.16 ⁷	(2.57)	(2.41)	(0.17)	(1.15)	(1.32)	10.85	(18.21)	0.33	0.06	1.32 ⁷	2,940	48
08-31-2021	11.76	0.16 ⁷	3.21	3.37	(0.14)	(0.41)	(0.55)	14.58	29.41	0.30	0.06	1.17 ⁷	1,337	20
08-31-2020	10.86	0.17 ⁷	1.69	1.86	(0.21)	(0.75)	(0.96)	11.76	17.72	0.35	0.06	1.59 ⁷	195	30
08-31-2019	12.23	0.18 ⁷	(0.46)	(0.28)	(0.20)	(0.89)	(1.09)	10.86	(0.97)	0.33	0.06	1.61 ⁷	97	29
Class R6														
02-29-2024 ⁶	10.42	0.16 ⁷	1.00	1.16	(0.20)	(0.16)	(0.36)	11.22	11.24 ⁸	0.29 ⁹	0.01 ⁹	1.75 ^{7, 9}	43,992	7
08-31-2023	10.85	0.13 ⁷	0.84	0.97	(0.11)	(1.29)	(1.40)	10.42	10.66	0.30	0.01	1.29 ⁷	38,922	16
08-31-2022	14.58	0.16 ⁷	(2.56)	(2.40)	(0.18)	(1.15)	(1.33)	10.85	(18.17)	0.28	0.01	1.27 ⁷	31,635	48
08-31-2021	11.76	0.15 ⁷	3.23	3.38	(0.15)	(0.41)	(0.56)	14.58	29.47	0.25	0.01	1.11 ⁷	25,449	20
08-31-2020	10.87	0.18 ⁷	1.68	1.86	(0.22)	(0.75)	(0.97)	11.76	17.68	0.30	—	1.74 ⁷	10,042	30
08-31-2019	12.23	0.18 ⁷	(0.44)	(0.26)	(0.21)	(0.89)	(1.10)	10.87	(0.80)	0.28	—	1.65 ⁷	5,437	29

Financial highlights continued

Multimanager 2055 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²		
Class 1														
02-29-2024 ⁶	10.42	0.16 ⁷	0.98	1.14	(0.19)	(0.16)	(0.35)	11.21	11.10 ⁸	0.34 ⁹	0.05 ⁹	1.77 ^{7, 9}	321,446	7
08-31-2023	10.84	0.14 ⁷	0.84	0.98	(0.11)	(1.29)	(1.40)	10.42	10.72	0.35	0.05	1.33 ⁷	285,504	16
08-31-2022	14.57	0.15 ⁷	(2.56)	(2.41)	(0.17)	(1.15)	(1.32)	10.84	(18.22)	0.32	0.05	1.22 ⁷	246,611	48
08-31-2021	11.75	0.15 ⁷	3.22	3.37	(0.14)	(0.41)	(0.55)	14.57	29.44	0.29	0.05	1.14 ⁷	292,979	20
08-31-2020	10.86	0.19 ⁷	1.66	1.85	(0.21)	(0.75)	(0.96)	11.75	17.63	0.34	0.05	1.81 ⁷	235,255	30
08-31-2019	12.23	0.18 ⁷	(0.45)	(0.27)	(0.21)	(0.89)	(1.10)	10.86	(0.94)	0.31	0.05	1.63 ⁷	186,409	29

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, \$0.005, \$0.01, \$0.02, \$0.01, and \$0.02 per share and 0.06%, 0.05%, 0.08%, 0.11%, 0.12%, and 0.16%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Not annualized.

⁹ Annualized.

Multimanager 2050 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁶	Net investment income (loss) (%) ⁷		
Class A														
02-29-2024 ⁶	10.71	0.14 ⁷	1.02	1.16	(0.18)	(0.14)	(0.32)	11.55	10.94 ⁸	0.69 ⁹	0.42 ⁹	1.37 ^{7, 9}	82,875	8
08-31-2023	11.48	0.10 ⁷	0.87	0.97	(0.08)	(1.66)	(1.74)	10.71	10.35	0.69	0.42	0.96 ⁷	77,455	17
08-31-2022	15.43	0.12 ⁷	(2.73)	(2.61)	(0.12)	(1.22)	(1.34)	11.48	(18.56)	0.66	0.42	0.88 ⁷	74,589	48
08-31-2021	12.51	0.10 ⁷	3.42	3.52	(0.12)	(0.48)	(0.60)	15.43	28.92	0.63	0.42	0.75 ⁷	99,779	19
08-31-2020	11.65	0.16 ⁷	1.77	1.93	(0.18)	(0.89)	(1.07)	12.51	17.20	0.66	0.43	1.42 ⁷	73,101	31
08-31-2019	13.29	0.15 ⁷	(0.51)	(0.36)	(0.16)	(1.12)	(1.28)	11.65	(1.33)	0.62	0.41	1.28 ⁷	54,552	31
Class I														
02-29-2024 ⁶	10.75	0.12 ⁷	1.06	1.18	(0.21)	(0.14)	(0.35)	11.58	11.11 ⁸	0.39 ⁹	0.12 ⁹	0.96 ^{7, 9}	948	8
08-31-2023	11.52	0.14 ⁷	0.86	1.00	(0.11)	(1.66)	(1.77)	10.75	10.69	0.39	0.12	1.28 ⁷	151	17
08-31-2022	15.48	0.18 ⁷	(2.75)	(2.57)	(0.17)	(1.22)	(1.39)	11.52	(18.31)	0.36	0.12	1.32 ⁷	134	48
08-31-2021	12.55	0.09 ⁷	3.48	3.57	(0.16)	(0.48)	(0.64)	15.48	29.32	0.33	0.11	0.64 ⁷	187	19
08-31-2020	11.68	0.18 ⁷	1.80	1.98	(0.22)	(0.89)	(1.11)	12.55	17.49	0.36	0.13	1.53 ⁷	67	31
08-31-2019	13.32	0.27 ⁷	(0.59)	(0.32)	(0.20)	(1.12)	(1.32)	11.68	(0.96)	0.33	0.13	2.33 ⁷	56	31
Class R2														
02-29-2024 ⁶	10.70	0.13 ⁷	1.03	1.16	(0.17)	(0.14)	(0.31)	11.55	10.95 ⁸	0.76 ⁹	0.49 ⁹	1.21 ^{7, 9}	4,180	8
08-31-2023	11.47	0.09 ⁷	0.87	0.96	(0.07)	(1.66)	(1.73)	10.70	10.23	0.78	0.50	0.87 ⁷	3,853	17
08-31-2022	15.42	0.10 ⁷	(2.72)	(2.62)	(0.11)	(1.22)	(1.33)	11.47	(18.64)	0.75	0.51	0.75 ⁷	3,904	48
08-31-2021	12.51	0.10 ⁷	3.41	3.51	(0.12)	(0.48)	(0.60)	15.42	28.78	0.72	0.51	0.71 ⁷	5,393	19
08-31-2020	11.65	0.15 ⁷	1.78	1.93	(0.18)	(0.89)	(1.07)	12.51	17.12	0.75	0.51	1.27 ⁷	1,358	31
08-31-2019	13.29	0.12 ⁷	(0.49)	(0.37)	(0.15)	(1.12)	(1.27)	11.65	(1.44)	0.71	0.50	1.05 ⁷	1,264	31
Class R4														
02-29-2024 ⁶	10.72	0.13 ⁷	1.04	1.17	(0.19)	(0.14)	(0.33)	11.56	11.09 ⁸	0.62 ⁹	0.25 ⁹	1.23 ^{7, 9}	1,059	8
08-31-2023	11.50	0.12 ⁷	0.86	0.98	(0.10)	(1.66)	(1.76)	10.72	10.45	0.63	0.26	1.12 ⁷	1,607	17
08-31-2022	15.45	0.14 ⁷	(2.72)	(2.58)	(0.15)	(1.22)	(1.37)	11.50	(18.39)	0.60	0.26	1.05 ⁷	1,333	48
08-31-2021	12.52	0.14 ⁷	3.41	3.55	(0.14)	(0.48)	(0.62)	15.45	29.16	0.57	0.26	0.96 ⁷	1,476	19
08-31-2020	11.66	0.19 ⁷	1.76	1.95	(0.20)	(0.89)	(1.09)	12.52	17.37	0.60	0.26	1.67 ⁷	1,073	31
08-31-2019	13.30	0.18 ⁷	(0.52)	(0.34)	(0.18)	(1.12)	(1.30)	11.66	(1.13)	0.57	0.26	1.50 ⁷	776	31
Class R5														
02-29-2024 ⁶	10.76	0.15 ⁷	1.03	1.18	(0.21)	(0.14)	(0.35)	11.59	11.16 ⁸	0.33 ⁹	0.06 ⁹	1.59 ^{7, 9}	4,524	8
08-31-2023	11.54	0.12 ⁷	0.88	1.00	(0.12)	(1.66)	(1.78)	10.76	10.67	0.33	0.06	1.11 ⁷	4,682	17
08-31-2022	15.49	0.16 ⁷	(2.71)	(2.55)	(0.18)	(1.22)	(1.40)	11.54	(18.19)	0.30	0.06	1.25 ⁷	2,499	48
08-31-2021	12.55	0.21 ⁷	3.37	3.58	(0.16)	(0.48)	(0.64)	15.49	29.36	0.27	0.06	1.47 ⁷	863	19
08-31-2020	11.68	0.24 ⁷	1.75	1.99	(0.23)	(0.89)	(1.12)	12.55	17.67	0.30	0.06	2.06 ⁷	29	31
08-31-2019	13.34	0.23 ⁷	(0.56)	(0.33)	(0.21)	(1.12)	(1.33)	11.68	(1.05)	0.28	0.07	1.84 ⁷	34	31
Class R6														
02-29-2024 ⁶	10.76	0.16 ⁷	1.04	1.20	(0.22)	(0.14)	(0.36)	11.60	11.30 ⁸	0.28 ⁹	0.01 ⁹	1.68 ^{7, 9}	59,571	8
08-31-2023	11.54	0.14 ⁷	0.87	1.01	(0.13)	(1.66)	(1.79)	10.76	10.73	0.28	0.01	1.30 ⁷	57,496	17
08-31-2022	15.50	0.17 ⁷	(2.73)	(2.56)	(0.18)	(1.22)	(1.40)	11.54	(18.20)	0.25	0.01	1.26 ⁷	46,800	48
08-31-2021	12.56	0.16 ⁷	3.43	3.59	(0.17)	(0.48)	(0.65)	15.50	29.40	0.22	0.01	1.14 ⁷	43,703	19
08-31-2020	11.69	0.20 ⁷	1.79	1.99	(0.23)	(0.89)	(1.12)	12.56	17.72	0.25	—	1.79 ⁷	23,312	31
08-31-2019	13.34	0.18 ⁷	(0.49)	(0.31)	(0.22)	(1.12)	(1.34)	11.69	(0.90)	0.22	—	1.52 ⁷	15,426	31

Financial highlights continued

Multimanager 2050 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²			
Class 1															
02-29-2024 ⁶	10.74	0.16 ⁷	1.03	1.19	(0.22)	(0.14)	(0.36)	11.57	11.19 ⁸	0.32 ⁹	0.05 ⁹	1.77 ^{7, 9}	452,769	8	
08-31-2023	11.52	0.14 ⁷	0.86	1.00	(0.12)	(1.66)	(1.78)	10.74	10.69	0.33	0.05	1.32 ⁷	410,188	17	
08-31-2022	15.48	0.16 ⁷	(2.72)	(2.56)	(0.18)	(1.22)	(1.40)	11.52	(18.26)	0.30	0.05	1.22 ⁷	369,001	48	
08-31-2021	12.54	0.16 ⁷	3.42	3.58	(0.16)	(0.48)	(0.64)	15.48	29.40	0.26	0.05	1.13 ⁷	459,795	19	
08-31-2020	11.67	0.21 ⁷	1.78	1.99	(0.23)	(0.89)	(1.12)	12.54	17.69	0.29	0.05	1.85 ⁷	377,659	31	
08-31-2019	13.32	0.20 ⁷	(0.52)	(0.32)	(0.21)	(1.12)	(1.33)	11.67	(0.97)	0.26	0.05	1.66 ⁷	329,347	31	

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, \$0.005, \$0.01, \$0.02, \$0.01, and \$0.02 per share and 0.05%, 0.04%, 0.07%, 0.10%, 0.11%, and 0.15%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Not annualized.

⁹ Annualized.

Multimanager 2045 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3,4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1,2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁶	Net investment income (loss) (%) ²		
Class A														
02-29-2024 ⁶	9.11	0.13 ⁷	0.82	0.95	(0.15)	(0.14)	(0.29)	9.77	10.57 ⁸	0.69 ⁹	0.42 ⁹	1.53 ^{7,9}	154,247	9
08-31-2023	10.28	0.10 ⁷	0.68	0.78	(0.08)	(1.87)	(1.95)	9.11	9.96	0.68	0.42	1.07 ⁷	143,191	17
08-31-2022	13.72	0.11 ⁷	(2.42)	(2.31)	(0.11)	(1.02)	(1.13)	10.28	(18.42)	0.65	0.42	0.93 ⁷	137,181	47
08-31-2021	11.22	0.10 ⁷	3.05	3.15	(0.12)	(0.53)	(0.65)	13.72	28.93	0.61	0.42	0.78 ⁷	180,069	18
08-31-2020	10.71	0.15 ⁷	1.61	1.76	(0.17)	(1.08)	(1.25)	11.22	17.15	0.64	0.43	1.45 ⁷	132,866	32
08-31-2019	12.40	0.14 ⁷	(0.49)	(0.35)	(0.16)	(1.18)	(1.34)	10.71	(1.29)	0.60	0.41	1.32 ⁷	104,554	33
Class I														
02-29-2024 ⁶	9.21	0.14 ⁷	0.83	0.97	(0.18)	(0.14)	(0.32)	9.86	10.65 ⁸	0.39 ⁹	0.12 ⁹	1.72 ^{7,9}	835	9
08-31-2023	10.37	0.12 ⁷	0.71	0.83	(0.12)	(1.87)	(1.99)	9.21	10.37	0.38	0.12	1.28 ⁷	401	17
08-31-2022	13.84	0.14 ⁷	(2.44)	(2.30)	(0.15)	(1.02)	(1.17)	10.37	(18.23)	0.35	0.12	1.14 ⁷	309	47
08-31-2021	11.31	0.13 ⁷	3.08	3.21	(0.15)	(0.53)	(0.68)	13.84	29.28	0.31	0.12	1.02 ⁷	268	18
08-31-2020	10.77	0.19 ⁷	1.63	1.82	(0.20)	(1.08)	(1.28)	11.31	17.70	0.34	0.13	1.85 ⁷	172	32
08-31-2019	12.48	0.14 ⁷	(0.48)	(0.34)	(0.19)	(1.18)	(1.37)	10.77	(1.12)	0.31	0.12	1.33 ⁷	199	33
Class R2														
02-29-2024 ⁶	9.16	0.12 ⁷	0.83	0.95	(0.14)	(0.14)	(0.28)	9.83	10.53 ⁸	0.77 ⁹	0.50 ⁹	1.43 ^{7,9}	6,921	9
08-31-2023	10.33	0.09 ⁷	0.68	0.77	(0.07)	(1.87)	(1.94)	9.16	9.78	0.77	0.51	0.98 ⁷	6,258	17
08-31-2022	13.78	0.10 ⁷	(2.43)	(2.33)	(0.10)	(1.02)	(1.12)	10.33	(18.48)	0.74	0.51	0.82 ⁷	5,709	47
08-31-2021	11.27	0.10 ⁷	3.05	3.15	(0.11)	(0.53)	(0.64)	13.78	28.81	0.71	0.51	0.77 ⁷	7,060	18
08-31-2020	10.75	0.14 ⁷	1.62	1.76	(0.16)	(1.08)	(1.24)	11.27	17.08	0.72	0.51	1.33 ⁷	3,114	32
08-31-2019	12.43	0.13 ⁷	(0.49)	(0.36)	(0.14)	(1.18)	(1.32)	10.75	(1.36)	0.69	0.51	1.23 ⁷	2,592	33
Class R4														
02-29-2024 ⁶	9.15	0.14 ⁷	0.83	0.97	(0.17)	(0.14)	(0.31)	9.81	10.57 ⁸	0.62 ⁹	0.25 ⁹	1.72 ^{7,9}	364	9
08-31-2023	10.32	0.11 ⁷	0.69	0.80	(0.10)	(1.87)	(1.97)	9.15	10.23	0.62	0.26	1.19 ⁷	308	17
08-31-2022	13.78	0.13 ⁷	(2.44)	(2.31)	(0.13)	(1.02)	(1.15)	10.32	(18.35)	0.59	0.26	1.05 ⁷	245	47
08-31-2021	11.26	0.12 ⁷	3.06	3.18	(0.13)	(0.53)	(0.66)	13.78	29.17	0.56	0.26	0.92 ⁷	262	18
08-31-2020	10.74	0.15 ⁷	1.63	1.78	(0.18)	(1.08)	(1.26)	11.26	17.38	0.57	0.26	1.47 ⁷	181	32
08-31-2019	12.43	0.15 ⁷	(0.48)	(0.33)	(0.18)	(1.18)	(1.36)	10.74	(1.13)	0.54	0.26	1.38 ⁷	174	33
Class R5														
02-29-2024 ⁶	9.25	0.14 ⁷	0.83	0.97	(0.18)	(0.14)	(0.32)	9.90	10.67 ⁸	0.32 ⁹	0.06 ⁹	1.83 ^{7,9}	5,941	9
08-31-2023	10.41	0.12 ⁷	0.71	0.83	(0.12)	(1.87)	(1.99)	9.25	10.41	0.32	0.06	1.32 ⁷	5,846	17
08-31-2022	13.88	0.17 ⁷	(2.46)	(2.29)	(0.16)	(1.02)	(1.18)	10.41	(18.12)	0.29	0.06	1.42 ⁷	4,843	47
08-31-2021	11.34	0.16 ⁷	3.06	3.22	(0.15)	(0.53)	(0.68)	13.88	29.36	0.26	0.06	1.23 ⁷	3,009	18
08-31-2020	10.80	0.19 ⁷	1.64	1.83	(0.21)	(1.08)	(1.29)	11.34	17.71	0.27	0.06	1.79 ⁷	1,990	32
08-31-2019	12.50	0.22 ⁷	(0.54)	(0.32)	(0.20)	(1.18)	(1.38)	10.80	(0.99)	0.25	0.06	1.98 ⁷	1,484	33
Class R6														
02-29-2024 ⁶	9.21	0.14 ⁷	0.84	0.98	(0.19)	(0.14)	(0.33)	9.86	10.76 ⁸	0.27 ⁹	0.01 ⁹	1.80 ^{7,9}	70,628	9
08-31-2023	10.38	0.13 ⁷	0.70	0.83	(0.13)	(1.87)	(2.00)	9.21	10.38	0.27	0.01	1.45 ⁷	72,695	17
08-31-2022	13.85	0.16 ⁷	(2.43)	(2.27)	(0.17)	(1.03)	(1.20)	10.38	(18.12)	0.24	0.01	1.35 ⁷	61,640	47
08-31-2021	11.31	0.15 ⁷	3.08	3.23	(0.16)	(0.53)	(0.69)	13.85	29.50	0.21	0.01	1.20 ⁷	60,389	18
08-31-2020	10.78	0.19 ⁷	1.63	1.82	(0.21)	(1.08)	(1.29)	11.31	17.72	0.22	—	1.84 ⁷	38,164	32
08-31-2019	12.48	0.18 ⁷	(0.49)	(0.31)	(0.21)	(1.18)	(1.39)	10.78	(0.89)	0.20	—	1.70 ⁷	29,020	33

Financial highlights continued

Multimanager 2045 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²		
Class 1														
02-29-2024 ⁶	9.22	0.14 ⁷	0.84	0.98	(0.18)	(0.14)	(0.32)	9.88	10.82 ⁸	0.32 ⁹	0.05 ⁹	1.89 ^{7, 9}	679,056	9
08-31-2023	10.39	0.13 ⁷	0.69	0.82	(0.12)	(1.87)	(1.99)	9.22	10.32	0.32	0.05	1.44 ⁷	633,452	17
08-31-2022	13.86	0.15 ⁷	(2.44)	(2.29)	(0.16)	(1.02)	(1.18)	10.39	(18.14)	0.28	0.05	1.28 ⁷	601,581	47
08-31-2021	11.32	0.15 ⁷	3.07	3.22	(0.15)	(0.53)	(0.68)	13.86	29.42	0.25	0.05	1.16 ⁷	765,559	18
08-31-2020	10.79	0.20 ⁷	1.62	1.82	(0.21)	(1.08)	(1.29)	11.32	17.65	0.26	0.05	1.88 ⁷	638,101	32
08-31-2019	12.49	0.19 ⁷	(0.51)	(0.32)	(0.20)	(1.18)	(1.38)	10.79	(0.95)	0.23	0.05	1.69 ⁷	599,868	33

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, \$0.005, \$0.01, \$0.02, \$0.01, and \$0.02 per share and 0.06%, 0.06%, 0.09%, 0.12%, 0.13%, and 0.16%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Not annualized.

⁹ Annualized.

Multimanager 2040 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3,4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1,2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁶	Net investment income (loss) (%) ²		
Class A														
02-29-2024 ⁶	9.25	0.14 ⁷	0.75	0.89	(0.19)	(0.08)	(0.27)	9.87	9.70 ⁸	0.70 ⁹	0.42 ⁹	1.76 ^{7,9}	172,222	9
08-31-2023	10.41	0.12 ⁷	0.59	0.71	(0.09)	(1.78)	(1.87)	9.25	8.87	0.69	0.42	1.29 ⁷	164,166	19
08-31-2022	13.88	0.13 ⁷	(2.43)	(2.30)	(0.12)	(1.05)	(1.17)	10.41	(18.12)	0.66	0.42	1.09 ⁷	160,083	49
08-31-2021	11.50	0.11 ⁷	2.95	3.06	(0.12)	(0.56)	(0.68)	13.88	27.48	0.62	0.42	0.85 ⁷	210,327	21
08-31-2020	10.91	0.16 ⁷	1.63	1.79	(0.17)	(1.03)	(1.20)	11.50	17.18	0.64	0.43	1.50 ⁷	159,569	33
08-31-2019	12.56	0.15 ⁷	(0.47)	(0.32)	(0.17)	(1.16)	(1.33)	10.91	(1.09)	0.60	0.41	1.35 ⁷	127,736	33
Class I														
02-29-2024 ⁶	9.35	0.15 ⁷	0.77	0.92	(0.22)	(0.08)	(0.30)	9.97	9.90 ⁸	0.40 ⁹	0.12 ⁹	1.98 ^{7,9}	832	9
08-31-2023	10.51	0.15 ⁷	0.59	0.74	(0.12)	(1.78)	(1.90)	9.35	9.18	0.39	0.12	1.60 ⁷	533	19
08-31-2022	14.00	0.21 ⁷	(2.49)	(2.28)	(0.16)	(1.05)	(1.21)	10.51	(17.86)	0.36	0.11	1.67 ⁷	616	49
08-31-2021	11.58	0.13 ⁷	3.00	3.13	(0.15)	(0.56)	(0.71)	14.00	27.96	0.32	0.11	1.04 ⁷	1,468	21
08-31-2020	10.98	0.20 ⁷	1.64	1.84	(0.21)	(1.03)	(1.24)	11.58	17.51	0.34	0.13	1.88 ⁷	645	33
08-31-2019	12.64	0.14 ⁷	(0.44)	(0.30)	(0.20)	(1.16)	(1.36)	10.98	(0.85)	0.30	0.12	1.27 ⁷	325	33
Class R2														
02-29-2024 ⁶	9.29	0.13 ⁷	0.76	0.89	(0.18)	(0.08)	(0.26)	9.92	9.68 ⁸	0.77 ⁹	0.50 ⁹	1.71 ^{7,9}	5,926	9
08-31-2023	10.44	0.11 ⁷	0.60	0.71	(0.08)	(1.78)	(1.86)	9.29	8.84	0.78	0.50	1.19 ⁷	5,250	19
08-31-2022	13.92	0.12 ⁷	(2.44)	(2.32)	(0.11)	(1.05)	(1.16)	10.44	(18.21)	0.75	0.51	1.00 ⁷	5,170	49
08-31-2021	11.53	0.10 ⁷	2.96	3.06	(0.11)	(0.56)	(0.67)	13.92	27.42	0.72	0.51	0.78 ⁷	7,442	21
08-31-2020	10.94	0.16 ⁷	1.63	1.79	(0.17)	(1.03)	(1.20)	11.53	17.04	0.73	0.51	1.50 ⁷	1,108	33
08-31-2019	12.58	0.11 ⁷	(0.44)	(0.33)	(0.15)	(1.16)	(1.31)	10.94	(1.18)	0.69	0.51	1.04 ⁷	987	33
Class R4														
02-29-2024 ⁶	9.27	0.15 ⁷	0.74	0.89	(0.20)	(0.08)	(0.28)	9.88	9.73 ⁸	0.62 ⁹	0.25 ⁹	2.04 ^{7,9}	596	9
08-31-2023	10.43	0.13 ⁷	0.60	0.73	(0.11)	(1.78)	(1.89)	9.27	9.07	0.63	0.25	1.43 ⁷	497	19
08-31-2022	13.90	0.15 ⁷	(2.42)	(2.27)	(0.15)	(1.05)	(1.20)	10.43	(17.96)	0.60	0.26	1.24 ⁷	381	49
08-31-2021	11.51	0.13 ⁷	2.96	3.09	(0.14)	(0.56)	(0.70)	13.90	27.71	0.57	0.26	1.02 ⁷	387	21
08-31-2020	10.92	0.18 ⁷	1.63	1.81	(0.19)	(1.03)	(1.22)	11.51	17.35	0.58	0.26	1.66 ⁷	276	33
08-31-2019	12.57	0.17 ⁷	(0.48)	(0.31)	(0.18)	(1.16)	(1.34)	10.92	(0.94)	0.54	0.26	1.51 ⁷	224	33
Class R5														
02-29-2024 ⁶	9.37	0.16 ⁷	0.75	0.91	(0.22)	(0.08)	(0.30)	9.98	9.83 ⁸	0.33 ⁹	0.06 ⁹	2.14 ^{7,9}	7,243	9
08-31-2023	10.53	0.15 ⁷	0.60	0.75	(0.13)	(1.78)	(1.91)	9.37	9.24	0.33	0.06	1.56 ⁷	6,431	19
08-31-2022	14.02	0.17 ⁷	(2.42)	(2.25)	(0.18)	(1.06)	(1.24)	10.53	(17.78)	0.30	0.06	1.42 ⁷	4,902	49
08-31-2021	11.60	0.18 ⁷	2.96	3.14	(0.16)	(0.56)	(0.72)	14.02	27.97	0.27	0.06	1.34 ⁷	2,404	21
08-31-2020	10.99	0.18 ⁷	1.67	1.85	(0.21)	(1.03)	(1.24)	11.60	17.66	0.28	0.06	1.73 ⁷	327	33
08-31-2019	12.65	0.23 ⁷	(0.52)	(0.29)	(0.21)	(1.16)	(1.37)	10.99	(0.78)	0.25	0.06	1.99 ⁷	192	33
Class R6														
02-29-2024 ⁶	9.33	0.15 ⁷	0.77	0.92	(0.23)	(0.08)	(0.31)	9.94	9.92 ⁸	0.28 ⁹	0.01 ⁹	1.99 ^{7,9}	68,494	9
08-31-2023	10.50	0.16 ⁷	0.59	0.75	(0.14)	(1.78)	(1.92)	9.33	9.22	0.28	0.01	1.69 ⁷	77,694	19
08-31-2022	13.98	0.18 ⁷	(2.43)	(2.25)	(0.18)	(1.05)	(1.23)	10.50	(17.72)	0.25	0.01	1.52 ⁷	65,036	49
08-31-2021	11.57	0.16 ⁷	2.97	3.13	(0.16)	(0.56)	(0.72)	13.98	28.02	0.22	0.01	1.24 ⁷	70,130	21
08-31-2020	10.97	0.20 ⁷	1.65	1.85	(0.22)	(1.03)	(1.25)	11.57	17.66	0.23	—	1.88 ⁷	38,274	33
08-31-2019	12.63	0.20 ⁷	(0.49)	(0.29)	(0.21)	(1.16)	(1.37)	10.97	(0.71)	0.19	—	1.85 ⁷	28,782	33

Financial highlights continued

Multimanager 2040 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Net return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²		
Class 1														
02-29-2024 ⁶	9.35	0.15 ⁷	0.76	0.91	(0.22)	(0.08)	(0.30)	9.96	9.86 ⁸	0.32 ⁹	0.05 ⁹	2.14 ^{7, 9}	689,749	9
08-31-2023	10.51	0.16 ⁷	0.59	0.75	(0.13)	(1.78)	(1.91)	9.35	9.28	0.32	0.05	1.66 ⁷	657,016	19
08-31-2022	13.99	0.18 ⁷	(2.44)	(2.26)	(0.17)	(1.05)	(1.22)	10.51	(17.74)	0.29	0.05	1.44 ⁷	632,481	49
08-31-2021	11.58	0.16 ⁷	2.97	3.13	(0.16)	(0.56)	(0.72)	13.99	27.93	0.26	0.05	1.24 ⁷	812,243	21
08-31-2020	10.98	0.20 ⁷	1.65	1.85	(0.22)	(1.03)	(1.25)	11.58	17.59	0.26	0.05	1.92 ⁷	690,481	33
08-31-2019	12.64	0.19 ⁷	(0.48)	(0.29)	(0.21)	(1.16)	(1.37)	10.98	(0.77)	0.23	0.05	1.74 ⁷	656,081	33

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, less than \$0.005, \$0.01, \$0.01, \$0.01, and \$0.02 per share and 0.05%, 0.04%, 0.08%, 0.11%, 0.12%, and 0.16%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Not annualized.

⁹ Annualized.

Multimanager 2035 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3,4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1,2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁶	Net investment income (loss) (%) ²		
Class A														
02-29-2024 ⁶	9.07	0.14 ⁷	0.64	0.78	(0.21)	(0.03)	(0.24)	9.61	8.62 ⁸	0.70 ⁹	0.42 ⁹	2.05 ^{7,9}	198,800	9
08-31-2023	10.13	0.14 ⁷	0.47	0.61	(0.10)	(1.57)	(1.67)	9.07	7.67	0.70	0.42	1.55 ⁷	191,072	20
08-31-2022	13.46	0.15 ⁷	(2.27)	(2.12)	(0.16)	(1.05)	(1.21)	10.13	(17.39)	0.67	0.42	1.28 ⁷	187,557	49
08-31-2021	11.39	0.13 ⁷	2.63	2.76	(0.12)	(0.57)	(0.69)	13.46	25.10	0.63	0.42	1.01 ⁷	243,658	26
08-31-2020	10.89	0.17 ⁷	1.52	1.69	(0.19)	(1.00)	(1.19)	11.39	16.21	0.64	0.43	1.58 ⁷	188,821	34
08-31-2019	12.38	0.17 ⁷	(0.40)	(0.23)	(0.18)	(1.08)	(1.26)	10.89	(0.46)	0.59	0.41	1.51 ⁷	146,789	34
Class I														
02-29-2024 ⁶	9.12	0.12 ⁷	0.68	0.80	(0.23)	(0.03)	(0.26)	9.66	8.88 ⁸	0.40 ⁹	0.12 ⁹	1.51 ^{7,9}	608	9
08-31-2023	10.19	0.16 ⁷	0.47	0.63	(0.13)	(1.57)	(1.70)	9.12	7.89	0.40	0.12	1.75 ⁷	96	20
08-31-2022	13.54	0.24 ⁷	(2.34)	(2.10)	(0.20)	(1.05)	(1.25)	10.19	(17.19)	0.37	0.12	2.10 ⁷	119	49
08-31-2021	11.45	0.09 ⁷	2.73	2.82	(0.16)	(0.57)	(0.73)	13.54	25.53	0.33	0.11	0.76 ⁷	100	26
08-31-2020	10.96	0.09 ⁷	1.64	1.73	(0.24)	(1.00)	(1.24)	11.45	16.50	0.34	0.13	0.92 ⁷	16	34
08-31-2019	12.46	0.28 ⁷	(0.48)	(0.20)	(0.22)	(1.08)	(1.30)	10.96	(0.18)	0.31	0.13	2.38 ⁷	2	34
Class R2														
02-29-2024 ⁶	9.12	0.14 ⁷	0.65	0.79	(0.20)	(0.03)	(0.23)	9.68	8.70 ⁸	0.79 ⁹	0.51 ⁹	1.93 ^{7,9}	9,377	9
08-31-2023	10.18	0.13 ⁷	0.46	0.59	(0.08)	(1.57)	(1.65)	9.12	7.49	0.78	0.50	1.43 ⁷	9,315	20
08-31-2022	13.53	0.14 ⁷	(2.29)	(2.15)	(0.15)	(1.05)	(1.20)	10.18	(17.52)	0.76	0.51	1.15 ⁷	8,291	49
08-31-2021	11.44	0.13 ⁷	2.65	2.78	(0.12)	(0.57)	(0.69)	13.53	25.09	0.72	0.51	1.01 ⁷	10,905	26
08-31-2020	10.93	0.16 ⁷	1.53	1.69	(0.18)	(1.00)	(1.18)	11.44	16.13	0.73	0.51	1.56 ⁷	3,075	34
08-31-2019	12.42	0.16 ⁷	(0.40)	(0.24)	(0.17)	(1.08)	(1.25)	10.93	(0.57)	0.69	0.51	1.42 ⁷	2,021	34
Class R4														
02-29-2024 ⁶	9.14	0.15 ⁷	0.65	0.80	(0.22)	(0.03)	(0.25)	9.69	8.88 ⁸	0.60 ⁹	0.21 ⁹	2.27 ^{7,9}	231	9
08-31-2023	10.20	0.16 ⁷	0.46	0.62	(0.11)	(1.57)	(1.68)	9.14	7.80	0.59	0.21	1.73 ⁷	205	20
08-31-2022	13.54	0.16 ⁷	(2.27)	(2.11)	(0.18)	(1.05)	(1.23)	10.20	(17.22)	0.56	0.21	1.42 ⁷	171	49
08-31-2021	11.45	0.15 ⁷	2.65	2.80	(0.14)	(0.57)	(0.71)	13.54	25.33	0.56	0.24	1.16 ⁷	128	26
08-31-2020	10.94	0.19 ⁷	1.53	1.72	(0.21)	(1.00)	(1.21)	11.45	16.42	0.58	0.26	1.79 ⁷	91	34
08-31-2019	12.44	0.17 ⁷	(0.39)	(0.22)	(0.20)	(1.08)	(1.28)	10.94	(0.37)	0.54	0.26	1.49 ⁷	87	34
Class R5														
02-29-2024 ⁶	9.17	0.16 ⁷	0.65	0.81	(0.24)	(0.03)	(0.27)	9.71	8.89 ⁸	0.34 ⁹	0.06 ⁹	2.33 ^{7,9}	9,170	9
08-31-2023	10.23	0.17 ⁷	0.47	0.64	(0.13)	(1.57)	(1.70)	9.17	8.05	0.34	0.06	1.80 ⁷	10,092	20
08-31-2022	13.59	0.17 ⁷	(2.28)	(2.11)	(0.20)	(1.05)	(1.25)	10.23	(17.15)	0.31	0.06	1.50 ⁷	7,777	49
08-31-2021	11.48	0.18 ⁷	2.66	2.84	(0.16)	(0.57)	(0.73)	13.59	25.64	0.28	0.06	1.45 ⁷	4,223	26
08-31-2020	10.96	0.20 ⁷	1.55	1.75	(0.23)	(1.00)	(1.23)	11.48	16.71	0.28	0.06	1.89 ⁷	260	34
08-31-2019	12.46	0.21 ⁷	(0.41)	(0.20)	(0.22)	(1.08)	(1.30)	10.96	(0.13)	0.24	0.06	1.79 ⁷	289	34
Class R6														
02-29-2024 ⁶	9.16	0.16 ⁷	0.64	0.80	(0.24)	(0.03)	(0.27)	9.69	8.84 ⁸	0.29 ⁹	0.01 ⁹	2.35 ^{7,9}	84,414	9
08-31-2023	10.22	0.18 ⁷	0.47	0.65	(0.14)	(1.57)	(1.71)	9.16	8.11	0.29	0.01	1.93 ⁷	89,702	20
08-31-2022	13.58	0.20 ⁷	(2.30)	(2.10)	(0.21)	(1.05)	(1.26)	10.22	(17.11)	0.26	0.01	1.71 ⁷	74,714	49
08-31-2021	11.47	0.18 ⁷	2.67	2.85	(0.17)	(0.57)	(0.74)	13.58	25.73	0.23	0.01	1.40 ⁷	80,488	26
08-31-2020	10.96	0.20 ⁷	1.54	1.74	(0.23)	(1.00)	(1.23)	11.47	16.68	0.23	—	1.87 ⁷	46,792	34
08-31-2019	12.46	0.20 ⁷	(0.39)	(0.19)	(0.23)	(1.08)	(1.31)	10.96	(0.05)	0.19	—	1.88 ⁷	31,906	34

Financial highlights continued

Multimanager 2035 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Net return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²		
Class 1														
02-29-2024 ⁶	9.17	0.16 ⁷	0.65	0.81	(0.24)	(0.03)	(0.27)	9.71	8.90 ⁸	0.33 ⁹	0.05 ⁹	2.44 ^{7, 9}	799,671	9
08-31-2023	10.23	0.18 ⁷	0.46	0.64	(0.13)	(1.57)	(1.70)	9.17	8.06	0.33	0.05	1.92 ⁷	762,184	20
08-31-2022	13.59	0.19 ⁷	(2.29)	(2.10)	(0.21)	(1.05)	(1.26)	10.23	(17.14)	0.30	0.05	1.62 ⁷	750,728	49
08-31-2021	11.48	0.17 ⁷	2.67	2.84	(0.16)	(0.57)	(0.73)	13.59	25.65	0.27	0.05	1.39 ⁷	967,161	26
08-31-2020	10.97	0.21 ⁷	1.53	1.74	(0.23)	(1.00)	(1.23)	11.48	16.61	0.27	0.05	2.01 ⁷	853,701	34
08-31-2019	12.47	0.21 ⁷	(0.41)	(0.20)	(0.22)	(1.08)	(1.30)	10.97	(0.10)	0.23	0.05	1.89 ⁷	823,762	34

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, less than \$0.005, less than \$0.005, \$0.01, \$0.01, and \$0.02 per share and 0.03%, 0.02%, 0.04%, 0.08%, 0.09%, and 0.15%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Not annualized.

⁹ Annualized.

Multimanager 2030 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3,4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1,2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁶	Net investment income (loss) (%) ²		
Class A														
02-29-2024 ⁶	8.92	0.15 ⁷	0.52	0.67	(0.24)	(0.01)	(0.25)	9.34	7.61 ⁸	0.71 ⁹	0.42 ⁹	2.42 ^{7,9}	231,544	9
08-31-2023	9.84	0.17 ⁷	0.35	0.52	(0.12)	(1.32)	(1.44)	8.92	6.56	0.70	0.42	1.91 ⁷	225,786	22
08-31-2022	12.84	0.18 ⁷	(2.09)	(1.91)	(0.18)	(0.91)	(1.09)	9.84	(16.34)	0.67	0.42	1.60 ⁷	223,543	46
08-31-2021	11.10	0.14 ⁷	2.26	2.40	(0.14)	(0.52)	(0.66)	12.84	22.37	0.64	0.42	1.21 ⁷	290,842	30
08-31-2020	10.64	0.17 ⁷	1.36	1.53	(0.19)	(0.88)	(1.07)	11.10	15.07	0.65	0.43	1.68 ⁷	226,690	33
08-31-2019	11.87	0.19 ⁷	(0.26)	(0.07)	(0.21)	(0.95)	(1.16)	10.64	0.69	0.60	0.41	1.74 ⁷	182,499	40
Class I														
02-29-2024 ⁶	8.89	0.16 ⁷	0.53	0.69	(0.27)	(0.01)	(0.28)	9.30	7.82 ⁸	0.41 ⁹	0.12 ⁹	2.64 ^{7,9}	1,632	9
08-31-2023	9.82	0.21 ⁷	0.33	0.54	(0.15)	(1.32)	(1.47)	8.89	6.84	0.40	0.11	2.37 ⁷	1,422	22
08-31-2022	12.82	0.19 ⁷	(2.07)	(1.88)	(0.21)	(0.91)	(1.12)	9.82	(16.11)	0.37	0.12	1.71 ⁷	1,804	46
08-31-2021	11.07	0.19 ⁷	2.25	2.44	(0.17)	(0.52)	(0.69)	12.82	22.84	0.34	0.12	1.59 ⁷	1,754	30
08-31-2020	10.61	0.19 ⁷	1.38	1.57	(0.23)	(0.88)	(1.11)	11.07	15.44	0.35	0.13	1.86 ⁷	1,260	33
08-31-2019	11.85	0.21 ⁷	(0.26)	(0.05)	(0.24)	(0.95)	(1.19)	10.61	0.96	0.31	0.13	2.01 ⁷	891	40
Class R2														
02-29-2024 ⁶	8.82	0.15 ⁷	0.52	0.67	(0.24)	(0.01)	(0.25)	9.24	7.60 ⁸	0.79 ⁹	0.50 ⁹	2.34 ^{7,9}	10,086	9
08-31-2023	9.75	0.16 ⁷	0.34	0.50	(0.11)	(1.32)	(1.43)	8.82	6.40	0.79	0.50	1.80 ⁷	9,418	22
08-31-2022	12.73	0.17 ⁷	(2.07)	(1.90)	(0.17)	(0.91)	(1.08)	9.75	(16.40)	0.76	0.50	1.50 ⁷	8,911	46
08-31-2021	11.01	0.14 ⁷	2.23	2.37	(0.13)	(0.52)	(0.65)	12.73	22.29	0.73	0.51	1.13 ⁷	12,297	30
08-31-2020	10.56	0.17 ⁷	1.35	1.52	(0.19)	(0.88)	(1.07)	11.01	15.00	0.74	0.52	1.62 ⁷	3,304	33
08-31-2019	11.79	0.19 ⁷	(0.27)	(0.08)	(0.20)	(0.95)	(1.15)	10.56	0.58	0.68	0.50	1.82 ⁷	2,744	40
Class R4														
02-29-2024 ⁶	8.86	0.16 ⁷	0.51	0.67	(0.26)	(0.01)	(0.27)	9.26	7.59 ⁸	0.64 ⁹	0.25 ⁹	2.65 ^{7,9}	1,083	9
08-31-2023	9.78	0.18 ⁷	0.35	0.53	(0.13)	(1.32)	(1.45)	8.86	6.82	0.65	0.26	2.06 ⁷	916	22
08-31-2022	12.78	0.20 ⁷	(2.09)	(1.89)	(0.20)	(0.91)	(1.11)	9.78	(16.27)	0.62	0.26	1.75 ⁷	767	46
08-31-2021	11.04	0.16 ⁷	2.26	2.42	(0.16)	(0.52)	(0.68)	12.78	22.67	0.58	0.26	1.36 ⁷	845	30
08-31-2020	10.59	0.20 ⁷	1.34	1.54	(0.21)	(0.88)	(1.09)	11.04	15.23	0.59	0.27	1.91 ⁷	556	33
08-31-2019	11.82	0.22 ⁷	(0.28)	(0.06)	(0.22)	(0.95)	(1.17)	10.59	0.86	0.54	0.26	2.07 ⁷	451	40
Class R5														
02-29-2024 ⁶	8.88	0.17 ⁷	0.52	0.69	(0.28)	(0.01)	(0.29)	9.28	7.77 ⁸	0.35 ⁹	0.06 ⁹	2.74 ^{7,9}	9,975	9
08-31-2023	9.81	0.19 ⁷	0.35	0.54	(0.15)	(1.32)	(1.47)	8.88	6.94	0.35	0.06	2.18 ⁷	10,747	22
08-31-2022	12.81	0.21 ⁷	(2.08)	(1.87)	(0.22)	(0.91)	(1.13)	9.81	(16.07)	0.32	0.06	1.92 ⁷	8,677	46
08-31-2021	11.06	0.20 ⁷	2.25	2.45	(0.18)	(0.52)	(0.70)	12.81	22.92	0.28	0.06	1.66 ⁷	6,770	30
08-31-2020	10.61	0.25 ⁷	1.31	1.56	(0.23)	(0.88)	(1.11)	11.06	15.44	0.28	0.06	2.36 ⁷	747	33
08-31-2019	11.85	0.22 ⁷	(0.26)	(0.04)	(0.25)	(0.95)	(1.20)	10.61	1.03	0.25	0.06	2.08 ⁷	947	40
Class R6														
02-29-2024 ⁶	8.88	0.16 ⁷	0.53	0.69	(0.28)	(0.01)	(0.29)	9.28	7.82 ⁸	0.30 ⁹	0.01 ⁹	2.68 ^{7,9}	90,732	9
08-31-2023	9.81	0.20 ⁷	0.35	0.55	(0.16)	(1.32)	(1.48)	8.88	6.99	0.30	0.01	2.29 ⁷	98,309	22
08-31-2022	12.81	0.23 ⁷	(2.09)	(1.86)	(0.23)	(0.91)	(1.14)	9.81	(16.03)	0.27	0.01	2.02 ⁷	85,111	46
08-31-2021	11.06	0.19 ⁷	2.26	2.45	(0.18)	(0.52)	(0.70)	12.81	22.98	0.23	0.01	1.59 ⁷	89,308	30
08-31-2020	10.61	0.21 ⁷	1.36	1.57	(0.24)	(0.88)	(1.12)	11.06	15.50	0.23	—	2.05 ⁷	53,240	33
08-31-2019	11.85	0.22 ⁷	(0.25)	(0.03)	(0.26)	(0.95)	(1.21)	10.61	1.10	0.20	—	2.08 ⁷	38,634	40

Financial highlights continued

Multimanager 2030 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²			
Class 1															
02-29-2024 ⁶	8.89	0.17 ⁷	0.52	0.69	(0.28)	(0.01)	(0.29)	9.29	7.77 ⁸	0.34 ⁹	0.05 ⁹	2.79 ^{7, 9}	840,407	9	
08-31-2023	9.82	0.20 ⁷	0.34	0.54	(0.15)	(1.32)	(1.47)	8.89	7.05	0.34	0.05	2.29 ⁷	824,933	22	
08-31-2022	12.82	0.22 ⁷	(2.09)	(1.87)	(0.22)	(0.91)	(1.13)	9.82	(16.13)	0.31	0.05	1.95 ⁷	851,307	46	
08-31-2021	11.07	0.19 ⁷	2.26	2.45	(0.18)	(0.52)	(0.70)	12.82	22.91	0.27	0.05	1.60 ⁷	1,081,454	30	
08-31-2020	10.62	0.22 ⁷	1.34	1.56	(0.23)	(0.88)	(1.11)	11.07	15.43	0.27	0.05	2.11 ⁷	978,135	33	
08-31-2019	11.85	0.23 ⁷	(0.26)	(0.03)	(0.25)	(0.95)	(1.20)	10.62	1.12	0.23	0.05	2.12 ⁷	967,661	40	

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, less than \$0.005, less than \$0.005, \$0.01, \$0.01, and \$0.02 per share and 0.04%, 0.02%, 0.04%, 0.09%, 0.10%, and 0.16%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Not annualized.

⁹ Annualized.

Multimanager 2025 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3,4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1,2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%)	Net investment income (loss) (%) ²		
Class A														
02-29-2024 ⁶	8.55	0.16 ⁷	0.39	0.55	(0.30)	— ⁸	(0.30)	8.80	6.41 ⁹	0.74 ¹⁰	0.42 ¹⁰	2.80 ^{7,10}	194,265	9
08-31-2023	9.42	0.20 ⁷	0.21	0.41	(0.15)	(1.13)	(1.28)	8.55	5.43	0.72	0.42	2.32 ⁷	195,706	20
08-31-2022	12.17	0.21 ⁷	(1.83)	(1.62)	(0.20)	(0.93)	(1.13)	9.42	(14.73)	0.69	0.42	1.97 ⁷	207,424	45
08-31-2021	10.79	0.17 ⁷	1.88	2.05	(0.16)	(0.51)	(0.67)	12.17	19.63	0.66	0.42	1.49 ⁷	270,307	30
08-31-2020	10.44	0.18 ⁷	1.14	1.32	(0.21)	(0.76)	(0.97)	10.79	13.24	0.66	0.43	1.75 ⁷	213,868	35
08-31-2019	11.46	0.21 ⁷	(0.14)	0.07	(0.23)	(0.86)	(1.09)	10.44	1.80	0.60	0.41	2.01 ⁷	180,550	39
Class I														
02-29-2024 ⁶	8.51	0.17 ⁷	0.39	0.56	(0.32)	— ⁸	(0.32)	8.75	6.62 ⁹	0.44 ¹⁰	0.12 ¹⁰	3.12 ^{7,10}	2,425	9
08-31-2023	9.39	0.23 ⁷	0.20	0.43	(0.18)	(1.13)	(1.31)	8.51	5.70	0.42	0.12	2.70 ⁷	1,623	20
08-31-2022	12.13	0.24 ⁷	(1.81)	(1.57)	(0.24)	(0.93)	(1.17)	9.39	(14.43)	0.39	0.12	2.26 ⁷	1,856	45
08-31-2021	10.76	0.22 ⁷	1.85	2.07	(0.19)	(0.51)	(0.70)	12.13	19.90	0.36	0.12	1.90 ⁷	2,701	30
08-31-2020	10.41	0.20 ⁷	1.16	1.36	(0.25)	(0.76)	(1.01)	10.76	13.61	0.36	0.13	1.96 ⁷	2,094	35
08-31-2019	11.43	0.15 ⁷	(0.05)	0.10	(0.26)	(0.86)	(1.12)	10.41	2.17	0.31	0.12	1.55 ⁷	1,502	39
Class R2														
02-29-2024 ⁶	8.47	0.15 ⁷	0.38	0.53	(0.29)	— ⁸	(0.29)	8.71	6.26 ⁹	0.82 ¹⁰	0.51 ¹⁰	2.65 ^{7,10}	7,004	9
08-31-2023	9.34	0.19 ⁷	0.21	0.40	(0.14)	(1.13)	(1.27)	8.47	5.37	0.81	0.51	2.22 ⁷	7,929	20
08-31-2022	12.07	0.20 ⁷	(1.81)	(1.61)	(0.19)	(0.93)	(1.12)	9.34	(14.77)	0.79	0.51	1.87 ⁷	8,960	45
08-31-2021	10.71	0.17 ⁷	1.85	2.02	(0.15)	(0.51)	(0.66)	12.07	19.51	0.72	0.48	1.46 ⁷	13,021	30
08-31-2020	10.37	0.16 ⁷	1.15	1.31	(0.21)	(0.76)	(0.97)	10.71	13.16	0.75	0.52	1.62 ⁷	4,775	35
08-31-2019	11.39	0.18 ⁷	(0.12)	0.06	(0.22)	(0.86)	(1.08)	10.37	1.71	0.69	0.50	1.80 ⁷	4,273	39
Class R4														
02-29-2024 ⁶	8.52	0.16 ⁷	0.38	0.54	(0.31)	— ⁸	(0.31)	8.75	6.35 ⁹	0.67 ¹⁰	0.26 ¹⁰	2.93 ^{7,10}	517	9
08-31-2023	9.39	0.21 ⁷	0.22	0.43	(0.17)	(1.13)	(1.30)	8.52	5.65	0.67	0.26	2.50 ⁷	697	20
08-31-2022	12.13	0.22 ⁷	(1.81)	(1.59)	(0.22)	(0.93)	(1.15)	9.39	(14.56)	0.63	0.26	2.08 ⁷	670	45
08-31-2021	10.76	0.19 ⁷	1.86	2.05	(0.17)	(0.51)	(0.68)	12.13	19.76	0.59	0.25	1.65 ⁷	698	30
08-31-2020	10.41	0.20 ⁷	1.14	1.34	(0.23)	(0.76)	(0.99)	10.76	13.45	0.60	0.26	1.95 ⁷	488	35
08-31-2019	11.44	0.23 ⁷	(0.15)	0.08	(0.25)	(0.86)	(1.11)	10.41	1.91	0.55	0.26	2.22 ⁷	736	39
Class R5														
02-29-2024 ⁶	8.50	0.17 ⁷	0.39	0.56	(0.33)	— ⁸	(0.33)	8.73	6.57 ⁹	0.37 ¹⁰	0.05 ¹⁰	3.12 ^{7,10}	7,598	9
08-31-2023	9.38	0.22 ⁷	0.22	0.44	(0.19)	(1.13)	(1.32)	8.50	5.78	0.37	0.06	2.53 ⁷	9,373	20
08-31-2022	12.12	0.24 ⁷	(1.81)	(1.57)	(0.24)	(0.93)	(1.17)	9.38	(14.40)	0.33	0.06	2.28 ⁷	7,409	45
08-31-2021	10.75	0.23 ⁷	1.84	2.07	(0.19)	(0.51)	(0.70)	12.12	19.98	0.30	0.06	1.98 ⁷	4,855	30
08-31-2020	10.40	0.23 ⁷	1.13	1.36	(0.25)	(0.76)	(1.01)	10.75	13.71	0.30	0.06	2.25 ⁷	1,251	35
08-31-2019	11.43	0.25 ⁷	(0.15)	0.10	(0.27)	(0.86)	(1.13)	10.40	2.14	0.25	0.07	2.37 ⁷	1,342	39
Class R6														
02-29-2024 ⁶	8.50	0.17 ⁷	0.38	0.55	(0.33)	— ⁸	(0.33)	8.72	6.63 ⁹	0.32 ¹⁰	0.01 ¹⁰	3.12 ^{7,10}	61,595	9
08-31-2023	9.37	0.23 ⁷	0.22	0.45	(0.19)	(1.13)	(1.32)	8.50	5.84	0.32	0.01	2.71 ⁷	69,535	20
08-31-2022	12.11	0.26 ⁷	(1.82)	(1.56)	(0.25)	(0.93)	(1.18)	9.37	(14.36)	0.28	0.01	2.41 ⁷	63,101	45
08-31-2021	10.74	0.21 ⁷	1.87	2.08	(0.20)	(0.51)	(0.71)	12.11	20.06	0.25	0.01	1.89 ⁷	70,692	30
08-31-2020	10.40	0.21 ⁷	1.15	1.36	(0.26)	(0.76)	(1.02)	10.74	13.67	0.25	—	2.12 ⁷	48,742	35
08-31-2019	11.42	0.25 ⁷	(0.13)	0.12	(0.28)	(0.86)	(1.14)	10.40	2.31	0.20	—	2.44 ⁷	38,659	39

Financial highlights continued

Multimanager 2025 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²			
Class 1															
02-29-2024 ⁶	8.51	0.17 ⁷	0.39	0.56	(0.33)	— ⁸	(0.33)	8.74	6.57 ⁹	0.36 ¹⁰	0.05 ¹⁰	3.17 ^{7, 10}	618,759	9	
08-31-2023	9.38	0.23 ⁷	0.22	0.45	(0.19)	(1.13)	(1.32)	8.51	5.91	0.36	0.05	2.71 ⁷	636,988	20	
08-31-2022	12.12	0.25 ⁷	(1.82)	(1.57)	(0.24)	(0.93)	(1.17)	9.38	(14.40)	0.32	0.05	2.34 ⁷	731,490	45	
08-31-2021	10.75	0.21 ⁷	1.86	2.07	(0.19)	(0.51)	(0.70)	12.12	19.99	0.29	0.05	1.87 ⁷	989,063	30	
08-31-2020	10.40	0.22 ⁷	1.14	1.36	(0.25)	(0.76)	(1.01)	10.75	13.71	0.28	0.05	2.19 ⁷	935,821	35	
08-31-2019	11.43	0.25 ⁷	(0.15)	0.10	(0.27)	(0.86)	(1.13)	10.40	2.15	0.24	0.05	2.42 ⁷	983,455	39	

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, less than \$0.005, less than \$0.005, \$0.01, \$0.01, and \$0.02 per share and 0.03%, 0.02%, 0.04%, 0.08%, 0.09%, and 0.15%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Less than \$0.005 per share.

⁹ Not annualized.

¹⁰ Annualized.

Multimanager 2020 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3,4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1,2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%)	Net investment income (loss) (%) ²		
Class A														
02-29-2024 ⁶	7.80	0.15 ⁷	0.29	0.44	(0.26)	— ⁸	(0.26)	7.98	5.64 ⁹	0.77 ¹⁰	0.42 ¹⁰	3.09 ^{7,10}	155,931	9
08-31-2023	8.51	0.21 ⁷	0.13	0.34	(0.22)	(0.83)	(1.05)	7.80	4.76	0.75	0.42	2.67 ⁷	161,772	19
08-31-2022	10.90	0.22 ⁷	(1.49)	(1.27)	(0.22)	(0.90)	(1.12)	8.51	(13.07)	0.72	0.42	2.32 ⁷	176,088	38
08-31-2021	10.06	0.19 ⁷	1.39	1.58	(0.18)	(0.56)	(0.74)	10.90	16.29	0.69	0.42	1.79 ⁷	234,516	29
08-31-2020	9.89	0.18 ⁷	0.89	1.07	(0.23)	(0.67)	(0.90)	10.06	11.32	0.69	0.43	1.93 ⁷	193,591	37
08-31-2019	10.66	0.22 ⁷	(0.03)	0.19	(0.24)	(0.72)	(0.96)	9.89	2.89	0.62	0.41	2.27 ⁷	171,370	40
Class I														
02-29-2024 ⁶	7.81	0.15 ⁷	0.31	0.46	(0.28)	— ⁸	(0.28)	7.99	5.93 ⁹	0.47 ¹⁰	0.12 ¹⁰	3.13 ^{7,10}	589	9
08-31-2023	8.53	0.22 ⁷	0.13	0.35	(0.24)	(0.83)	(1.07)	7.81	4.97	0.46	0.12	2.77 ⁷	921	19
08-31-2022	10.92	0.29 ⁷	(1.53)	(1.24)	(0.25)	(0.90)	(1.15)	8.53	(12.78)	0.42	0.12	2.98 ⁷	344	38
08-31-2021	10.08	0.21 ⁷	1.39	1.60	(0.20)	(0.56)	(0.76)	10.92	16.57	0.39	0.12	2.04 ⁷	446	29
08-31-2020	9.90	0.20 ⁷	0.91	1.11	(0.26)	(0.67)	(0.93)	10.08	11.75	0.39	0.12	2.12 ⁷	477	37
08-31-2019	10.67	0.26 ⁷	(0.04)	0.22	(0.27)	(0.72)	(0.99)	9.90	3.23	0.33	0.13	2.63 ⁷	230	40
Class R2														
02-29-2024 ⁶	7.74	0.15 ⁷	0.29	0.44	(0.25)	— ⁸	(0.25)	7.93	5.72 ⁹	0.83 ¹⁰	0.48 ¹⁰	3.03 ^{7,10}	4,374	9
08-31-2023	8.46	0.20 ⁷	0.12	0.32	(0.21)	(0.83)	(1.04)	7.74	4.54	0.85	0.51	2.60 ⁷	4,220	19
08-31-2022	10.84	0.21 ⁷	(1.48)	(1.27)	(0.21)	(0.90)	(1.11)	8.46	(13.13)	0.81	0.50	2.22 ⁷	5,397	38
08-31-2021	10.01	0.19 ⁷	1.37	1.56	(0.17)	(0.56)	(0.73)	10.84	16.20	0.73	0.45	1.86 ⁷	6,093	29
08-31-2020	9.84	0.18 ⁷	0.89	1.07	(0.23)	(0.67)	(0.90)	10.01	11.30	0.77	0.51	1.88 ⁷	1,014	37
08-31-2019	10.61	0.22 ⁷	(0.04)	0.18	(0.23)	(0.72)	(0.95)	9.84	2.77	0.71	0.51	2.23 ⁷	1,098	40
Class R4														
02-29-2024 ⁶	7.75	0.16 ⁷	0.28	0.44	(0.27)	— ⁸	(0.27)	7.92	5.70 ⁹	0.69 ¹⁰	0.25 ¹⁰	3.34 ^{7,10}	428	9
08-31-2023	8.46	0.22 ⁷	0.13	0.35	(0.23)	(0.83)	(1.06)	7.75	4.97	0.70	0.26	2.81 ⁷	342	19
08-31-2022	10.85	0.28 ⁷	(1.53)	(1.25)	(0.24)	(0.90)	(1.14)	8.46	(12.99)	0.66	0.26	2.80 ⁷	263	38
08-31-2021	10.01	0.21 ⁷	1.38	1.59	(0.19)	(0.56)	(0.75)	10.85	16.55	0.63	0.25	2.04 ⁷	599	29
08-31-2020	9.85	0.21 ⁷	0.87	1.08	(0.25)	(0.67)	(0.92)	10.01	11.45	0.63	0.27	2.23 ⁷	144	37
08-31-2019	10.62	0.23 ⁷	(0.02)	0.21	(0.26)	(0.72)	(0.98)	9.85	3.07	0.56	0.26	2.39 ⁷	239	40
Class R5														
02-29-2024 ⁶	7.79	0.17 ⁷	0.29	0.46	(0.29)	— ⁸	(0.29)	7.96	5.87 ⁹	0.40 ¹⁰	0.06 ¹⁰	3.51 ^{7,10}	7,398	9
08-31-2023	8.51	0.24 ⁷	0.12	0.36	(0.25)	(0.83)	(1.08)	7.79	5.06	0.39	0.05	3.02 ⁷	7,670	19
08-31-2022	10.90	0.26 ⁷	(1.49)	(1.23)	(0.26)	(0.90)	(1.16)	8.51	(12.75)	0.36	0.06	2.71 ⁷	7,380	38
08-31-2021	10.06	0.23 ⁷	1.38	1.61	(0.21)	(0.56)	(0.77)	10.90	16.68	0.33	0.06	2.23 ⁷	8,917	29
08-31-2020	9.89	0.23 ⁷	0.88	1.11	(0.27)	(0.67)	(0.94)	10.06	11.74	0.33	0.06	2.37 ⁷	3,949	37
08-31-2019	10.66	0.27 ⁷	(0.04)	0.23	(0.28)	(0.72)	(1.00)	9.89	3.29	0.27	0.06	2.71 ⁷	3,778	40
Class R6														
02-29-2024 ⁶	7.77	0.16 ⁷	0.30	0.46	(0.29)	— ⁸	(0.29)	7.94	5.94 ⁹	0.35 ¹⁰	0.01 ¹⁰	3.43 ^{7,10}	25,580	9
08-31-2023	8.49	0.24 ⁷	0.12	0.36	(0.25)	(0.83)	(1.08)	7.77	5.13	0.35	0.01	3.09 ⁷	31,413	19
08-31-2022	10.88	0.26 ⁷	(1.49)	(1.23)	(0.26)	(0.90)	(1.16)	8.49	(12.73)	0.31	0.01	2.73 ⁷	29,900	38
08-31-2021	10.04	0.23 ⁷	1.38	1.61	(0.21)	(0.56)	(0.77)	10.88	16.77	0.29	0.01	2.24 ⁷	33,944	29
08-31-2020	9.87	0.23 ⁷	0.89	1.12	(0.28)	(0.67)	(0.95)	10.04	11.82	0.28	—	2.39 ⁷	28,864	37
08-31-2019	10.65	0.26 ⁷	(0.03)	0.23	(0.29)	(0.72)	(1.01)	9.87	3.28	0.21	—	2.67 ⁷	28,384	40

Financial highlights continued

Multimanager 2020 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²			
Class 1															
02-29-2024 ⁶	7.79	0.16 ⁷	0.30	0.46	(0.29)	— ⁸	(0.29)	7.96	5.89 ⁹	0.39 ¹⁰	0.05 ¹⁰	3.44 ^{7, 10}	260,603	9	
08-31-2023	8.50	0.24 ⁷	0.13	0.37	(0.25)	(0.83)	(1.08)	7.79	5.20	0.39	0.05	3.06 ⁷	283,344	19	
08-31-2022	10.90	0.26 ⁷	(1.50)	(1.24)	(0.26)	(0.90)	(1.16)	8.50	(12.84)	0.35	0.05	2.69 ⁷	330,749	38	
08-31-2021	10.06	0.23 ⁷	1.38	1.61	(0.21)	(0.56)	(0.77)	10.90	16.69	0.33	0.05	2.19 ⁷	471,564	29	
08-31-2020	9.89	0.23 ⁷	0.88	1.11	(0.27)	(0.67)	(0.94)	10.06	11.75	0.31	0.05	2.37 ⁷	508,214	37	
08-31-2019	10.66	0.27 ⁷	(0.04)	0.23	(0.28)	(0.72)	(1.00)	9.89	3.32	0.25	0.05	2.69 ⁷	590,329	40	

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, less than \$0.005, less than \$0.005, \$0.01, \$0.01, and \$0.02 per share and 0.03%, 0.02%, 0.04%, 0.07%, 0.09%, and 0.15%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Less than \$0.005 per share.

⁹ Not annualized.

¹⁰ Annualized.

Multimanager 2015 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3,4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1,2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%)	Net investment income (loss) (%) ²		
Class A														
02-29-2024 ⁶	7.24	0.14 ⁷	0.23	0.37	(0.25)	— ⁸	(0.25)	7.36	5.15 ⁹	0.84 ¹⁰	0.42 ¹⁰	3.30 ^{7,10}	77,252	9
08-31-2023	7.84	0.21 ⁷	0.09	0.30	(0.22)	(0.68)	(0.90)	7.24	4.55	0.83	0.42	2.93 ⁷	77,802	17
08-31-2022	9.73	0.22 ⁷	(1.27)	(1.05)	(0.22)	(0.62)	(0.84)	7.84	(11.87)	0.78	0.42	2.56 ⁷	85,355	36
08-31-2021	9.15	0.19 ⁷	1.08	1.27	(0.18)	(0.51)	(0.69)	9.73	14.43	0.75	0.42	2.00 ⁷	109,061	27
08-31-2020	9.12	0.18 ⁷	0.66	0.84	(0.23)	(0.58)	(0.81)	9.15	9.64	0.76	0.43	2.06 ⁷	97,644	41
08-31-2019	9.75	0.23 ⁷	0.04	0.27	(0.26)	(0.64)	(0.90)	9.12	3.85	0.66	0.41	2.53 ⁷	91,688	41
Class I														
02-29-2024 ⁶	7.24	0.14 ⁷	0.24	0.38	(0.27)	— ⁸	(0.27)	7.35	5.31 ⁹	0.54 ¹⁰	0.12 ¹⁰	3.10 ^{7,10}	181	9
08-31-2023	7.84	0.23 ⁷	0.10	0.33	(0.25)	(0.68)	(0.93)	7.24	4.92	0.53	0.11	3.13 ⁷	703	17
08-31-2022	9.74	0.24 ⁷	(1.29)	(1.05)	(0.24)	(0.61)	(0.85)	7.84	(11.69)	0.48	0.12	2.81 ⁷	1,399	36
08-31-2021	9.16	0.22 ⁷	1.07	1.29	(0.20)	(0.51)	(0.71)	9.74	14.73	0.45	0.12	2.31 ⁷	863	27
08-31-2020	9.13	0.21 ⁷	0.66	0.87	(0.26)	(0.58)	(0.84)	9.16	9.97	0.46	0.13	2.38 ⁷	823	41
08-31-2019	9.76	0.25 ⁷	0.05	0.30	(0.29)	(0.64)	(0.93)	9.13	4.21	0.37	0.13	2.82 ⁷	670	41
Class R2														
02-29-2024 ⁶	7.18	0.14 ⁷	0.24	0.38	(0.25)	— ⁸	(0.25)	7.31	5.24 ⁹	0.93 ¹⁰	0.51 ¹⁰	3.22 ^{7,10}	430	9
08-31-2023	7.78	0.21 ⁷	0.08	0.29	(0.21)	(0.68)	(0.89)	7.18	4.47	0.92	0.51	2.88 ⁷	493	17
08-31-2022	9.67	0.20 ⁷	(1.26)	(1.06)	(0.21)	(0.62)	(0.83)	7.78	(12.03)	0.87	0.51	2.19 ⁷	621	36
08-31-2021	9.09	0.19 ⁷	1.07	1.26	(0.17)	(0.51)	(0.68)	9.67	14.45	0.80	0.46	2.00 ⁷	2,331	27
08-31-2020	9.07	0.12 ⁷	0.71	0.83	(0.23)	(0.58)	(0.81)	9.09	9.52	0.84	0.51	1.39 ⁷	164	41
08-31-2019	9.69	0.23 ⁷	0.04	0.27	(0.25)	(0.64)	(0.89)	9.07	3.87	0.73	0.49	2.53 ⁷	33	41
Class R4														
02-29-2024 ⁶	7.25	0.16 ⁷	0.23	0.39	(0.27)	— ⁸	(0.27)	7.37	5.43 ⁹	0.68 ¹⁰	0.15 ¹⁰	3.61 ^{7,10}	18	9
08-31-2023	7.85	0.24 ⁷	0.08	0.32	(0.24)	(0.68)	(0.92)	7.25	4.79	0.67	0.16	3.23 ⁷	18	17
08-31-2022	9.75	0.25 ⁷	(1.28)	(1.03)	(0.25)	(0.62)	(0.87)	7.85	(11.65)	0.63	0.16	2.85 ⁷	8	36
08-31-2021	9.12	0.21 ⁷	1.12	1.33	(0.19)	(0.51)	(0.70)	9.75	15.27	0.67	0.23	2.21 ⁷	10	27
08-31-2020	9.09	0.19 ⁷	0.67	0.86	(0.25)	(0.58)	(0.83)	9.12	9.85	0.70	0.27	2.22 ⁷	12	41
08-31-2019	9.72	0.25 ⁷	0.04	0.29	(0.28)	(0.64)	(0.92)	9.09	4.06	0.61	0.26	2.74 ⁷	11	41
Class R5														
02-29-2024 ⁶	7.23	0.15 ⁷	0.24	0.39	(0.28)	— ⁸	(0.28)	7.34	5.37 ⁹	0.48 ¹⁰	0.06 ¹⁰	3.56 ^{7,10}	481	9
08-31-2023	7.83	0.24 ⁷	0.09	0.33	(0.25)	(0.68)	(0.93)	7.23	4.98	0.47	0.06	3.27 ⁷	487	17
08-31-2022	9.73	0.24 ⁷	(1.27)	(1.03)	(0.25)	(0.62)	(0.87)	7.83	(11.66)	0.42	0.06	2.82 ⁷	516	36
08-31-2021	9.15	0.22 ⁷	1.08	1.30	(0.21)	(0.51)	(0.72)	9.73	14.80	0.40	0.06	2.29 ⁷	262	27
08-31-2020	9.12	0.22 ⁷	0.66	0.88	(0.27)	(0.58)	(0.85)	9.15	10.06	0.39	0.06	2.52 ⁷	322	41
08-31-2019	9.75	0.28 ⁷	0.03	0.31	(0.30)	(0.64)	(0.94)	9.12	4.27	0.31	0.07	2.97 ⁷	323	41
Class R6														
02-29-2024 ⁶	7.24	0.16 ⁷	0.23	0.39	(0.28)	— ⁸	(0.28)	7.35	5.42 ⁹	0.43 ¹⁰	0.01 ¹⁰	3.70 ^{7,10}	10,224	9
08-31-2023	7.85	0.24 ⁷	0.08	0.32	(0.25)	(0.68)	(0.93)	7.24	4.89	0.42	0.01	3.35 ⁷	10,008	17
08-31-2022	9.74	0.26 ⁷	(1.28)	(1.02)	(0.25)	(0.62)	(0.87)	7.85	(11.49)	0.37	0.01	2.98 ⁷	9,685	36
08-31-2021	9.16	0.23 ⁷	1.07	1.30	(0.21)	(0.51)	(0.72)	9.74	14.86	0.35	0.01	2.43 ⁷	12,107	27
08-31-2020	9.12	0.22 ⁷	0.67	0.89	(0.27)	(0.58)	(0.85)	9.16	10.24	0.34	—	2.52 ⁷	11,162	41
08-31-2019	9.76	0.26 ⁷	0.04	0.30	(0.30)	(0.64)	(0.94)	9.12	4.23	0.26	—	2.93 ⁷	11,764	41

Financial highlights continued

Multimanager 2015 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²			
Class 1															
02-29-2024 ⁶	7.24	0.16 ⁷	0.23	0.39	(0.28)	— ⁸	(0.28)	7.35	5.38 ⁹	0.47 ¹⁰	0.05 ¹⁰	3.65 ^{7, 10}	83,864	9	
08-31-2023	7.84	0.24 ⁷	0.09	0.33	(0.25)	(0.68)	(0.93)	7.24	4.98	0.47	0.05	3.30 ⁷	85,981	17	
08-31-2022	9.73	0.26 ⁷	(1.29)	(1.03)	(0.25)	(0.61)	(0.86)	7.84	(11.53)	0.42	0.05	2.94 ⁷	99,848	36	
08-31-2021	9.16	0.22 ⁷	1.07	1.29	(0.21)	(0.51)	(0.72)	9.73	14.69	0.39	0.05	2.39 ⁷	138,822	27	
08-31-2020	9.12	0.22 ⁷	0.67	0.89	(0.27)	(0.58)	(0.85)	9.16	10.19	0.38	0.05	2.48 ⁷	156,575	41	
08-31-2019	9.75	0.27 ⁷	0.04	0.31	(0.30)	(0.64)	(0.94)	9.12	4.28	0.30	0.05	2.98 ⁷	192,409	41	

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, less than \$0.005, less than \$0.005, \$0.01, \$0.01, and \$0.02 per share and 0.03%, 0.02%, 0.04%, 0.07%, 0.09%, and 0.16%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Less than \$0.005 per share.

⁹ Not annualized.

¹⁰ Annualized.

Multimanager 2010 Lifetime Portfolio

Per share operating performance for a share outstanding throughout each period

Ratios and supplemental data

Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3,4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1,2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%)	Net investment income (loss) (%) ²		
Class A														
02-29-2024 ⁶	7.36	0.15 ⁷	0.19	0.34	(0.28)	— ⁸	(0.28)	7.42	4.58 ⁹	0.89 ¹⁰	0.42 ¹⁰	3.50 ^{7,10}	38,785	11
08-31-2023	7.78	0.23 ⁷	0.07	0.30	(0.24)	(0.48)	(0.72)	7.36	4.37	0.88	0.42	3.18 ⁷	39,826	25
08-31-2022	9.41	0.24 ⁷	(1.16)	(0.92)	(0.22)	(0.49)	(0.71)	7.78	(10.62)	0.83	0.42	2.79 ⁷	42,560	39
08-31-2021	8.93	0.20 ⁷	0.89	1.09	(0.19)	(0.42)	(0.61)	9.41	12.62	0.80	0.42	2.16 ⁷	52,276	34
08-31-2020	8.86	0.19 ⁷	0.54	0.73	(0.23)	(0.43)	(0.66)	8.93	8.50	0.81	0.43	2.18 ⁷	45,532	46
08-31-2019	9.25	0.23 ⁷	0.11	0.34	(0.26)	(0.47)	(0.73)	8.86	4.50	0.70	0.41	2.68 ⁷	45,444	48
Class I														
02-29-2024 ⁶	7.35	0.15 ⁷	0.22	0.37	(0.30)	— ⁸	(0.30)	7.42	5.03 ⁹	0.60 ¹⁰	0.12 ¹⁰	3.58 ^{7,10}	37	11
08-31-2023	7.79	0.26 ⁷	0.04	0.30	(0.26)	(0.48)	(0.74)	7.35	4.45	0.57	0.11	3.49 ⁷	279	25
08-31-2022	9.41	0.26 ⁷	(1.14)	(0.88)	(0.25)	(0.49)	(0.74)	7.79	(10.24)	0.53	0.12	3.06 ⁷	515	39
08-31-2021	8.93	0.22 ⁷	0.89	1.11	(0.21)	(0.42)	(0.63)	9.41	12.93	0.50	0.12	2.46 ⁷	452	34
08-31-2020	8.87	0.20 ⁷	0.54	0.74	(0.25)	(0.43)	(0.68)	8.93	8.70	0.51	0.13	2.34 ⁷	503	46
08-31-2019	9.25	0.27 ⁷	0.11	0.38	(0.29)	(0.47)	(0.76)	8.87	4.98	0.42	0.13	3.03 ⁷	133	48
Class R2														
02-29-2024 ⁶	7.34	0.15 ⁷	0.20	0.35	(0.27)	— ⁸	(0.27)	7.42	4.78 ⁹	0.93 ¹⁰	0.45 ¹⁰	3.47 ^{7,10}	140	11
08-31-2023	7.77	0.23 ⁷	0.05	0.28	(0.23)	(0.48)	(0.71)	7.34	4.13	0.96	0.50	3.15 ⁷	132	25
08-31-2022	9.39	0.23 ⁷	(1.15)	(0.92)	(0.21)	(0.49)	(0.70)	7.77	(10.59)	0.91	0.50	2.71 ⁷	553	39
08-31-2021	8.91	0.19 ⁷	0.89	1.08	(0.18)	(0.42)	(0.60)	9.39	12.60	0.84	0.45	2.13 ⁷	568	34
08-31-2020	8.85	0.18 ⁷	0.53	0.71	(0.22)	(0.43)	(0.65)	8.91	8.31	0.90	0.51	2.10 ⁷	359	46
08-31-2019	9.23	0.22 ⁷	0.12	0.34	(0.25)	(0.47)	(0.72)	8.85	4.51	0.80	0.51	2.57 ⁷	491	48
Class R4														
02-29-2024 ⁶	7.35	0.16 ⁷	0.19	0.35	(0.29)	— ⁸	(0.29)	7.41	4.75 ⁹	0.82 ¹⁰	0.25 ¹⁰	3.70 ^{7,10}	65	11
08-31-2023	7.78	0.24 ⁷	0.06	0.30	(0.25)	(0.48)	(0.73)	7.35	4.42	0.82	0.26	3.32 ⁷	60	25
08-31-2022	9.41	0.25 ⁷	(1.16)	(0.91)	(0.23)	(0.49)	(0.72)	7.78	(10.48)	0.77	0.26	2.94 ⁷	54	39
08-31-2021	8.92	0.21 ⁷	0.90	1.11	(0.20)	(0.42)	(0.62)	9.41	12.92	0.74	0.26	2.32 ⁷	66	34
08-31-2020	8.86	0.20 ⁷	0.53	0.73	(0.24)	(0.43)	(0.67)	8.92	8.57	0.75	0.26	2.33 ⁷	52	46
08-31-2019	9.24	0.24 ⁷	0.12	0.36	(0.27)	(0.47)	(0.74)	8.86	4.79	0.65	0.26	2.78 ⁷	89	48
Class R5														
02-29-2024 ⁶	7.35	0.16 ⁷	0.20	0.36	(0.30)	— ⁸	(0.30)	7.41	4.94 ⁹	0.53 ¹⁰	0.06 ¹⁰	3.84 ^{7,10}	791	11
08-31-2023	7.78	0.26 ⁷	0.06	0.32	(0.27)	(0.48)	(0.75)	7.35	4.64	0.52	0.06	3.54 ⁷	1,458	25
08-31-2022	9.42	0.25 ⁷	(1.15)	(0.90)	(0.25)	(0.49)	(0.74)	7.78	(10.30)	0.47	0.06	3.07 ⁷	1,693	39
08-31-2021	8.93	0.24 ⁷	0.89	1.13	(0.22)	(0.42)	(0.64)	9.42	12.99	0.44	0.05	2.58 ⁷	701	34
08-31-2020	8.87	0.24 ⁷	0.51	0.75	(0.26)	(0.43)	(0.69)	8.93	8.78	0.45	0.06	2.76 ⁷	25	46
08-31-2019	9.25	0.28 ⁷	0.10	0.38	(0.29)	(0.47)	(0.76)	8.87	5.03	0.35	0.06	3.21 ⁷	34	48
Class R6														
02-29-2024 ⁶	7.37	0.17 ⁷	0.19	0.36	(0.31)	— ⁸	(0.31)	7.42	4.84 ⁹	0.48 ¹⁰	0.01 ¹⁰	3.92 ^{7,10}	10,261	11
08-31-2023	7.80	0.26 ⁷	0.06	0.32	(0.27)	(0.48)	(0.75)	7.37	4.69	0.47	0.01	3.57 ⁷	10,420	25
08-31-2022	9.43	0.28 ⁷	(1.16)	(0.88)	(0.26)	(0.49)	(0.75)	7.80	(10.22)	0.42	0.01	3.21 ⁷	10,168	39
08-31-2021	8.94	0.23 ⁷	0.90	1.13	(0.22)	(0.42)	(0.64)	9.43	13.17	0.40	0.01	2.57 ⁷	10,913	34
08-31-2020	8.88	0.22 ⁷	0.53	0.75	(0.26)	(0.43)	(0.69)	8.94	8.83	0.40	—	2.59 ⁷	8,496	46
08-31-2019	9.26	0.26 ⁷	0.13	0.39	(0.30)	(0.47)	(0.77)	8.88	5.09	0.30	—	2.97 ⁷	8,356	48

Financial highlights continued

Multimanager 2010 Lifetime Portfolio (continued)

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ^{3, 4}	Ratios to average net assets			Net assets, end of period (in thousands)	Portfolio turnover (%)
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁵	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²		
Class 1														
02-29-2024 ⁶	7.36	0.16 ⁷	0.20	0.36	(0.30)	— ⁸	(0.30)	7.42	4.95 ⁹	0.52 ¹⁰	0.05 ¹⁰	3.87 ^{7, 10}	74,752	11
08-31-2023	7.79	0.26 ⁷	0.06	0.32	(0.27)	(0.48)	(0.75)	7.36	4.64	0.51	0.05	3.55 ⁷	78,429	25
08-31-2022	9.42	0.27 ⁷	(1.16)	(0.89)	(0.25)	(0.49)	(0.74)	7.79	(10.27)	0.46	0.05	3.17 ⁷	87,991	39
08-31-2021	8.94	0.23 ⁷	0.89	1.12	(0.22)	(0.42)	(0.64)	9.42	13.00	0.44	0.05	2.55 ⁷	113,965	34
08-31-2020	8.87	0.22 ⁷	0.54	0.76	(0.26)	(0.43)	(0.69)	8.94	8.90	0.44	0.05	2.56 ⁷	118,858	46
08-31-2019	9.26	0.27 ⁷	0.10	0.37	(0.29)	(0.47)	(0.76)	8.87	4.92	0.34	0.05	3.07 ⁷	134,078	48

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.

³ Total returns would have been lower had certain expenses not been reduced and other income not been received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies during the applicable periods.

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁶ Six months ended 2-29-24. Unaudited.

⁷ Net investment income (loss) per share and net investment income (loss) ratio reflect other income received from the Advisor for reimbursement of indirect net expenses associated with the portfolio's investments in underlying investment companies of less than \$0.005, less than \$0.005, less than \$0.005, \$0.01, \$0.01, and \$0.02 per share and 0.03%, 0.03%, 0.05%, 0.08%, 0.09%, and 0.17%, for the periods ended 2-29-24, 8-31-23, 8-31-22, 8-31-21, 8-31-20 and 8-31-19, respectively.

⁸ Less than \$0.005 per share.

⁹ Not annualized.

¹⁰ Annualized.

Notes to financial statements (unaudited)

Note 1 — Organization

John Hancock Funds II (the Trust) is an open-end management investment company organized as a Massachusetts business trust. The Trust is registered under the Investment Company Act of 1940, as amended (the 1940 Act). It is a series company with multiple investment series, twelve of which are presented in this report (collectively, Multimanager Lifetime Portfolios, or the portfolios and individually, the portfolio). The portfolios operate as “funds of funds” that may invest in affiliated underlying funds of the Trust, other funds in the John Hancock group of funds complex, non-John Hancock funds and certain other permitted investments.

The portfolios may offer multiple classes of shares. The shares currently offered by the portfolios are detailed in the Statements of assets and liabilities. Class A shares are offered to all investors. Class I shares are offered to institutions and certain investors. Class R2, Class R4 and Class R5 shares are available only to certain retirement and 529 plans. Class R6 shares are only available to certain retirement plans, institutions and other investors. Class 1 shares are offered only to certain affiliates of Manulife Financial Corporation. Shareholders of each class have exclusive voting rights to matters that affect that class. The distribution and service fees, if any, and transfer agent fees for each class may differ.

The investment objective of each portfolio is to seek high total return through the portfolio’s target retirement date, with a greater focus on income beyond the target date. Total return, commonly understood as the combination of income and capital appreciation, includes interest, capital gains, dividends, and distributions realized over a given period of time.

The accounting policies of the underlying funds in which the portfolios invest are outlined in the underlying funds’ shareholder reports, which include the underlying funds’ financial statements. These are available on the Securities and Exchange Commission (SEC) website at sec.gov. John Hancock underlying funds’ shareholder reports are also available without charge by calling 800-225-5291 or visiting jhinvestments.com. The underlying funds are not covered by this report.

Note 2 — Significant accounting policies

The financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America (US GAAP), which require management to make certain estimates and assumptions as of the date of the financial statements. Actual results could differ from those estimates and those differences could be significant. The portfolios qualify as investment companies under Topic 946 of Accounting Standards Codification of US GAAP.

Events or transactions occurring after the end of the fiscal period through the date that the financial statements were issued have been evaluated in the preparation of the financial statements. The following summarizes the significant accounting policies of the portfolios:

Security valuation. Investments are stated at value as of the scheduled close of regular trading on the New York Stock Exchange (NYSE), normally at 4:00 P.M., Eastern Time. In case of emergency or other disruption resulting in the NYSE not opening for trading or the NYSE closing at a time other than the regularly scheduled close, the net asset value (NAV) may be determined as of the regularly scheduled close of the NYSE pursuant to the Valuation Policies and Procedures of the Advisor, John Hancock Investment Management LLC.

In order to value the securities, the portfolios use the following valuation techniques: Investments in affiliated underlying funds and other open-end mutual funds, including John Hancock Collateral Trust, are valued at their respective NAVs each business day. Equity securities, including exchange-traded or closed-end funds, are typically valued at the last sale price or official closing price on the exchange or principal market where the security trades. In the event there were no sales during the day or closing prices are not available, the securities are valued using the last available bid price. Debt obligations are typically valued based on evaluated prices provided by an independent pricing vendor. Independent pricing vendors utilize matrix pricing, which takes into account factors such as institutional-size trading in similar groups of securities, yield, quality, coupon rate, maturity, type of issue, trading characteristics and other market data, as well as broker supplied prices.

In certain instances, the Pricing Committee of the Advisor may determine to value equity securities using prices obtained from another exchange or market if trading on the exchange or market on which prices are typically obtained did not open for trading as scheduled, or if trading closed earlier than scheduled, and trading occurred as normal on another exchange or market.

Other portfolio securities and assets, for which reliable market quotations are not readily available, are valued at fair value as determined in good faith by the Pricing Committee following procedures established by the Advisor and adopted by the Board of Trustees. The frequency with which these fair valuation procedures are used cannot be predicted and fair value of securities may differ significantly from the value that would have been used had a ready market for such securities existed.

The portfolios use a three tier hierarchy to prioritize the pricing assumptions, referred to as inputs, used in valuation techniques to measure fair value. Level 1 includes securities valued using quoted prices in active markets for identical securities, including registered investment companies. Level 2 includes securities valued using other significant observable inputs. Observable inputs may include quoted prices for similar securities, interest rates, prepayment speeds and credit risk. Prices for securities valued using these inputs are received from independent pricing vendors and brokers and are based on an evaluation of the inputs described. Level 3 includes securities valued using significant unobservable inputs when market prices are not readily available or reliable, including the Advisor’s assumptions in determining the fair value of investments. Factors used in determining value may include market or issuer specific events or trends, changes in interest rates and credit quality. The inputs or methodology used for valuing securities are not necessarily an indication of the risks associated with investing in those securities. Changes in valuation techniques and related inputs may result in transfers into or out of an assigned level within the disclosure hierarchy.

The following is a summary of the values by input classification of the portfolios’ investments as of February 29, 2024, by major security category or type:

	Total value at 2-29-24	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
Multimanager 2065 Lifetime Portfolio				
Investments in securities:				

	Total value at 2-29-24	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
Multimanager 2065 Lifetime Portfolio (continued)				
Assets				
Affiliated investment companies	\$71,218,810	\$71,218,810	—	—
Unaffiliated investment companies	5,079,502	5,079,502	—	—
Common stocks	683	—	—	\$683
U.S. Government and Agency obligations	1,505,101	—	\$1,505,101	—
Short-term investments	156,056	156,056	—	—
Total investments in securities	\$77,960,152	\$76,454,368	\$1,505,101	\$683

Multimanager 2060 Lifetime Portfolio

Investments in securities:

Assets				
Affiliated investment companies	\$257,201,731	\$257,201,731	—	—
Unaffiliated investment companies	18,470,307	18,470,307	—	—
Common stocks	7,570	—	—	\$7,570
U.S. Government and Agency obligations	5,708,898	—	\$5,708,898	—
Short-term investments	548,884	548,884	—	—
Total investments in securities	\$281,937,390	\$276,220,922	\$5,708,898	\$7,570

Multimanager 2055 Lifetime Portfolio

Investments in securities:

Assets				
Affiliated investment companies	\$369,804,247	\$369,804,247	—	—
Unaffiliated investment companies	26,452,547	26,452,547	—	—
Common stocks	14,848	—	—	\$14,848
U.S. Government and Agency obligations	8,306,456	—	\$8,306,456	—
Short-term investments	713,320	713,320	—	—
Total investments in securities	\$405,291,418	\$396,970,114	\$8,306,456	\$14,848

Multimanager 2050 Lifetime Portfolio

Investments in securities:

Assets				
Affiliated investment companies	\$552,773,961	\$552,773,961	—	—
Unaffiliated investment companies	39,568,144	39,568,144	—	—
Common stocks	26,695	—	—	\$26,695
U.S. Government and Agency obligations	12,601,648	—	\$12,601,648	—
Short-term investments	866,286	866,286	—	—
Total investments in securities	\$605,836,734	\$593,208,391	\$12,601,648	\$26,695

Multimanager 2045 Lifetime Portfolio

Investments in securities:

Assets				
Affiliated investment companies	\$835,467,007	\$835,467,007	—	—
Unaffiliated investment companies	56,474,736	56,474,736	—	—
Common stocks	45,894	—	—	\$45,894
U.S. Government and Agency obligations	23,753,208	—	\$23,753,208	—
Short-term investments	2,140,293	2,140,293	—	—
Total investments in securities	\$917,881,138	\$894,082,036	\$23,753,208	\$45,894

Multimanager 2040 Lifetime Portfolio

Investments in securities:

Assets				
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	Total value at 2-29-24	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
Multimanager 2040 Lifetime Portfolio (continued)				
Affiliated investment companies	\$859,072,283	\$859,072,283	—	—
Unaffiliated investment companies	51,676,172	51,676,172	—	—
Common stocks	48,453	—	—	\$48,453
U.S. Government and Agency obligations	32,501,042	—	\$32,501,042	—
Short-term investments	1,882,878	1,882,878	—	—
Total investments in securities	\$945,180,828	\$912,631,333	\$32,501,042	\$48,453

Multimanager 2035 Lifetime Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$1,001,902,524	\$1,001,902,524	—	—
Unaffiliated investment companies	50,925,575	50,925,575	—	—
Common stocks	51,184	—	—	\$51,184
U.S. Government and Agency obligations	47,718,876	—	\$47,718,876	—
Short-term investments	1,630,169	1,630,169	—	—
Total investments in securities	\$1,102,228,328	\$1,054,458,268	\$47,718,876	\$51,184

Multimanager 2030 Lifetime Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$1,064,842,122	\$1,064,842,122	—	—
Unaffiliated investment companies	49,672,450	49,672,450	—	—
Common stocks	54,455	—	—	\$54,455
U.S. Government and Agency obligations	68,556,894	—	\$68,556,894	—
Short-term investments	2,184,683	2,184,683	—	—
Total investments in securities	\$1,185,310,604	\$1,116,699,255	\$68,556,894	\$54,455

Multimanager 2025 Lifetime Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$802,424,372	\$802,424,372	—	—
Unaffiliated investment companies	27,979,539	27,979,539	—	—
Common stocks	39,769	—	—	\$39,769
U.S. Government and Agency obligations	59,382,246	—	\$59,382,246	—
Short-term investments	2,179,171	2,179,171	—	—
Total investments in securities	\$892,005,097	\$832,583,082	\$59,382,246	\$39,769

Multimanager 2020 Lifetime Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$409,141,283	\$409,141,283	—	—
Unaffiliated investment companies	10,761,796	10,761,796	—	—
Common stocks	18,107	—	—	\$18,107
U.S. Government and Agency obligations	33,740,403	—	\$33,740,403	—
Short-term investments	1,141,223	1,141,223	—	—
Total investments in securities	\$454,802,812	\$421,044,302	\$33,740,403	\$18,107

Multimanager 2015 Lifetime Portfolio

Investments in securities:

Assets

	Total value at 2-29-24	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
Multimanager 2015 Lifetime Portfolio (continued)				
Affiliated investment companies	\$154,733,314	\$154,733,314	—	—
Unaffiliated investment companies	3,882,664	3,882,664	—	—
Common stocks	5,461	—	—	\$5,461
U.S. Government and Agency obligations	13,567,128	—	\$13,567,128	—
Short-term investments	206,483	206,483	—	—
Total investments in securities	\$172,395,050	\$158,822,461	\$13,567,128	\$5,461

Multimanager 2010 Lifetime Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$111,805,993	\$111,805,993	—	—
Unaffiliated investment companies	2,083,789	2,083,789	—	—
Common stocks	2,922	—	—	\$2,922
U.S. Government and Agency obligations	10,592,951	—	\$10,592,951	—
Short-term investments	291,328	291,328	—	—
Total investments in securities	\$124,776,983	\$114,181,110	\$10,592,951	\$2,922

Level 3 includes securities valued at \$0. Refer to Portfolios' investments.

Inflation-indexed bonds. Inflation-indexed bonds are securities that generally have a lower coupon interest rate fixed at issuance but whose principal value is periodically adjusted based on a rate of inflation, such as the Consumer Price Index. Over the life of an inflation-indexed bond, interest is paid on the inflation adjusted principal value as described above. Increases in the principal amount of these securities are recorded as interest income. Decreases in the principal amount of these securities may reduce interest income to the extent of income previously recorded. If these decreases are in excess of income previously recorded, an adjustment to the cost of the security is made.

Stripped securities. Stripped securities are financial instruments structured to separate principal and interest cash flows so that one class receives principal payments from the underlying assets (PO or principal only), while the other class receives the interest cash flows (IO or interest only). Both PO and IO investments represent an interest in the cash flows of an underlying stripped security. If the underlying assets experience greater than anticipated prepayments of principal, the portfolios may fail to fully recover its initial investment in an IO security. The market value of these securities can be extremely volatile in response to changes in interest rates or prepayments on the underlying securities. In addition, these securities present additional credit risk such that the portfolios may not receive all or part of its principal or interest payments because the borrower or issuer has defaulted on its obligation.

Security transactions and related investment income. Investment security transactions are accounted for on a trade date plus one basis for daily NAV calculations. However, for financial reporting purposes, investment transactions are reported on trade date. Interest income is accrued as earned. Interest income includes coupon interest and amortization/accretion of premiums/discounts on debt securities. Debt obligations may be placed in a non-accrual status and related interest income may be reduced by stopping current accruals and writing off interest receivable when the collection of all or a portion of interest has become doubtful. Capital gain distributions from underlying funds are recorded on ex-date. Dividend income is recorded on ex-date, except for dividends of certain foreign securities where the dividend may not be known until after the ex-date. In those cases, dividend income, net of withholding taxes, is recorded when the portfolio becomes aware of the dividends. Non-cash dividends, if any, are recorded at the fair market value of the securities received. Gains and losses on securities sold are determined on the basis of identified cost and may include proceeds from litigation. Return of capital distributions from underlying funds, if any, are treated as a reduction of cost.

Overdraft. The portfolios may have the ability to borrow from banks for temporary or emergency purposes, including meeting redemption requests that otherwise might require the untimely sale of securities. Pursuant to the portfolios' custodian agreement, the custodian may loan money to the portfolios to make properly authorized payments. The portfolios are obligated to repay the custodian for any overdraft, including any related costs or expenses. The custodian may have a lien, security interest or security entitlement in any portfolio property that is not otherwise segregated or pledged, to the extent of any overdraft, and to the maximum extent permitted by law. Overdrafts at period end, if any, are presented under the caption Due to custodian in the Statements of assets and liabilities.

Line of credit. The portfolios and other affiliated funds have entered into a syndicated line of credit agreement with Citibank, N.A. as the administrative agent that enables them to participate in a \$1 billion unsecured committed line of credit. Excluding commitments designated for a certain fund and subject to the needs of all other affiliated funds, a portfolio can borrow up to an aggregate commitment amount of \$750 million, subject to asset coverage and other limitations as specified in the agreement. A commitment fee payable at the end of each calendar quarter, based on the average daily unused portion of each line of credit, is charged to each participating portfolio based on a combination of fixed and asset-based allocations and is reflected in Other expenses on the Statements of operations. For the six months ended February 29, 2024, the portfolios had no borrowings under the line of credit.

Commitment fees for the six months ended February 29, 2024 were as follows:

Portfolio	Commitment fee
Multimanager 2065 Lifetime Portfolio	\$1,814

Portfolio	Commitment fee
Multimanager 2060 Lifetime Portfolio	\$2,109
Multimanager 2055 Lifetime Portfolio	2,304
Multimanager 2050 Lifetime Portfolio	2,623
Multimanager 2045 Lifetime Portfolio	3,128
Multimanager 2040 Lifetime Portfolio	3,213
Multimanager 2035 Lifetime Portfolio	3,467
Multimanager 2030 Lifetime Portfolio	3,656
Multimanager 2025 Lifetime Portfolio	3,263
Multimanager 2020 Lifetime Portfolio	2,544
Multimanager 2015 Lifetime Portfolio	2,018
Multimanager 2010 Lifetime Portfolio	1,941

Expenses. Within the John Hancock group of funds complex, expenses that are directly attributable to an individual portfolio are allocated to such portfolio. Expenses that are not readily attributable to a specific portfolio are allocated among all portfolios in an equitable manner, taking into consideration, among other things, the nature and type of expense and each portfolio's relative net assets. Expense estimates are accrued in the period to which they relate and adjustments are made when actual amounts are known.

Class allocations. Income, common expenses and realized and unrealized gains (losses) are determined at the portfolio level and allocated daily to each class of shares based on the net assets of the class. Class-specific expenses, such as distribution and service fees, if any, and transfer agent fees, for all classes, are charged daily at the class level based on the net assets of each class and the specific expense rates applicable to each class.

Federal income taxes. Each portfolio intends to continue to qualify as a regulated investment company by complying with the applicable provisions of the Internal Revenue Code and will not be subject to federal income tax on taxable income that is distributed to shareholders. Therefore, no federal income tax provision is required.

For federal income tax purposes, as of August 31, 2023, certain portfolios have capital loss carryforwards available to offset future net realized capital gains. The following table details the capital loss carryforwards available as of August 31, 2023:

Portfolio	No Expiration Date	
	Short Term	Long Term
Multimanager 2030 Lifetime Portfolio	\$3,340,710	\$5,903,831
Multimanager 2025 Lifetime Portfolio	5,516,489	5,403,142
Multimanager 2020 Lifetime Portfolio	1,701,532	3,948,307
Multimanager 2015 Lifetime Portfolio	588,299	469,367
Multimanager 2010 Lifetime Portfolio	339,695	383,691

As of August 31, 2023, the portfolios had no uncertain tax positions that would require financial statement recognition, derecognition or disclosure. The portfolios' federal tax returns are subject to examination by the Internal Revenue Service for a period of three years.

For federal income tax purposes, the costs of investments owned on February 29, 2024, including short-term investments, were as follows:

Portfolio	Aggregate cost	Unrealized appreciation	Unrealized (depreciation)	Net unrealized appreciation/(depreciation)
Multimanager 2065 Lifetime Portfolio	\$75,012,659	\$3,551,116	\$(603,623)	\$2,947,493
Multimanager 2060 Lifetime Portfolio	274,886,043	11,444,761	(4,393,414)	7,051,347
Multimanager 2055 Lifetime Portfolio	392,932,413	18,643,677	(6,284,672)	12,359,005
Multimanager 2050 Lifetime Portfolio	583,257,586	32,472,519	(9,893,371)	22,579,148
Multimanager 2045 Lifetime Portfolio	840,629,242	88,503,975	(11,252,079)	77,251,896
Multimanager 2040 Lifetime Portfolio	874,689,650	86,618,947	(16,127,769)	70,491,178
Multimanager 2035 Lifetime Portfolio	1,039,586,763	94,614,091	(31,972,526)	62,641,565
Multimanager 2030 Lifetime Portfolio	1,136,174,950	91,567,099	(42,431,445)	49,135,654
Multimanager 2025 Lifetime Portfolio	881,464,417	50,204,355	(39,663,675)	10,540,680
Multimanager 2020 Lifetime Portfolio	459,050,654	18,747,304	(22,995,146)	(4,247,842)
Multimanager 2015 Lifetime Portfolio	174,930,025	6,694,259	(9,229,234)	(2,534,975)
Multimanager 2010 Lifetime Portfolio	128,675,956	1,902,408	(5,801,381)	(3,898,973)

Distribution of income and gains. Distributions to shareholders from net investment income and net realized gains, if any, are recorded on the ex-date. The portfolios generally declare and pay dividends and capital gain distributions, if any, annually.

Distributions paid by the portfolios with respect to each class of shares are calculated in the same manner, at the same time and in the same amount, except for the effect of class level expenses that may be applied differently to each class.

Such distributions, on a tax basis, are determined in conformity with income tax regulations, which may differ from US GAAP. Distributions in excess of tax basis earnings and profits, if any, are reported in the portfolios' financial statements as a return of capital. The final determination of tax characteristics of the portfolio's distribution will occur at the end of the year and will subsequently be reported to shareholders. Short-term gains from underlying funds are treated as ordinary income for tax purposes.

Capital accounts within the financial statements are adjusted for permanent book-tax differences. These adjustments have no impact on net assets or the results of operations. Temporary book-tax differences, if any, will reverse in a subsequent period. Book-tax differences are primarily attributable to wash sale loss deferrals.

Note 3 — Guarantees and indemnifications

Under the Trust's organizational documents, its Officers and Trustees are indemnified against certain liabilities arising out of the performance of their duties to the Trust, including the portfolios. Additionally, in the normal course of business, the Trust enters into contracts with service providers that contain general indemnification clauses. The Trust's maximum exposure under these arrangements is unknown, as this would involve future claims that may be made against the Trust that have not yet occurred. The risk of material loss from such claims is considered remote.

Note 4 — Fees and transactions with affiliates

John Hancock Investment Management LLC (the Advisor) serves as investment advisor for the portfolios. John Hancock Investment Management Distributors LLC (the Distributor), an affiliate of the Advisor, serves as principal underwriter of the portfolios. The Advisor and the Distributor are indirect, principally owned subsidiaries of John Hancock Life Insurance Company (U.S.A.), which in turn is a subsidiary of Manulife Financial Corporation.

Management fee. The portfolios have an investment management agreement with the Advisor under which the portfolios pay a daily management fee to the Advisor as detailed below. The Advisor has a subadvisory agreement with Manulife Investment Management (US) LLC, an indirect, wholly owned subsidiary of Manulife Financial Corporation and an affiliate of the Advisor. The portfolios are not responsible for payment of the subadvisory fees.

The management fee has two components: (1) a fee on assets invested in a fund of the Trust or John Hancock Funds III (JHF III) (Assets in a fund of the Trust or JHF III); and (2) a fee on assets invested in investments other than a fund of the Trust or JHF III (Other assets). Aggregate net assets include the net assets of the portfolios, similar portfolios of John Hancock Variable Insurance Trust (JHVIT), and similar portfolios of the Trust. JHVIT funds are advised by an affiliate of the Advisor, John Hancock Variable Trust Advisers LLC and are distributed by an affiliate of the Advisor, John Hancock Distributors, LLC.

Management fees are determined in accordance with the following schedule:

	First \$7.5 billion of aggregate net assets	Excess over \$7.5 billion of aggregate net assets
Assets in a fund of the Trust or JHF III	0.060%	0.050%
Other assets	0.510%	0.500%

Expense reimbursements. The Advisor has contractually agreed to reduce its management fees or if necessary make payment to each portfolio in an amount by which certain expenses, including underlying fund expenses (acquired fund fees), exceed the amount indicated below of the respective portfolio's average net assets. This expense limitation agreement expires on December 31, 2024, unless renewed by mutual agreement of the portfolios and the Advisor based upon a determination that this is appropriate under the circumstances at that time.

Portfolio	Expense limitation as a percentage of average net assets	Portfolio	Expense limitation as a percentage of average net assets
Multimanager 2065 Lifetime Portfolio	0.58%	Multimanager 2035 Lifetime Portfolio	0.59%
Multimanager 2060 Lifetime Portfolio	0.58%	Multimanager 2030 Lifetime Portfolio	0.57%
Multimanager 2055 Lifetime Portfolio	0.59%	Multimanager 2025 Lifetime Portfolio	0.56%
Multimanager 2050 Lifetime Portfolio	0.60%	Multimanager 2020 Lifetime Portfolio	0.54%
Multimanager 2045 Lifetime Portfolio	0.58%	Multimanager 2015 Lifetime Portfolio	0.52%
Multimanager 2040 Lifetime Portfolio	0.58%	Multimanager 2010 Lifetime Portfolio	0.50%

Payments under this arrangement are intended to reimburse the portfolios for a portion of the indirect net expenses associated with the portfolios' investments in underlying funds. Amounts received in excess of portfolio level operating expenses, if any, are included as Other income received from advisor in the Statements of operations.

Additionally, the Advisor has voluntarily agreed to waive its management fee for each portfolio so that the aggregate management fee retained by the Advisor with respect to both the portfolio and its underlying investments (after payment of subadvisory fees) does not exceed 0.51% of the portfolio's first \$7.5 billion of average net assets and 0.50% of the portfolio's average net assets in excess of \$7.5 billion. The Advisor may terminate this voluntary waiver at any time upon notice to the Trust.

For the six months ended February 29, 2024, the expense reductions under these agreements amounted to the following and are reflected as a reduction of total expenses in the Statements of operations:

Portfolio	Expense reimbursement by class							Total
	Class A	Class I	Class R2	Class R4	Class R5	Class R6	Class 1	
Multimanager 2065 Lifetime Portfolio	\$1,742	\$344	\$149	\$145	\$600	\$11,971	\$149,884	\$164,835
Multimanager 2060 Lifetime Portfolio	16,139	164	1,484	99	3,698	42,852	326,308	390,744
Multimanager 2055 Lifetime Portfolio	44,641	503	1,527	64	6,147	56,975	417,802	527,659
Multimanager 2050 Lifetime Portfolio	104,249	598	5,196	1,504	5,510	74,635	560,868	752,560
Multimanager 2045 Lifetime Portfolio	191,879	759	8,332	432	7,183	90,593	844,148	1,143,326
Multimanager 2040 Lifetime Portfolio	220,686	890	7,357	718	8,814	92,010	888,448	1,218,923
Multimanager 2035 Lifetime Portfolio	265,901	485	12,821	297	12,165	115,002	1,061,979	1,468,650
Multimanager 2030 Lifetime Portfolio	321,976	2,159	13,779	1,407	14,068	128,550	1,169,442	1,651,381
Multimanager 2025 Lifetime Portfolio	297,142	3,239	11,509	757	12,036	97,349	958,359	1,380,391
Multimanager 2020 Lifetime Portfolio	268,534	1,125	7,316	645	13,080	47,728	459,812	798,240
Multimanager 2015 Lifetime Portfolio	159,548	631	1,055	37	1,021	20,820	177,663	360,775
Multimanager 2010 Lifetime Portfolio	91,631	235	314	145	2,578	23,970	176,829	295,702

Expenses waived or reimbursed in the current fiscal period are not subject to recapture in future fiscal periods.

The investment management fees, including the impact of the waivers and reimbursements as described above, incurred for the six months ended February 29, 2024, were equivalent to a net annual effective rate of the portfolios' average daily net assets as follows:

Portfolio	Net Annual Effective Rate	Portfolio	Net Annual Effective Rate
Multimanager 2065 Lifetime Portfolio	0.00%	Multimanager 2035 Lifetime Portfolio	0.00%
Multimanager 2060 Lifetime Portfolio	0.00%	Multimanager 2030 Lifetime Portfolio	0.00%
Multimanager 2055 Lifetime Portfolio	0.00%	Multimanager 2025 Lifetime Portfolio	0.00%
Multimanager 2050 Lifetime Portfolio	0.00%	Multimanager 2020 Lifetime Portfolio	0.00%
Multimanager 2045 Lifetime Portfolio	0.00%	Multimanager 2015 Lifetime Portfolio	0.00%
Multimanager 2040 Lifetime Portfolio	0.00%	Multimanager 2010 Lifetime Portfolio	0.00%

Accounting and legal services. Pursuant to a service agreement, the portfolios reimburse the Advisor for all expenses associated with providing the administrative, financial, legal, compliance, accounting and recordkeeping services to the portfolios, including the preparation of all tax returns, periodic reports to shareholders and regulatory reports, among other services. These expenses are allocated to each share class based on its relative net assets at the time the expense was incurred. These accounting and legal services fees incurred, for the six months ended February 29, 2024, amounted to an annual rate of 0.02% of each portfolios' average daily net assets.

Distribution and service plans. The portfolios have a distribution agreement with the Distributor. The portfolios have adopted distribution and service plans for certain classes as detailed below pursuant to Rule 12b-1 under the 1940 Act, to pay the Distributor for services provided as the distributor of shares of the portfolios. In addition, under a service plan for certain classes as detailed below, the portfolios pay for certain other services. The portfolios may pay up to the following contractual rates of distribution and service fees under these arrangements, expressed as an annual percentage of average daily net assets for each class of the portfolios' shares:

Class	Rule 12b-1 Fee	Service fee
Class A	0.30%	—
Class R2	0.25%	0.25%
Class R4	0.25%	0.10%
Class R5	—	0.05%
Class 1	0.05%	—

The portfolios' Distributor has contractually agreed to waive 0.10% of Rule 12b-1 fees for Class R4 shares. The current waiver agreement expires on December 31, 2024, unless renewed by mutual agreement of the portfolios and the Distributor based upon a determination that this is appropriate under the circumstances at the time. This contractual waiver amounted to the following for Class R4 shares for the six months ended February 29, 2024:

Portfolio	Class R4	Portfolio	Class R4
Multimanager 2065 Lifetime Portfolio	\$29	Multimanager 2035 Lifetime Portfolio	\$105
Multimanager 2060 Lifetime Portfolio	32	Multimanager 2030 Lifetime Portfolio	484
Multimanager 2055 Lifetime Portfolio	22	Multimanager 2025 Lifetime Portfolio	242
Multimanager 2050 Lifetime Portfolio	561	Multimanager 2020 Lifetime Portfolio	186
Multimanager 2045 Lifetime Portfolio	161	Multimanager 2015 Lifetime Portfolio	9
Multimanager 2040 Lifetime Portfolio	261	Multimanager 2010 Lifetime Portfolio	31

Sales charges. Class A shares are assessed up-front sales charges of up to 5.00% of net asset value for such shares. The following table summarizes the net up-front sales charges received by the Distributor during the six months ended February 29, 2024:

	Multimanager 2065 Lifetime Portfolio	Multimanager 2060 Lifetime Portfolio	Multimanager 2055 Lifetime Portfolio	Multimanager 2050 Lifetime Portfolio	Multimanager 2045 Lifetime Portfolio	Multimanager 2040 Lifetime Portfolio	Multimanager 2035 Lifetime Portfolio	Multimanager 2030 Lifetime Portfolio	Multimanager 2025 Lifetime Portfolio	Multimanager 2020 Lifetime Portfolio	Multimanager 2015 Lifetime Portfolio	Multimanager 2010 Lifetime Portfolio
Total sales charges	\$1,755	\$3,232	\$6,608	\$5,242	\$5,737	\$7,026	\$6,654	\$8,387	\$3,374	\$937	\$8,524	\$283
Retained for printing prospectus, advertising and sales literature	279	540	1,120	902	976	1,193	1,135	1,421	532	159	1,569	47
Sales commission to unrelated broker-dealers	1,476	2,692	5,488	4,340	4,761	5,833	5,519	6,966	2,842	778	6,955	236

Class A shares may be subject to contingent deferred sales charges (CDSCs). Certain Class A shares purchased, including those that are acquired through purchases of \$1 million or more, and redeemed within one year of purchase are subject to a 1.00% sales charge. CDSCs are applied to the lesser of the current market value at the time of redemption or the original purchase cost of the shares being redeemed. Proceeds from CDSCs are used to compensate the Distributor for providing distribution-related services in connection with the sale of these shares. During the six months ended February 29, 2024, CDSCs received by the Distributor for Class A shares were as follows:

Portfolio	Class A
Multimanager 2055 Lifetime Portfolio	\$147
Multimanager 2035 Lifetime Portfolio	16

Transfer agent fees. The John Hancock group of funds has a complex-wide transfer agent agreement with John Hancock Signature Services, Inc. (Signature Services), an affiliate of the Advisor. The transfer agent fees paid to Signature Services are determined based on the cost to Signature Services (Signature Services Cost) of providing recordkeeping services. It also includes out-of-pocket expenses, including payments made to third-parties for recordkeeping services provided to their clients who invest in one or more John Hancock funds. In addition, Signature Services Cost may be reduced by certain fees that Signature Services receives in connection with retirement and small accounts. Signature Services Cost is calculated monthly and allocated, as applicable, to five categories of share classes: Retail Share and Institutional Share Classes of Non-Municipal Bond Funds, Class R6 Shares, Retirement Share Classes and Municipal Bond Share Classes. Within each of these categories, the applicable costs are allocated to the affected John Hancock affiliated funds and/or classes, based on the relative average daily net assets.

Class level expenses. Class level expenses for the six months ended February 29, 2024 were as follows:

Portfolio	Class	Distribution and service fees	Transfer agent fees
Multimanager 2065 Lifetime Portfolio	Class A	\$1,015	\$412
	Class I	—	82
	Class R2	75	2
	Class R4	71	1
	Class R5	42	6
	Class R6	—	123
	Class 1	14,584	—
	Total	\$15,787	\$626
Multimanager 2060 Lifetime Portfolio	Class A	\$15,464	\$6,299
	Class I	—	63
	Class R2	2,388	25
	Class R4	87	2
	Class R5	603	62
	Class R6	—	720
	Class 1	52,089	—
	Total	\$70,631	\$7,171

Portfolio	Class	Distribution and service fees	Transfer agent fees
Multimanager 2055 Lifetime Portfolio	Class A	\$46,303	\$18,867
	Class I	—	209
	Class R2	2,623	28
	Class R4	56	1
	Class R5	1,099	112
	Class R6	—	1,036
	Class 1	72,190	—
	Total	\$122,271	\$20,253
Multimanager 2050 Lifetime Portfolio	Class A	\$115,401	\$47,027
	Class I	—	265
	Class R2	9,359	101
	Class R4	1,949	29
	Class R5	1,040	107
	Class R6	—	1,449
	Class 1	103,437	—
	Total	\$231,186	\$48,978
Multimanager 2045 Lifetime Portfolio	Class A	\$213,973	\$87,195
	Class I	—	340
	Class R2	15,396	163
	Class R4	559	9
	Class R5	1,353	140
	Class R6	—	1,773
	Class 1	156,906	—
	Total	\$388,187	\$89,620
Multimanager 2040 Lifetime Portfolio	Class A	\$241,410	\$98,384
	Class I	—	395
	Class R2	13,263	141
	Class R4	899	14
	Class R5	1,629	169
	Class R6	—	1,765
	Class 1	161,965	—
	Total	\$419,166	\$100,868
Multimanager 2035 Lifetime Portfolio	Class A	\$282,355	\$115,074
	Class I	—	205
	Class R2	22,793	239
	Class R4	323	6
	Class R5	2,208	226
	Class R6	—	2,142
	Class 1	187,925	—
	Total	\$495,604	\$117,892
Multimanager 2030 Lifetime Portfolio	Class A	\$333,242	\$135,830
	Class I	—	911
	Class R2	23,718	250
	Class R4	1,673	25
	Class R5	2,470	255
	Class R6	—	2,337
	Class 1	201,738	—
	Total	\$562,841	\$139,608
Multimanager 2025 Lifetime Portfolio	Class A	\$284,711	\$116,051
	Class I	—	1,259
	Class R2	18,451	195
	Class R4	850	13
	Class R5	1,903	202
	Class R6	—	1,638
	Class 1	153,097	—

Portfolio	Class	Distribution and service fees	Transfer agent fees
	Total	\$459,012	\$119,358
Multimanager 2020 Lifetime Portfolio	Class A	\$233,369	\$95,123
	Class I	—	400
	Class R2	10,050	112
	Class R4	639	10
	Class R5	1,906	200
	Class R6	—	731
	Class 1	66,646	—
	Total	\$312,610	\$96,576
Multimanager 2015 Lifetime Portfolio	Class A	\$113,240	\$46,151
	Class I	—	186
	Class R2	1,255	13
	Class R4	22	—
	Class R5	121	13
	Class R6	—	260
	Class 1	21,022	—
	Total	\$135,660	\$46,623
Multimanager 2010 Lifetime Portfolio	Class A	\$58,126	\$23,689
	Class I	—	63
	Class R2	298	4
	Class R4	107	2
	Class R5	281	29
	Class R6	—	267
	Class 1	18,706	—
	Total	\$77,518	\$24,054

Trustee expenses. The portfolios compensate each Trustee who is not an employee of the Advisor or its affiliates. The costs of paying Trustee compensation and expenses are allocated to each portfolio based on their net assets relative to other funds within the John Hancock group of funds complex.

Note 5 — Portfolio share transactions

Transactions in portfolios' shares for the six months ended February 29, 2024 and for the year ended August 31, 2023 were as follows:

Multimanager 2065 Lifetime Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	46,861	\$536,169	29,906	\$330,863
Distributions reinvested	1,878	21,987	602	6,079
Repurchased	(15,156)	(171,473)	(7,666)	(83,468)
Net increase	33,583	\$386,683	22,842	\$253,474
Class I shares				
Sold	2,248	\$25,703	5,887	\$63,500
Distributions reinvested	255	2,984	220	2,223
Repurchased	(545)	(6,351)	(230)	(2,461)
Net increase	1,958	\$22,336	5,877	\$63,262
Class R2 shares				
Sold	63	\$720	104	\$1,140
Distributions reinvested	5	59	1	7
Repurchased	(3)	(32)	(3)	(38)
Net increase	65	\$747	102	\$1,109

Multimanager 2065 Lifetime Portfolio , Cont'd

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R4 shares				
Sold	60	\$700	—	—
Distributions reinvested	1	11	—	—
Repurchased	(1)	(12)	—	—
Net increase	60	\$699	—	—
Class R5 shares				
Sold	7,809	\$88,996	9,879	\$107,308
Distributions reinvested	609	7,134	169	1,704
Repurchased	(561)	(6,540)	(219)	(2,265)
Net increase	7,857	\$89,590	9,829	\$106,747
Class R6 shares				
Sold	151,574	\$1,713,266	235,442	\$2,549,507
Distributions reinvested	15,746	184,387	8,283	83,657
Repurchased	(57,364)	(624,612)	(42,912)	(463,465)
Net increase	109,956	\$1,273,041	200,813	\$2,169,699
Class 1 shares				
Sold	1,265,848	\$14,488,574	2,424,895	\$26,240,567
Distributions reinvested	195,775	2,292,529	148,224	1,495,583
Repurchased	(271,667)	(3,037,901)	(525,483)	(5,549,008)
Net increase	1,189,956	\$13,743,202	2,047,636	\$22,187,142
Total net increase	1,343,435	\$15,516,298	2,287,099	\$24,781,433

Multimanager 2060 Lifetime Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	136,152	\$1,641,765	117,707	\$1,381,112
Distributions reinvested	28,063	342,365	107,703	1,130,877
Repurchased	(105,541)	(1,265,925)	(149,507)	(1,728,858)
Net increase	58,674	\$718,205	75,903	\$783,131
Class I shares				
Sold	17,239	\$203,044	29	\$326
Distributions reinvested	127	1,549	—	—
Repurchased	(8,362)	(94,627)	—	—
Net increase	9,004	\$109,966	29	\$326
Class R2 shares				
Sold	8,855	\$104,941	20,795	\$241,780
Distributions reinvested	2,565	31,268	8,107	85,120
Repurchased	(9,729)	(119,688)	(9,369)	(112,223)
Net increase	1,691	\$16,521	19,533	\$214,677
Class R4 shares				
Sold	—	—	2	\$17
Distributions reinvested	48	\$578	233	2,455
Repurchased	(157)	(1,875)	(698)	(8,241)
Net decrease	(109)	\$(1,297)	(463)	\$(5,769)

Multimanager 2060 Lifetime Portfolio , Cont'd	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R5 shares				
Sold	61,597	\$732,198	139,344	\$1,570,472
Distributions reinvested	6,837	83,480	16,490	173,313
Repurchased	(91,496)	(1,045,067)	(19,945)	(227,362)
Net increase (decrease)	(23,062)	\$(229,389)	135,889	\$1,516,423
Class R6 shares				
Sold	538,743	\$6,359,866	1,026,029	\$12,016,240
Distributions reinvested	83,079	1,016,055	207,597	2,183,924
Repurchased	(311,368)	(3,557,495)	(459,113)	(5,462,183)
Net increase	310,454	\$3,818,426	774,513	\$8,737,981
Class 1 shares				
Sold	1,428,279	\$17,082,941	3,323,801	\$38,344,021
Distributions reinvested	635,465	7,765,378	1,996,494	21,003,115
Repurchased	(625,208)	(7,384,978)	(1,540,414)	(17,222,272)
Net increase	1,438,536	\$17,463,341	3,779,881	\$42,124,864
Total net increase	1,795,188	\$21,895,773	4,785,285	\$53,371,633
Multimanager 2055 Lifetime Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	241,469	\$2,493,271	325,879	\$3,292,777
Distributions reinvested	84,967	911,699	383,502	3,532,055
Repurchased	(336,195)	(3,503,274)	(412,000)	(4,158,800)
Net increase (decrease)	(9,759)	\$(98,304)	297,381	\$2,666,032
Class I shares				
Sold	60,633	\$636,588	752	\$7,399
Distributions reinvested	859	9,236	629	5,804
Repurchased	(7,987)	(83,032)	(3,052)	(30,504)
Net increase (decrease)	53,505	\$562,792	(1,671)	\$(17,301)
Class R2 shares				
Sold	15,913	\$167,712	31,358	\$317,067
Distributions reinvested	2,948	31,608	13,564	124,787
Repurchased	(10,293)	(106,740)	(31,264)	(317,571)
Net increase	8,568	\$92,580	13,658	\$124,283
Class R4 shares				
Sold	103	\$1,072	128	\$1,288
Distributions reinvested	6	67	2	21
Repurchased	(1)	(15)	(1)	(14)
Net increase	108	\$1,124	129	\$1,295
Class R5 shares				
Sold	48,285	\$503,680	148,214	\$1,477,088
Distributions reinvested	12,856	138,330	43,326	399,896
Repurchased	(77,462)	(786,166)	(28,842)	(289,603)
Net increase (decrease)	(16,321)	\$(144,156)	162,698	\$1,587,381

Multimanager 2055 Lifetime Portfolio , Cont'd	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R6 shares				
Sold	680,996	\$7,064,244	1,516,188	\$15,577,399
Distributions reinvested	122,048	1,312,012	426,966	3,936,622
Repurchased	(616,561)	(6,055,010)	(1,125,685)	(11,738,080)
Net increase	186,483	\$2,321,246	817,469	\$7,775,941
Class 1 shares				
Sold	1,693,509	\$17,833,580	3,992,043	\$40,681,960
Distributions reinvested	907,251	9,752,951	3,583,949	33,044,014
Repurchased	(1,347,247)	(13,988,398)	(2,917,136)	(28,582,979)
Net increase	1,253,513	\$13,598,133	4,658,856	\$45,142,995
Total net increase	1,476,097	\$16,333,415	5,948,520	\$57,280,626
Multimanager 2050 Lifetime Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	225,594	\$2,452,458	400,969	\$4,207,218
Distributions reinvested	203,934	2,259,587	1,167,416	11,090,452
Repurchased	(489,491)	(5,316,669)	(830,600)	(8,655,019)
Net increase (decrease)	(59,963)	\$(604,624)	737,785	\$6,642,651
Class I shares				
Sold	79,820	\$870,738	2,416	\$25,019
Distributions reinvested	825	9,160	1,307	12,443
Repurchased	(12,876)	(142,547)	(1,291)	(13,310)
Net increase	67,769	\$737,351	2,432	\$24,152
Class R2 shares				
Sold	29,056	\$313,764	78,251	\$825,943
Distributions reinvested	9,617	106,554	65,173	619,139
Repurchased	(36,902)	(399,189)	(123,529)	(1,306,562)
Net increase	1,771	\$21,129	19,895	\$138,520
Class R4 shares				
Sold	9,652	\$103,703	28,025	\$307,970
Distributions reinvested	2,755	30,520	23,278	221,142
Repurchased	(70,622)	(728,611)	(17,345)	(184,100)
Net increase (decrease)	(58,215)	\$(594,388)	33,958	\$345,012
Class R5 shares				
Sold	72,097	\$767,832	203,204	\$2,104,424
Distributions reinvested	11,382	126,454	47,101	448,397
Repurchased	(128,334)	(1,326,295)	(31,733)	(341,619)
Net increase (decrease)	(44,855)	\$(432,009)	218,572	\$2,211,202
Class R6 shares				
Sold	678,149	\$7,267,605	1,787,318	\$19,183,424
Distributions reinvested	158,095	1,756,439	735,116	6,998,307
Repurchased	(1,040,333)	(10,522,208)	(1,235,467)	(13,526,425)
Net increase (decrease)	(204,089)	\$(1,498,164)	1,286,967	\$12,655,306

Multimanager 2050 Lifetime Portfolio , Cont'd	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class 1 shares				
Sold	1,895,431	\$20,441,765	4,302,140	\$45,392,559
Distributions reinvested	1,239,774	13,749,098	6,112,191	58,126,941
Repurchased	(2,197,079)	(23,695,722)	(4,255,225)	(43,688,101)
Net increase	938,126	\$10,495,141	6,159,106	\$59,831,399
Total net increase	640,544	\$8,124,436	8,458,715	\$81,848,242
Multimanager 2045 Lifetime Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	452,595	\$4,117,190	826,187	\$7,540,278
Distributions reinvested	471,203	4,429,308	3,099,303	25,135,349
Repurchased	(849,175)	(7,740,373)	(1,550,761)	(14,107,356)
Net increase	74,623	\$806,125	2,374,729	\$18,568,271
Class I shares				
Sold	43,750	\$404,762	18,348	\$163,503
Distributions reinvested	1,952	18,506	6,167	50,449
Repurchased	(4,523)	(41,692)	(10,772)	(96,606)
Net increase	41,179	\$381,576	13,743	\$117,346
Class R2 shares				
Sold	43,110	\$396,992	101,332	\$937,128
Distributions reinvested	20,007	189,269	136,264	1,111,913
Repurchased	(42,012)	(374,447)	(107,476)	(968,637)
Net increase	21,105	\$211,814	130,120	\$1,080,404
Class R4 shares				
Sold	2,302	\$21,074	4,038	\$37,172
Distributions reinvested	1,141	10,773	6,018	48,987
Repurchased	(30)	(269)	(50)	(462)
Net increase	3,413	\$31,578	10,006	\$85,697
Class R5 shares				
Sold	66,833	\$623,538	177,034	\$1,567,772
Distributions reinvested	19,055	181,401	108,255	888,773
Repurchased	(118,218)	(1,053,545)	(118,175)	(1,109,897)
Net increase (decrease)	(32,330)	\$(248,606)	167,114	\$1,346,648
Class R6 shares				
Sold	1,008,796	\$9,208,198	2,588,418	\$24,165,984
Distributions reinvested	229,833	2,181,111	1,439,675	11,776,539
Repurchased	(1,968,272)	(17,064,638)	(2,074,700)	(19,264,211)
Net increase (decrease)	(729,643)	\$(5,675,329)	1,953,393	\$16,678,312
Class 1 shares				
Sold	2,180,909	\$20,302,487	4,271,874	\$39,281,783
Distributions reinvested	2,309,301	21,938,361	14,047,223	115,046,760
Repurchased	(4,417,431)	(40,542,702)	(7,532,944)	(67,974,422)
Net increase	72,779	\$1,698,146	10,786,153	\$86,354,121
Total net increase (decrease)	(548,874)	\$(2,794,696)	15,435,258	\$124,230,799

Multimanager 2040 Lifetime Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	489,662	\$4,601,513	804,609	\$7,391,677
Distributions reinvested	476,786	4,558,074	3,366,859	27,978,596
Repurchased	(1,266,210)	(11,776,051)	(1,800,291)	(16,462,651)
Net increase (decrease)	(299,762)	\$(2,616,464)	2,371,177	\$18,907,622
Class I shares				
Sold	29,995	\$282,821	14,682	\$136,206
Distributions reinvested	1,975	19,057	11,202	93,875
Repurchased	(5,443)	(52,706)	(27,546)	(256,863)
Net increase (decrease)	26,527	\$249,172	(1,662)	\$(26,782)
Class R2 shares				
Sold	36,068	\$335,841	95,607	\$882,514
Distributions reinvested	15,593	149,852	112,139	935,236
Repurchased	(19,394)	(181,605)	(137,477)	(1,278,488)
Net increase	32,267	\$304,088	70,269	\$539,262
Class R4 shares				
Sold	8,564	\$80,042	9,002	\$86,046
Distributions reinvested	1,733	16,588	9,098	75,603
Repurchased	(3,640)	(33,465)	(1,060)	(9,894)
Net increase	6,657	\$63,165	17,040	\$151,755
Class R5 shares				
Sold	96,410	\$905,706	190,255	\$1,763,388
Distributions reinvested	21,378	206,516	108,587	911,042
Repurchased	(78,883)	(714,603)	(78,049)	(751,669)
Net increase	38,905	\$397,619	220,793	\$1,922,761
Class R6 shares				
Sold	853,631	\$7,914,929	2,810,567	\$26,655,614
Distributions reinvested	207,823	1,999,260	1,482,417	12,393,003
Repurchased	(2,497,904)	(21,735,891)	(2,164,653)	(20,141,054)
Net increase (decrease)	(1,436,450)	\$(11,821,702)	2,128,331	\$18,907,563
Class 1 shares				
Sold	2,105,222	\$19,667,414	5,051,615	\$47,042,641
Distributions reinvested	2,144,414	20,672,149	13,730,048	114,920,501
Repurchased	(5,298,840)	(49,680,712)	(8,675,291)	(79,444,984)
Net increase (decrease)	(1,049,204)	\$(9,341,149)	10,106,372	\$82,518,158
Total net increase (decrease)	(2,681,060)	\$(22,765,271)	14,912,320	\$122,920,339
Multimanager 2035 Lifetime Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	445,252	\$4,059,520	1,064,044	\$9,666,415
Distributions reinvested	507,968	4,764,740	3,616,088	29,724,240
Repurchased	(1,345,934)	(12,307,102)	(2,122,598)	(19,309,232)
Net increase (decrease)	(392,714)	\$(3,482,842)	2,557,534	\$20,081,423

Multimanager 2035 Lifetime Portfolio , Cont'd	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class I shares				
Sold	148,067	\$1,343,985	28,309	\$261,403
Distributions reinvested	713	6,715	1,756	14,504
Repurchased	(96,343)	(849,775)	(31,200)	(285,779)
Net increase (decrease)	52,437	\$500,925	(1,135)	\$(9,872)
Class R2 shares				
Sold	55,290	\$509,722	186,043	\$1,688,490
Distributions reinvested	23,542	222,474	164,455	1,361,686
Repurchased	(130,937)	(1,197,138)	(144,188)	(1,308,975)
Net increase (decrease)	(52,105)	\$(464,942)	206,310	\$1,741,201
Class R4 shares				
Sold	783	\$7,156	2,259	\$20,868
Distributions reinvested	620	5,861	3,481	28,822
Repurchased	(23)	(211)	(39)	(352)
Net increase	1,380	\$12,806	5,701	\$49,338
Class R5 shares				
Sold	71,913	\$664,875	294,247	\$2,641,001
Distributions reinvested	25,352	240,087	158,344	1,312,676
Repurchased	(253,335)	(2,237,092)	(112,062)	(1,040,938)
Net increase (decrease)	(156,070)	\$(1,332,130)	340,529	\$2,912,739
Class R6 shares				
Sold	917,682	\$8,336,957	2,625,041	\$24,325,287
Distributions reinvested	239,847	2,266,550	1,608,885	13,321,565
Repurchased	(2,245,054)	(19,261,375)	(1,748,784)	(16,167,766)
Net increase (decrease)	(1,087,525)	\$(8,657,868)	2,485,142	\$21,479,086
Class 1 shares				
Sold	2,286,354	\$21,139,747	5,705,039	\$52,370,880
Distributions reinvested	2,315,789	21,930,521	14,898,115	123,505,373
Repurchased	(5,360,059)	(49,112,574)	(10,856,794)	(98,538,599)
Net increase (decrease)	(757,916)	\$(6,042,306)	9,746,360	\$77,337,654
Total net increase (decrease)	(2,392,513)	\$(19,466,357)	15,340,441	\$123,591,569
Multimanager 2030 Lifetime Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	527,579	\$4,667,985	1,296,310	\$11,474,607
Distributions reinvested	678,534	6,228,938	3,863,858	31,606,357
Repurchased	(1,723,869)	(15,356,713)	(2,565,045)	(22,912,067)
Net increase (decrease)	(517,756)	\$(4,459,790)	2,595,123	\$20,168,897
Class I shares				
Sold	50,271	\$449,660	29,005	\$278,700
Distributions reinvested	4,809	43,957	28,959	235,726
Repurchased	(39,452)	(354,513)	(81,760)	(714,641)
Net increase (decrease)	15,628	\$139,104	(23,796)	\$(200,215)

Multimanager 2030 Lifetime Portfolio , Cont'd

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R2 shares				
Sold	53,764	\$472,870	133,460	\$1,176,125
Distributions reinvested	29,135	264,838	159,724	1,293,761
Repurchased	(58,658)	(519,616)	(139,952)	(1,255,975)
Net increase	24,241	\$218,092	153,232	\$1,213,911
Class R4 shares				
Sold	12,156	\$107,713	13,642	\$125,120
Distributions reinvested	3,300	30,063	15,183	123,134
Repurchased	(1,971)	(17,763)	(3,790)	(33,474)
Net increase	13,485	\$120,013	25,035	\$214,780
Class R5 shares				
Sold	84,738	\$759,835	329,919	\$2,845,254
Distributions reinvested	33,929	309,429	157,327	1,277,495
Repurchased	(254,089)	(2,200,879)	(161,551)	(1,403,657)
Net increase (decrease)	(135,422)	\$(1,131,615)	325,695	\$2,719,092
Class R6 shares				
Sold	1,353,595	\$11,861,961	3,301,739	\$29,579,198
Distributions reinvested	289,118	2,636,756	1,645,952	13,365,131
Repurchased	(2,936,235)	(24,739,882)	(2,551,825)	(22,644,317)
Net increase (decrease)	(1,293,522)	\$(10,241,165)	2,395,866	\$20,300,012
Class 1 shares				
Sold	1,765,113	\$15,640,824	4,852,520	\$43,484,714
Distributions reinvested	2,828,367	25,822,991	15,557,495	126,482,435
Repurchased	(6,935,588)	(61,719,929)	(14,311,606)	(126,054,202)
Net increase (decrease)	(2,342,108)	\$(20,256,114)	6,098,409	\$43,912,947
Total net increase (decrease)	(4,235,454)	\$(35,611,475)	11,569,564	\$88,329,424

Multimanager 2025 Lifetime Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	459,221	\$3,848,094	1,155,327	\$9,796,313
Distributions reinvested	736,861	6,425,425	3,374,611	26,794,414
Repurchased	(1,997,787)	(17,003,282)	(3,669,581)	(31,562,043)
Net increase (decrease)	(801,705)	\$(6,729,763)	860,357	\$5,028,684
Class I shares				
Sold	79,961	\$680,727	44,083	\$415,527
Distributions reinvested	8,931	77,435	33,013	260,472
Repurchased	(2,190)	(18,369)	(84,232)	(704,153)
Net increase (decrease)	86,702	\$739,793	(7,136)	\$(28,154)
Class R2 shares				
Sold	33,657	\$283,130	125,963	\$1,076,622
Distributions reinvested	27,445	237,128	137,977	1,085,877
Repurchased	(193,520)	(1,640,457)	(287,271)	(2,482,786)
Net decrease	(132,418)	\$(1,120,199)	(23,331)	\$(320,287)

Multimanager 2025 Lifetime Portfolio , Cont'd	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R4 shares				
Sold	2,346	\$19,852	4,604	\$39,631
Distributions reinvested	2,001	17,372	11,989	94,710
Repurchased	(27,120)	(229,446)	(6,198)	(51,230)
Net increase (decrease)	(22,773)	\$(192,222)	10,395	\$83,111
Class R5 shares				
Sold	61,737	\$524,540	433,975	\$3,569,649
Distributions reinvested	32,710	282,941	123,777	975,359
Repurchased	(326,396)	(2,689,136)	(245,498)	(2,081,235)
Net increase (decrease)	(231,949)	\$(1,881,655)	312,254	\$2,463,773
Class R6 shares				
Sold	607,095	\$5,092,641	2,397,679	\$20,651,077
Distributions reinvested	245,114	2,117,786	1,090,990	8,586,095
Repurchased	(1,974,904)	(16,031,363)	(2,037,295)	(17,385,379)
Net increase (decrease)	(1,122,695)	\$(8,820,936)	1,451,374	\$11,851,793
Class 1 shares				
Sold	1,205,270	\$10,152,885	2,156,484	\$18,357,180
Distributions reinvested	2,675,447	23,169,372	12,392,870	97,655,814
Repurchased	(7,923,349)	(67,360,399)	(17,643,520)	(150,502,509)
Net decrease	(4,042,632)	\$(34,038,142)	(3,094,166)	\$(34,489,515)
Total net decrease	(6,267,470)	\$(52,043,124)	(490,253)	\$(15,410,595)
Multimanager 2020 Lifetime Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	186,420	\$1,470,816	446,555	\$3,502,534
Distributions reinvested	640,897	5,088,723	2,818,334	20,630,205
Repurchased	(2,030,748)	(15,824,860)	(3,215,436)	(25,243,731)
Net increase (decrease)	(1,203,431)	\$(9,265,321)	49,453	\$(1,110,992)
Class I shares				
Sold	105,789	\$828,502	180,836	\$1,413,732
Distributions reinvested	1,717	13,646	3,836	28,077
Repurchased	(151,734)	(1,179,406)	(107,059)	(830,063)
Net increase (decrease)	(44,228)	\$(337,258)	77,613	\$611,746
Class R2 shares				
Sold	23,260	\$178,617	65,436	\$510,098
Distributions reinvested	17,349	136,887	90,402	657,220
Repurchased	(33,747)	(264,719)	(249,133)	(1,927,382)
Net increase (decrease)	6,862	\$50,785	(93,295)	\$(760,064)
Class R4 shares				
Sold	8,190	\$63,728	10,014	\$79,921
Distributions reinvested	1,733	13,658	5,145	37,351
Repurchased	(19)	(148)	(2,098)	(16,917)
Net increase	9,904	\$77,238	13,061	\$100,355

Multimanager 2020 Lifetime Portfolio , Cont'd

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R5 shares				
Sold	94,502	\$722,000	91,505	\$703,765
Distributions reinvested	36,024	285,313	128,929	939,893
Repurchased	(185,504)	(1,440,098)	(103,591)	(796,412)
Net increase (decrease)	(54,978)	\$(432,785)	116,843	\$847,246
Class R6 shares				
Sold	441,223	\$3,379,881	1,581,080	\$12,482,891
Distributions reinvested	120,942	954,232	560,358	4,073,800
Repurchased	(1,381,613)	(10,464,768)	(1,621,624)	(12,615,289)
Net increase (decrease)	(819,448)	\$(6,130,655)	519,814	\$3,941,402
Class 1 shares				
Sold	656,218	\$5,096,121	1,327,591	\$10,338,378
Distributions reinvested	1,211,646	9,584,119	5,512,185	40,183,832
Repurchased	(5,491,921)	(42,741,738)	(9,354,912)	(72,697,681)
Net decrease	(3,624,057)	\$(28,061,498)	(2,515,136)	\$(22,175,471)
Total net decrease	(5,729,376)	\$(44,099,494)	(1,831,647)	\$(18,545,778)
Multimanager 2015 Lifetime Portfolio				
	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	96,741	\$694,646	60,837	\$436,624
Distributions reinvested	353,676	2,595,980	1,358,234	9,263,154
Repurchased	(705,167)	(5,049,353)	(1,561,445)	(11,445,865)
Net decrease	(254,750)	\$(1,758,727)	(142,374)	\$(1,746,087)
Class I shares				
Sold	5,797	\$42,110	—	—
Distributions reinvested	789	5,784	12,966	\$88,168
Repurchased	(79,048)	(551,346)	(94,205)	(715,750)
Net decrease	(72,462)	\$(503,452)	(81,239)	\$(627,582)
Class R2 shares				
Sold	2,873	\$20,528	7,918	\$56,966
Distributions reinvested	2,356	17,175	9,405	63,668
Repurchased	(15,056)	(109,688)	(28,529)	(204,620)
Net decrease	(9,827)	\$(71,985)	(11,206)	\$(83,986)
Class R4 shares				
Sold	—	—	1,355	\$10,000
Net increase	—	—	1,355	\$10,000
Class R5 shares				
Sold	15,132	\$109,457	8,239	\$58,502
Distributions reinvested	2,388	17,482	9,057	61,495
Repurchased	(19,389)	(139,592)	(15,768)	(112,840)
Net increase (decrease)	(1,869)	\$(12,653)	1,528	\$7,157
Class R6 shares				
Sold	54,126	\$390,631	244,998	\$1,788,251
Distributions reinvested	51,398	376,746	170,613	1,160,167
Repurchased	(96,762)	(690,815)	(268,290)	(1,938,732)
Net increase	8,762	\$76,562	147,321	\$1,009,686

Multimanager 2015 Lifetime Portfolio , Cont'd	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class 1 shares				
Sold	446,825	\$3,189,463	556,385	\$4,092,353
Distributions reinvested	431,502	3,158,596	1,639,943	11,151,614
Repurchased	(1,345,574)	(9,733,101)	(3,051,229)	(22,296,484)
Net decrease	(467,247)	\$(3,385,042)	(854,901)	\$(7,052,517)
Total net decrease	(797,393)	\$(5,655,297)	(939,516)	\$(8,483,329)
Multimanager 2010 Lifetime Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	28,919	\$213,647	141,704	\$1,046,915
Distributions reinvested	193,688	1,437,163	542,371	3,780,357
Repurchased	(412,942)	(3,027,735)	(737,674)	(5,454,255)
Net decrease	(190,335)	\$(1,376,925)	(53,599)	\$(626,983)
Class I shares				
Sold	16,791	\$120,894	8,027	\$59,125
Distributions reinvested	289	2,142	4,795	33,325
Repurchased	(49,983)	(358,806)	(41,033)	(300,537)
Net decrease	(32,903)	\$(235,770)	(28,211)	\$(208,087)
Class R2 shares				
Sold	505	\$3,673	6,540	\$47,920
Distributions reinvested	659	4,889	7,454	51,882
Repurchased	(297)	(2,170)	(67,248)	(491,128)
Net increase (decrease)	867	\$6,392	(53,254)	\$(391,326)
Class R4 shares				
Sold	367	\$2,708	545	\$4,082
Distributions reinvested	329	2,436	756	5,258
Repurchased	—	—	(63)	(458)
Net increase	696	\$5,144	1,238	\$8,882
Class R5 shares				
Sold	65,858	\$475,023	7,622	\$55,912
Distributions reinvested	5,530	40,981	22,252	154,650
Repurchased	(162,958)	(1,165,182)	(49,048)	(358,288)
Net decrease	(91,570)	\$(649,178)	(19,174)	\$(147,726)
Class R6 shares				
Sold	55,982	\$409,689	331,171	\$2,427,575
Distributions reinvested	55,569	412,322	133,216	927,181
Repurchased	(143,596)	(1,045,460)	(354,035)	(2,603,022)
Net increase (decrease)	(32,045)	\$(223,449)	110,352	\$751,734
Class 1 shares				
Sold	599,246	\$4,408,250	1,979,153	\$14,579,582
Distributions reinvested	406,295	3,014,709	1,176,581	8,189,002
Repurchased	(1,582,668)	(11,550,698)	(3,794,967)	(27,848,462)
Net decrease	(577,127)	\$(4,127,739)	(639,233)	\$(5,079,878)
Total net decrease	(922,417)	\$(6,601,525)	(681,881)	\$(5,693,384)

Affiliates of the Trust owned shares of the following classes of the portfolios on February 29, 2024. Such concentration of shareholders' capital could have a material effect on the portfolios if such shareholders redeem from the portfolios.

Portfolio	Class	% by Class
Multimanager 2065 Lifetime Portfolio	Class I	39%
Multimanager 2065 Lifetime Portfolio	Class R2	97%
Multimanager 2065 Lifetime Portfolio	Class R4	99%
Multimanager 2065 Lifetime Portfolio	Class R5	20%
Multimanager 2065 Lifetime Portfolio	Class R6	10%
Multimanager 2065 Lifetime Portfolio	Class 1	100%
Multimanager 2060 Lifetime Portfolio	Class I	30%
Multimanager 2060 Lifetime Portfolio	Class R4	74%
Multimanager 2060 Lifetime Portfolio	Class 1	100%
Multimanager 2055 Lifetime Portfolio	Class I	7%
Multimanager 2055 Lifetime Portfolio	Class R4	94%
Multimanager 2055 Lifetime Portfolio	Class 1	100%
Multimanager 2050 Lifetime Portfolio	Class I	5%
Multimanager 2050 Lifetime Portfolio	Class R6	1%
Multimanager 2050 Lifetime Portfolio	Class 1	100%
Multimanager 2045 Lifetime Portfolio	Class R6	1%
Multimanager 2045 Lifetime Portfolio	Class 1	100%
Multimanager 2040 Lifetime Portfolio	Class R6	1%
Multimanager 2040 Lifetime Portfolio	Class 1	100%
Multimanager 2035 Lifetime Portfolio	Class 1	100%
Multimanager 2030 Lifetime Portfolio	Class 1	100%
Multimanager 2025 Lifetime Portfolio	Class 1	100%
Multimanager 2020 Lifetime Portfolio	Class 1	100%
Multimanager 2015 Lifetime Portfolio	Class R4	100%
Multimanager 2015 Lifetime Portfolio	Class 1	100%
Multimanager 2010 Lifetime Portfolio	Class R6	1%
Multimanager 2010 Lifetime Portfolio	Class 1	100%

Note 6 — Purchase and sale of securities

Purchases and sales of securities, other than short-term investments, amounted to the following for the six months ended February 29, 2024:

Portfolio	Purchases		Sales	
	U.S. Government	Other issuers	U.S. Government	Other issuers
Multimanager 2065 Lifetime Portfolio	\$573,295	\$20,302,307	\$226,644	\$5,225,510
Multimanager 2060 Lifetime Portfolio	1,661,369	36,142,280	1,040,339	14,818,933
Multimanager 2055 Lifetime Portfolio	2,219,719	41,047,370	1,577,975	23,978,573
Multimanager 2050 Lifetime Portfolio	3,124,424	52,721,282	2,454,333	42,706,823
Multimanager 2045 Lifetime Portfolio	5,153,373	73,956,936	4,763,620	75,677,285
Multimanager 2040 Lifetime Portfolio	5,919,685	74,525,971	8,842,388	91,554,141
Multimanager 2035 Lifetime Portfolio	9,017,091	85,577,661	13,035,192	96,938,549
Multimanager 2030 Lifetime Portfolio	17,918,899	89,574,515	19,756,749	123,867,498
Multimanager 2025 Lifetime Portfolio	15,045,292	65,569,042	19,018,472	120,712,265
Multimanager 2020 Lifetime Portfolio	8,597,451	31,456,086	11,305,491	76,324,928
Multimanager 2015 Lifetime Portfolio	3,770,183	11,568,929	4,212,589	18,466,733
Multimanager 2010 Lifetime Portfolio	2,890,891	10,576,056	3,268,656	18,513,173

Note 7 — Investment in affiliated underlying funds

The portfolios invest primarily in affiliated underlying funds that are managed by the Advisor and its affiliates. The portfolios do not invest in the affiliated underlying funds for the purpose of exercising management or control; however, the portfolios' investment may represent a significant portion of each affiliated underlying funds' net assets. At February 29, 2024, the following portfolios held 5% or more of the net assets of the affiliated underlying funds shown below:

Portfolio	Affiliated Class NAV	Percentage of underlying fund net assets
Multimanager 2030 Lifetime Portfolio	JHF Diversified Real Assets Fund	6.5%
	JHF II Core Bond Fund	5.2%
Multimanager 2025 Lifetime Portfolio	JHF Diversified Real Assets Fund	6.3%
	JHF II Core Bond Fund	5.1%

Information regarding the portfolios' fiscal year to date purchases and sales of the affiliated underlying funds as well as income and capital gains earned by the portfolios, if any, is as follows:

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Multimanager 2065 Lifetime Portfolio									
Blue Chip Growth	83,043	\$3,199,965	\$1,183,948	\$(571,589)	\$(150,339)	\$777,476	—	\$123,346	\$4,439,461
Bond	—	383,111	18,081	(397,262)	(6,906)	2,976	\$676	—	—
Capital Appreciation	197,951	2,220,546	839,122	(417,839)	(24,623)	478,749	—	147,854	3,095,955
Capital Appreciation Value	215,589	1,487,526	572,943	(94,361)	(14,703)	88,068	40,163	29,546	2,039,473
Disciplined Value	151,972	2,606,631	1,004,095	(186,829)	(26,123)	165,969	35,131	177,604	3,563,743
Disciplined Value International	241,641	2,562,607	1,165,415	(182,971)	(2,764)	(28,825)	61,419	148,839	3,513,462
Emerging Markets Debt	55,053	324,844	172,314	(97,031)	(590)	16,116	11,547	—	415,653
Emerging Markets Equity	511,513	4,000,094	521,464	—	—	97,402	71,464	—	4,618,960
Equity Income	255,255	3,528,781	1,531,090	(295,704)	(59,726)	216,885	45,812	239,047	4,921,326
Financial Industries	44,472	516,572	174,557	(53,180)	(14,804)	87,970	13,105	774	711,115
Fundamental Large Cap Core	44,242	2,219,883	815,882	(131,823)	(27,570)	196,678	14,696	150,139	3,073,050
Health Sciences	185,263	675,623	274,399	(62,194)	(4,913)	43,398	—	55,354	926,313
High Yield	141,581	309,709	274,660	(165,637)	2,906	4,520	10,929	—	426,158
International Dynamic Growth	119,796	1,037,149	249,648	(83,092)	(24,112)	242,390	4,123	—	1,421,983
International Growth	61,322	1,147,627	416,567	(77,657)	(26,761)	113,756	37,397	—	1,573,532
International Small Company	132,887	1,001,220	404,242	(63,789)	(18,917)	49,966	33,766	—	1,372,722
International Strategic Equity Allocation	1,051,544	7,496,446	2,805,683	(548,415)	(51,474)	445,156	284,748	—	10,147,396
John Hancock Collateral Trust	15,605	112,190	164,641	(123,004)	2,187	42	3,482	—	156,056
Mid Cap Growth	235,541	2,743,755	731,737	(204,467)	(57,788)	545,993	—	—	3,759,230
Mid Value	282,599	3,446,493	1,420,513	(268,575)	(51,457)	197,870	49,390	332,260	4,744,844
Science & Technology	358,091	518,889	168,818	(90,436)	20,008	106,064	—	—	723,343
Short Duration Bond	109,533	709,566	747,497	(445,702)	3,166	846	16,339	—	1,015,373
Small Cap Dynamic Growth	47,132	535,829	149,339	(35,292)	(14,457)	108,329	—	—	743,748
Small Cap Value	50,393	622,301	320,732	(63,404)	(19,068)	(6,401)	5,881	70,716	854,160

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
U.S. Sector Rotation	1,216,865	\$8,992,666	\$3,179,723	\$(424,091)	\$(13,374)	\$1,382,886	\$146,695	—	\$13,117,810
					\$(582,202)	\$5,334,279	\$886,763	\$1,475,479	\$71,374,866
Multimanager 2060 Lifetime Portfolio									
Blue Chip Growth	303,963	\$12,863,067	\$1,550,186	\$(546,195)	\$(43,633)	\$2,426,459	—	\$463,139	\$16,249,884
Bond	—	1,555,591	55,307	(1,587,534)	(50,204)	26,840	\$2,975	—	—
Capital Appreciation	726,031	8,948,313	1,211,747	(527,571)	(72,709)	1,795,339	—	557,036	11,355,119
Capital Appreciation Value	770,201	6,294,595	981,243	(252,521)	(69,122)	331,910	153,484	112,911	7,286,105
Disciplined Value	542,927	11,329,507	1,538,748	(627,910)	(66,467)	557,749	134,111	677,997	12,731,627
Disciplined Value International	863,273	10,736,314	2,358,893	(392,203)	(3,470)	(147,537)	234,339	567,886	12,551,997
Emerging Markets Debt	205,523	1,318,258	571,207	(389,896)	(5,683)	57,813	43,280	—	1,551,699
Emerging Markets Equity	1,931,085	16,822,239	287,497	—	—	327,960	287,497	—	17,437,696
Equity Income	913,521	15,475,915	2,605,248	(1,014,908)	(207,913)	754,334	182,016	912,069	17,612,676
Financial Industries	159,176	2,166,428	274,804	(168,481)	(41,013)	313,490	50,578	2,986	2,545,228
Fundamental Large Cap Core	158,366	9,348,398	1,418,254	(392,015)	(84,566)	710,013	56,490	577,131	11,000,084
Health Sciences	661,859	2,830,594	562,166	(215,349)	(35,423)	167,305	—	211,908	3,309,293
High Yield	485,836	1,252,270	820,100	(635,348)	6,072	19,273	40,395	—	1,462,367
International Dynamic Growth	447,878	4,345,246	379,245	(228,298)	(75,471)	895,594	15,795	—	5,316,316
International Growth	219,077	4,808,103	622,891	(120,724)	(51,503)	362,743	142,685	—	5,621,510
International Small Company	474,744	4,203,325	750,726	(151,964)	(32,648)	134,670	128,694	—	4,904,109
International Strategic Equity Allocation	3,756,685	31,407,154	4,631,126	(1,159,695)	(112,248)	1,485,677	1,086,436	—	36,252,014
John Hancock Collateral Trust	54,886	534,537	179,958	(165,821)	29	181	15,138	—	548,884
Mid Cap Growth	861,085	11,570,053	1,126,740	(738,376)	(448,749)	2,233,252	—	—	13,742,920
Mid Value	1,011,482	14,513,915	2,960,566	(960,924)	(181,526)	650,752	190,682	1,282,780	16,982,783
Science & Technology	1,295,464	2,196,027	234,379	(280,348)	6,749	460,030	—	—	2,616,837
Short Duration Bond	375,706	2,863,480	2,405,120	(1,796,403)	12,208	(1,611)	59,513	—	3,482,794
Small Cap Dynamic Growth	177,774	2,257,202	307,105	(101,196)	(47,318)	389,473	—	—	2,805,266

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Small Cap Value	180,375	\$2,614,019	\$842,081	\$(293,090)	\$(89,330)	\$(16,328)	\$22,539	\$271,030	\$3,057,352
U.S. Sector Rotation	4,390,172	37,870,026	5,648,927	(1,341,099)	(38,010)	5,186,211	561,583	—	47,326,055
					\$(1,731,948)	\$19,121,592	\$3,408,230	\$5,636,873	\$257,750,615
Multimanager 2055 Lifetime Portfolio									
Blue Chip Growth	440,059	\$19,204,466	\$1,639,254	\$(758,236)	\$(53,963)	\$3,494,029	—	\$673,278	\$23,525,550
Bond	—	2,315,156	65,935	(2,359,969)	(64,093)	42,971	\$3,496	—	—
Capital Appreciation	1,046,217	13,330,639	1,353,622	(806,600)	(112,446)	2,597,620	—	810,707	16,362,835
Capital Appreciation Value	1,101,453	9,453,117	1,103,554	(507,536)	(134,796)	505,409	223,481	164,405	10,419,748
Disciplined Value	776,431	17,191,974	1,877,480	(1,546,636)	(115,001)	799,491	195,272	987,201	18,207,308
Disciplined Value International	1,234,554	16,019,941	2,892,910	(719,679)	3,313	(246,064)	340,890	826,098	17,950,421
Emerging Markets Debt	296,311	1,959,339	895,650	(690,020)	(12,443)	84,625	62,171	—	2,237,151
Emerging Markets Equity	2,844,895	25,150,198	424,784	(348,519)	(271,283)	734,223	424,785	—	25,689,403
Equity Income	1,304,111	23,406,956	3,176,940	(2,184,213)	(403,416)	1,146,987	267,934	1,325,231	25,143,254
Financial Industries	227,216	3,242,340	217,532	(219,046)	(39,549)	431,912	73,548	4,342	3,633,189
Fundamental Large Cap Core	225,838	13,966,436	1,304,343	(479,811)	(95,772)	991,505	82,412	841,960	15,686,701
Health Sciences	946,514	4,228,841	601,985	(285,541)	(44,228)	231,513	—	308,596	4,732,570
High Yield	686,435	1,861,372	999,495	(829,146)	6,657	27,793	57,762	—	2,066,171
International Dynamic Growth	641,169	6,473,975	366,577	(412,081)	(102,809)	1,285,015	22,999	—	7,610,677
International Growth	313,298	7,160,954	633,847	(198,523)	(78,524)	521,483	207,176	—	8,039,237
International Small Company	678,925	6,282,502	865,896	(273,179)	(49,543)	187,616	187,581	—	7,013,292
International Strategic Equity Allocation	5,372,379	46,782,751	4,854,361	(1,730,313)	(165,364)	2,102,025	1,581,043	—	51,843,460
John Hancock Collateral Trust	71,329	727,201	208,645	(222,806)	62	218	19,930	—	713,320
Mid Cap Growth	1,238,760	17,227,621	979,903	(986,042)	(577,213)	3,126,346	—	—	19,770,615
Mid Value	1,443,841	21,656,644	3,662,246	(1,719,401)	(337,967)	980,570	277,233	1,865,034	24,242,092
Science & Technology	1,851,524	3,278,499	197,045	(404,574)	(3,174)	672,283	—	—	3,740,079
Short Duration Bond	530,375	4,277,238	3,476,183	(2,851,669)	24,948	(10,125)	84,753	—	4,916,575

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Small Cap Dynamic Growth	247,336	\$3,371,811	\$265,837	\$(215,873)	\$(83,416)	\$564,598	—	—	\$3,902,957
Small Cap Value	257,525	3,911,663	952,117	(337,598)	(98,439)	(62,698)	\$32,808	\$394,518	4,365,045
U.S. Sector Rotation	6,373,462	56,762,526	6,365,184	(1,851,151)	(90,905)	7,520,263	817,696	—	68,705,917
					\$(2,899,364)	\$27,729,608	\$4,962,970	\$8,201,370	\$370,517,567
Multimanager 2050 Lifetime Portfolio									
Blue Chip Growth	656,288	\$29,744,573	\$2,007,629	\$(1,876,697)	\$15,053	\$5,194,596	—	\$1,027,710	\$35,085,154
Bond	—	3,515,218	99,837	(3,569,012)	(116,633)	70,590	\$6,107	—	—
Capital Appreciation	1,560,267	20,579,184	1,908,019	(1,850,245)	(263,517)	4,029,142	—	1,238,692	24,402,583
Capital Appreciation Value	1,633,930	14,590,200	1,309,352	(991,253)	(252,237)	800,913	340,562	250,536	15,456,975
Disciplined Value	1,163,582	26,393,247	2,661,222	(2,762,852)	(122,196)	1,116,585	297,496	1,503,990	27,286,006
Disciplined Value International	1,831,068	24,708,193	3,630,227	(1,320,329)	17,081	(411,439)	519,958	1,260,043	26,623,733
Emerging Markets Debt	445,619	2,943,634	1,275,308	(960,503)	(39,039)	145,023	94,140	—	3,364,423
Emerging Markets Equity	4,298,486	38,772,726	649,118	(1,295,681)	(944,979)	1,634,142	649,118	—	38,815,326
Equity Income	1,947,169	35,680,809	4,499,039	(3,695,914)	(462,897)	1,520,383	409,860	2,023,211	37,541,420
Financial Industries	339,371	4,966,783	229,200	(361,170)	(37,136)	628,861	111,787	6,599	5,426,538
Fundamental Large Cap Core	340,000	21,672,320	1,765,990	(1,165,534)	(222,019)	1,565,628	125,092	1,277,990	23,616,385
Health Sciences	1,420,139	6,568,934	765,236	(507,515)	(66,155)	340,197	—	470,483	7,100,697
High Yield	994,229	2,796,452	1,404,285	(1,261,443)	13,533	39,801	87,261	—	2,992,628
International Dynamic Growth	947,684	9,995,321	502,923	(1,031,960)	(219,749)	2,002,475	35,050	—	11,249,010
International Growth	468,552	10,969,518	728,874	(346,805)	(90,037)	761,498	316,595	—	12,023,048
International Small Company	1,008,025	9,643,555	985,974	(425,581)	(64,044)	272,992	285,951	—	10,412,896
International Strategic Equity Allocation	7,968,213	71,664,766	5,157,747	(2,873,529)	(230,101)	3,174,376	2,410,617	—	76,893,259
John Hancock Collateral Trust	86,625	973,642	246,337	(354,061)	94	274	25,276	—	866,286
Mid Cap Growth	1,848,373	26,536,001	1,402,584	(2,272,441)	(1,280,409)	5,114,296	—	—	29,500,031
Mid Value	2,156,560	33,162,528	4,559,367	(2,450,933)	(449,108)	1,386,784	421,160	2,833,279	36,208,638
Science & Technology	2,751,767	5,050,454	295,360	(797,938)	(21,656)	1,032,350	—	—	5,558,570

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Short Duration Bond	768,322	\$6,425,953	\$4,626,208	\$(3,949,220)	\$26,582	\$(7,180)	\$127,075	—	\$7,122,343
Small Cap Dynamic Growth	366,188	5,150,524	397,875	(487,236)	(164,130)	881,413	—	—	5,778,446
Small Cap Value	383,355	6,026,654	1,241,066	(518,611)	(135,584)	(115,659)	49,901	\$600,056	6,497,866
U.S. Sector Rotation	9,630,611	87,959,137	8,490,658	(3,867,788)	(142,435)	11,378,414	1,246,066	—	103,817,986
					\$(5,251,718)	\$42,556,455	\$7,559,072	\$12,492,589	\$553,640,247
Multimanager 2045 Lifetime Portfolio									
Blue Chip Growth	942,100	\$44,532,104	\$1,978,127	\$(3,698,265)	\$242,126	\$7,310,564	—	\$1,498,233	\$50,364,656
Bond	1,711,791	17,616,953	13,850,446	(8,459,754)	(595,422)	440,182	\$339,890	—	22,852,405
Capital Appreciation	2,239,543	30,648,014	2,633,487	(3,729,199)	(490,452)	5,964,600	—	1,799,310	35,026,450
Capital Appreciation Value	2,490,610	22,411,770	1,689,621	(1,377,043)	(221,203)	1,058,024	517,509	380,707	23,561,169
Disciplined Value	1,682,700	38,686,493	3,320,135	(4,015,905)	131,208	1,337,379	425,166	2,149,428	39,459,310
Disciplined Value International	2,709,733	38,233,440	3,987,772	(2,214,234)	(45,650)	(561,815)	778,845	1,887,421	39,399,513
Diversified Real Assets	880,508	8,225,408	2,390,517	(541,051)	(34,516)	(152,257)	219,334	—	9,888,101
Emerging Markets Debt	1,215,221	11,540,321	907,068	(3,667,423)	(550,545)	945,494	310,834	—	9,174,915
Emerging Markets Equity	5,854,913	54,150,969	892,568	(3,095,349)	(1,339,049)	2,260,729	892,568	—	52,869,868
Equity Income	2,757,843	53,192,844	4,666,089	(6,190,913)	(294,678)	1,797,878	595,181	2,888,209	53,171,220
Financial Industries	491,769	7,408,017	249,682	(656,372)	(27,311)	889,372	163,367	9,644	7,863,388
Fundamental Large Cap Core	486,373	31,973,097	2,156,205	(2,246,174)	327,188	1,573,167	179,356	1,832,375	33,783,483
Health Sciences	2,124,811	9,906,087	1,178,301	(871,198)	(37,914)	448,778	—	696,421	10,624,054
High Yield	2,251,091	6,762,363	1,321,797	(1,429,161)	(155,575)	276,360	205,711	—	6,775,784
International Dynamic Growth	1,422,566	15,310,880	616,946	(1,722,984)	(300,294)	2,981,315	52,573	—	16,885,863
International Growth	711,556	16,892,696	885,992	(529,224)	(42,380)	1,051,446	474,612	—	18,258,530
International Small Company	1,497,579	14,961,827	831,785	(622,921)	(21,959)	321,264	434,335	—	15,469,996
International Strategic Equity Allocation	11,818,793	108,374,220	6,047,040	(4,667,663)	(451,810)	4,749,566	3,559,112	—	114,051,353
John Hancock Collateral Trust	214,021	2,275,967	392,335	(528,858)	21	828	59,711	—	2,140,293
Mid Cap Growth	2,571,508	38,062,513	2,116,491	(4,455,524)	(2,124,098)	7,441,889	—	—	41,041,271

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Mid Value	3,015,339	\$47,963,224	\$5,536,150	\$(4,168,292)	\$156,430	\$1,140,030	\$585,588	\$3,939,437	\$50,627,542
Science & Technology	4,063,193	7,551,448	486,200	(1,311,053)	(157,807)	1,638,862	—	—	8,207,650
Short Duration Bond	1,094,803	9,652,306	3,292,970	(2,852,811)	13,586	42,770	220,765	—	10,148,821
Small Cap Dynamic Growth	496,216	7,262,102	474,825	(868,814)	(124,005)	1,086,174	—	—	7,830,282
Small Cap Value	510,863	8,438,691	1,469,802	(902,625)	53,806	(400,547)	67,416	810,669	8,659,127
U.S. Sector Rotation	13,865,701	131,800,722	8,618,817	(7,255,138)	(239,661)	16,547,516	1,815,989	—	149,472,256
					\$(6,329,964)	\$60,189,568	\$11,897,862	\$17,891,854	\$837,607,300
Multimanager 2040 Lifetime Portfolio									
Blue Chip Growth	859,629	\$41,606,656	\$1,814,536	\$(4,431,955)	\$430,251	\$6,536,264	—	\$1,376,264	\$45,955,752
Bond	3,009,225	34,215,819	11,307,837	(5,406,157)	(1,330,026)	1,385,674	\$773,895	—	40,173,147
Capital Appreciation	2,041,948	28,691,199	2,324,901	(4,146,226)	(346,521)	5,412,712	—	1,643,065	31,936,065
Capital Appreciation Value	2,309,184	21,443,872	1,202,004	(1,569,387)	(270,431)	1,038,824	486,734	358,068	21,844,882
Core Bond	2,496,492	22,032,479	9,359,430	(4,136,454)	(797,568)	678,983	484,137	—	27,136,870
Disciplined Value	1,528,495	36,009,758	3,265,777	(4,711,008)	147,681	1,130,993	389,623	1,969,743	35,843,201
Disciplined Value International	2,590,524	38,000,548	3,084,785	(2,808,021)	(29,211)	(581,875)	760,092	1,841,974	37,666,226
Diversified Real Assets	2,111,255	22,671,612	3,319,848	(1,841,514)	(48,656)	(391,899)	564,212	—	23,709,391
Emerging Markets Debt	2,344,695	18,664,152	1,147,516	(2,750,209)	(776,564)	1,417,553	538,814	—	17,702,448
Emerging Markets Equity	5,048,633	47,316,286	779,218	(3,305,928)	(1,253,715)	2,053,299	779,218	—	45,589,160
Equity Income	2,524,871	49,599,364	4,990,278	(7,220,488)	(177,653)	1,488,016	547,557	2,645,078	48,679,517
Financial Industries	500,178	7,633,489	287,493	(801,948)	(27,023)	905,839	167,378	9,880	7,997,850
Fundamental Global Franchise	224,420	3,108,390	206,642	(792,403)	44,633	29,275	15,401	157,308	2,596,537
Fundamental Large Cap Core	368,744	24,739,483	1,762,917	(2,336,606)	492,685	954,448	138,367	1,413,619	25,612,927
Global Equity	204,483	3,087,179	86,946	(810,398)	136,619	82,279	35,708	39,836	2,582,625
Health Sciences	2,180,647	10,463,849	1,009,086	(965,498)	(57,717)	453,515	—	726,850	10,903,235
High Yield	4,103,633	13,405,390	1,428,848	(2,717,346)	(408,358)	643,402	401,806	—	12,351,936
International Dynamic Growth	1,407,304	15,505,131	580,815	(2,027,166)	(412,673)	3,058,596	52,533	—	16,704,703
International Growth	684,375	16,602,046	662,984	(680,521)	(35,083)	1,011,630	464,268	—	17,561,056
International Small Company	1,532,738	15,868,237	646,540	(990,942)	(4,461)	313,810	455,151	—	15,833,184

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
International Strategic Equity Allocation	11,406,822	\$107,109,537	\$3,935,292	\$(5,160,696)	\$(450,140)	\$4,641,835	\$3,478,490	—	\$110,075,828
John Hancock Collateral Trust	188,280	2,107,588	364,189	(589,674)	62	713	53,975	—	1,882,878
Mid Cap Growth	2,247,729	33,965,367	1,811,456	(4,594,688)	(1,500,842)	6,192,469	—	—	35,873,762
Mid Value	2,633,828	43,103,977	4,506,402	(4,509,878)	263,191	858,272	517,371	\$3,480,519	44,221,964
Science & Technology	4,108,485	7,770,512	481,444	(1,458,136)	(158,473)	1,663,792	—	—	8,299,139
Short Duration Bond	1,031,382	11,152,200	2,142,794	(3,802,392)	25,096	43,218	242,003	—	9,560,916
Small Cap Dynamic Growth	402,489	5,978,300	345,624	(752,729)	(82,820)	862,908	—	—	6,351,283
Small Cap Value	409,943	7,058,368	975,335	(796,936)	52,432	(340,673)	55,198	663,754	6,948,526
Strategic Income Opportunities	382,557	4,547,017	501,234	(1,313,755)	(82,958)	131,946	63,661	—	3,783,484
U.S. Sector Rotation	13,504,329	131,401,432	8,359,341	(10,077,424)	(279,832)	16,173,152	1,789,692	—	145,576,669
					\$(6,938,075)	\$57,848,970	\$13,255,284	\$16,325,958	\$860,955,161
Multimanager 2035 Lifetime Portfolio									
Blue Chip Growth	828,948	\$41,556,348	\$1,685,993	\$(5,740,879)	\$785,364	\$6,028,758	—	\$1,348,323	\$44,315,584
Bond	5,775,515	68,509,406	14,208,550	(5,805,134)	(1,588,250)	1,778,556	\$1,550,410	—	77,103,128
Capital Appreciation	1,970,548	28,774,474	2,111,782	(4,999,459)	(97,467)	5,030,039	—	1,613,363	30,819,369
Capital Appreciation Value	3,941,187	34,264,616	3,404,979	(1,696,352)	(332,379)	1,642,768	808,362	594,675	37,283,632
Core Bond	5,616,443	52,512,132	13,629,146	(4,869,775)	(1,111,702)	890,938	1,207,856	—	61,050,739
Disciplined Value	1,507,114	35,208,314	2,621,723	(3,838,383)	206,768	1,143,412	384,968	1,946,206	35,341,834
Disciplined Value International	2,918,691	41,815,828	3,321,202	(2,061,848)	(11,223)	(626,186)	846,475	2,051,312	42,437,773
Diversified Real Assets	3,970,029	42,333,353	4,904,403	(1,829,593)	(42,342)	(782,401)	1,059,980	—	44,583,420
Emerging Markets Debt	4,291,272	30,913,616	2,704,836	(2,297,582)	(750,612)	1,828,845	928,722	—	32,399,103
Emerging Markets Equity	5,029,274	45,832,871	758,937	(1,964,326)	(789,546)	1,576,410	758,937	—	45,414,346
Equity Income	2,485,501	48,471,698	3,729,148	(5,683,842)	(69,462)	1,472,921	539,621	2,612,485	47,920,463
Financial Industries	555,400	8,404,512	273,447	(769,469)	(29,013)	1,001,376	183,809	10,850	8,880,853
Fundamental Global Franchise	421,013	5,114,927	326,493	(684,242)	74,188	39,758	29,112	297,357	4,871,124
Fundamental Large Cap Core	317,157	21,286,268	1,449,542	(2,005,407)	536,206	763,088	118,445	1,210,090	22,029,697
Global Equity	503,453	6,461,128	225,560	(825,464)	97,582	399,806	86,890	96,934	6,358,612

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Health Sciences	2,123,050	\$10,211,863	\$902,960	\$(898,481)	\$9,515	\$389,395	—	\$711,886	\$10,615,252
High Yield	7,243,928	24,330,023	1,398,734	(4,360,293)	(671,610)	1,107,370	\$727,296	—	21,804,224
International Dynamic Growth	1,522,878	17,050,816	377,767	(2,269,007)	(429,431)	3,346,413	57,712	—	18,076,558
International Growth	759,758	18,421,305	619,776	(636,926)	(20,023)	1,111,260	511,484	—	19,495,392
International Small Company	1,662,919	16,933,341	709,007	(805,325)	24,824	316,108	486,313	—	17,177,955
International Strategic Equity Allocation	11,843,549	111,102,411	3,763,569	(4,936,151)	(433,821)	4,794,238	3,606,266	—	114,290,246
John Hancock Collateral Trust	163,010	2,000,446	362,478	(733,476)	90	631	49,111	—	1,630,169
Mid Cap Growth	2,153,147	32,512,015	2,205,342	(4,927,244)	(1,078,143)	5,652,261	—	—	34,364,231
Mid Value	2,575,014	41,379,794	4,409,080	(3,682,495)	335,363	792,739	500,031	3,363,866	43,234,481
Science & Technology	4,483,755	8,466,671	594,687	(1,678,589)	(132,559)	1,806,976	—	—	9,057,186
Short Duration Bond	1,228,355	14,209,658	1,923,372	(4,830,540)	34,504	49,859	300,937	—	11,386,853
Small Cap Dynamic Growth	347,291	5,186,894	358,589	(746,609)	(44,382)	725,762	—	—	5,480,254
Small Cap Value	361,781	6,088,594	910,729	(618,222)	42,353	(291,265)	48,077	578,126	6,132,189
Strategic Income Opportunities	878,884	12,195,766	512,126	(4,202,105)	(195,885)	382,260	173,574	—	8,692,162
U.S. Sector Rotation	13,106,295	129,251,234	9,220,801	(13,018,162)	108,398	15,723,593	1,770,712	—	141,285,864
					\$ (5,572,695)	\$58,095,688	\$16,735,100	\$16,435,473	\$1,003,532,693
Multimanager 2030 Lifetime Portfolio									
Blue Chip Growth	644,027	\$33,059,201	\$1,515,535	\$(5,509,949)	\$982,471	\$4,382,442	—	\$1,067,987	\$34,429,700
Bond	6,658,683	83,381,529	9,882,530	(4,721,640)	(1,303,691)	1,654,690	\$1,864,301	—	88,893,418
Capital Appreciation	1,533,756	22,767,524	2,096,922	(4,791,249)	489,434	3,425,310	—	1,274,997	23,987,941
Capital Appreciation Value	4,734,498	41,657,482	3,982,757	(2,428,646)	(388,486)	1,965,240	988,562	727,240	44,788,347
Core Bond	8,587,387	85,320,264	13,478,968	(5,240,739)	(1,243,199)	1,029,598	1,958,291	—	93,344,892
Disciplined Value	1,180,057	28,559,367	1,989,100	(3,976,033)	382,782	717,110	309,968	1,567,044	27,672,326
Disciplined Value International	2,759,695	40,573,279	2,879,147	(2,742,984)	45,828	(629,303)	813,988	1,972,584	40,125,967
Diversified Real Assets	5,908,821	64,630,624	6,455,181	(3,547,539)	(11,970)	(1,170,239)	1,587,738	—	66,356,057
Emerging Markets Debt	5,662,963	40,634,549	3,402,343	(2,719,109)	(899,149)	2,336,733	1,224,380	—	42,755,367
Emerging Markets Equity	3,860,906	36,865,236	596,516	(3,252,313)	(854,108)	1,508,654	596,515	—	34,863,985

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value	
							Income distributions received	Capital gain distributions received		
Equity Income	1,969,034	\$39,373,638	\$3,038,494	\$(5,627,807)	\$168,914	\$1,009,738	\$434,848	\$2,098,733	\$37,962,977	
Financial Industries	528,300	8,058,923	387,347	(942,325)	(17,925)	961,503	175,958	10,387	8,447,523	
Floating Rate Income	1,187,643	8,138,620	2,005,423	(1,038,568)	(82,753)	98,379	402,017	—	9,121,101	
Fundamental Global Franchise	970,002	12,203,714	871,009	(2,135,504)	168,366	115,339	66,912	683,443	11,222,924	
Fundamental Large Cap Core	170,684	11,882,902	914,108	(1,660,380)	388,634	330,465	65,452	668,691	11,855,729	
Global Equity	1,267,860	16,798,108	472,425	(2,549,674)	93,411	1,198,798	223,306	249,119	16,013,068	
Health Sciences	2,262,721	11,276,405	1,073,104	(1,474,463)	80,302	358,259	—	774,775	11,313,607	
High Yield	9,477,399	33,040,456	1,497,000	(6,602,209)	(1,009,224)	1,600,947	975,280	—	28,526,970	
International Dynamic Growth	1,436,984	16,638,840	453,488	(2,828,331)	(576,352)	3,369,352	56,031	—	17,056,997	
International Growth	702,777	17,554,512	717,581	(1,279,858)	11,155	1,029,876	485,594	—	18,033,266	
International Small Company	1,681,150	17,562,670	808,467	(1,355,679)	75,729	275,090	499,235	—	17,366,277	
International Strategic Equity Allocation	11,084,435	106,776,029	3,572,489	(7,566,672)	(495,077)	4,678,030	3,431,877	—	106,964,799	
John Hancock Collateral Trust	218,460	2,584,433	430,215	(830,903)	60	878	64,544	—	2,184,683	
Mid Cap Growth	1,805,615	28,480,796	2,067,024	(5,619,925)	(868,063)	4,757,784	—	—	28,817,616	
Mid Value	2,180,678	36,249,350	4,183,216	(4,794,415)	433,566	541,872	430,256	2,894,473	36,613,589	
Science & Technology	4,189,205	8,195,913	567,626	(1,886,778)	(159,627)	1,745,061	—	—	8,462,195	
Short Duration Bond	4,011,302	38,701,188	4,908,948	(6,699,454)	(439,716)	713,799	903,896	—	37,184,765	
Small Cap Value	329,792	5,719,576	839,593	(743,413)	30,070	(255,846)	44,360	533,425	5,589,980	
Strategic Income Opportunities	3,386,117	37,472,783	1,496,388	(6,067,286)	(461,933)	1,048,741	602,115	—	33,488,693	
U.S. Sector Rotation	11,464,012	116,213,565	10,847,903	(17,788,315)	375,315	13,933,578	1,596,142	—	123,582,046	
						\$ (5,085,236)	\$52,731,878	\$19,801,566	\$14,522,898	\$1,067,026,805
Multimanager 2025 Lifetime Portfolio										
Blue Chip Growth	263,674	\$15,352,559	\$1,095,290	\$(4,709,851)	\$2,530,834	\$(172,820)	—	\$458,218	\$14,096,012	
Bond	7,025,852	93,134,954	8,671,080	(8,475,007)	(1,959,059)	2,423,157	\$2,030,642	—	93,795,125	
Capital Appreciation	626,924	10,682,834	1,039,592	(3,647,614)	825,273	905,002	—	547,025	9,805,087	
Capital Appreciation Value	4,442,967	41,900,906	2,921,060	(4,343,421)	(449,411)	2,001,337	953,240	701,255	42,030,471	
Core Bond	8,417,567	88,962,709	9,927,163	(7,236,543)	(1,591,595)	1,437,220	1,996,882	—	91,498,954	
Disciplined Value	482,256	12,153,588	1,249,409	(2,525,810)	263,689	168,022	127,822	646,205	11,308,898	

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Disciplined Value International	1,700,913	\$26,006,219	\$1,755,606	\$(2,680,395)	\$227,303	\$(577,463)	\$506,755	\$1,228,048	\$24,731,270
Diversified Real Assets	5,723,872	64,991,100	5,114,081	(4,649,704)	139,575	(1,315,975)	1,552,822	—	64,279,077
Emerging Markets Debt	5,472,535	39,086,449	4,028,894	(3,177,059)	(967,742)	2,347,099	1,177,517	—	41,317,641
Emerging Markets Equity	1,769,028	17,280,851	280,579	(1,892,678)	(181,827)	487,399	280,579	—	15,974,324
Equity Income	810,372	16,734,268	1,860,985	(3,422,808)	581,129	(129,594)	180,283	867,513	15,623,980
Financial Industries	336,873	5,469,315	194,126	(894,905)	1,708	616,348	115,943	6,844	5,386,592
Floating Rate Income	1,613,639	11,978,847	1,822,936	(1,428,650)	(46,485)	66,099	571,285	—	12,392,747
Fundamental Global Franchise	1,107,009	14,268,319	967,398	(2,724,685)	164,929	132,139	79,777	814,847	12,808,100
Fundamental Large Cap Core	97,646	7,372,626	498,251	(1,515,847)	135,300	292,137	38,762	396,013	6,782,467
Global Equity	1,088,769	15,217,572	422,887	(3,023,076)	386,740	747,024	199,890	222,996	13,751,147
Health Sciences	1,554,978	8,101,306	762,513	(1,386,751)	104,128	193,695	—	546,380	7,774,891
High Yield	9,128,293	32,763,641	1,300,917	(7,188,767)	(1,040,946)	1,641,317	959,431	—	27,476,162
International Dynamic Growth	928,875	11,485,190	264,143	(2,579,091)	(477,611)	2,333,114	37,724	—	11,025,745
International Growth	413,633	10,982,310	384,625	(1,379,781)	109,359	517,315	296,188	—	10,613,828
International Small Company	1,065,448	11,522,671	482,364	(1,223,237)	198,517	25,760	318,990	—	11,006,075
International Strategic Equity Allocation	6,734,020	68,689,920	2,389,028	(8,715,774)	(480,331)	3,100,447	2,165,661	—	64,983,290
John Hancock Collateral Trust	217,908	2,543,441	1,445,276	(1,810,416)	302	568	63,669	—	2,179,171
Mid Cap Growth	979,949	16,495,236	1,119,443	(4,136,213)	(51,125)	2,212,652	—	—	15,639,993
Mid Value	1,183,527	20,865,027	2,272,770	(3,780,893)	472,529	41,990	243,482	1,637,979	19,871,423
Science & Technology	2,670,266	5,535,004	372,074	(1,547,705)	(118,000)	1,152,564	—	—	5,393,937
Short Duration Bond	5,011,121	48,614,837	3,882,298	(6,400,823)	(594,605)	951,389	1,139,916	—	46,453,096
Small Cap Value	246,119	4,460,772	598,506	(715,831)	62,587	(234,310)	33,941	408,135	4,171,724
Strategic Income Opportunities	4,096,345	45,064,377	1,085,395	(6,368,505)	(443,697)	1,175,285	733,458	—	40,512,855
U.S. Sector Rotation	5,743,920	60,705,356	7,519,767	(13,782,875)	397,514	7,079,699	840,392	—	61,919,461
					\$(1,801,018)	\$29,618,616	\$16,645,051	\$8,481,458	\$804,603,543

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Multimanager 2020 Lifetime Portfolio									
Blue Chip Growth	56,936	\$3,281,171	\$192,150	\$(940,406)	\$425,707	\$85,184	—	\$98,863	\$3,043,806
Bond	4,162,055	58,987,169	3,105,814	(6,862,230)	(1,425,465)	1,758,152	\$1,252,785	—	55,563,440
Capital Appreciation	135,233	2,286,018	209,376	(754,653)	146,346	227,954	—	118,016	2,115,041
Capital Appreciation Value	2,104,840	21,062,297	1,030,291	(2,945,121)	(277,281)	1,041,602	469,641	345,493	19,911,788
Core Bond	5,242,836	59,566,089	4,014,409	(6,536,308)	(1,283,570)	1,229,003	1,305,999	—	56,989,623
Disciplined Value	104,196	2,656,112	366,271	(672,502)	20,733	72,788	27,823	140,660	2,443,402
Disciplined Value International	738,945	11,699,435	917,644	(1,712,927)	67,498	(227,385)	226,382	548,604	10,744,265
Diversified Real Assets	3,033,192	36,555,130	2,956,868	(4,803,825)	299,847	(945,276)	848,924	—	34,062,744
Emerging Markets Debt	3,053,656	22,889,265	2,137,601	(2,770,444)	(716,306)	1,514,990	681,112	—	23,055,106
Emerging Markets Equity	564,752	5,849,633	90,264	(940,799)	(34,099)	134,712	90,263	—	5,099,711
Equity Income	174,999	3,659,356	538,926	(919,107)	183,724	(88,916)	39,308	188,288	3,373,983
Financial Industries	170,418	2,924,371	128,002	(650,105)	5,403	317,312	60,651	3,580	2,724,983
Floating Rate Income	1,172,458	9,255,436	1,105,465	(1,370,867)	(5,880)	20,327	431,995	—	9,004,481
Fundamental Global Franchise	538,167	7,393,786	520,523	(1,852,038)	179,268	(14,952)	38,595	394,210	6,226,587
Fundamental Large Cap Core	58,533	4,392,893	393,402	(973,940)	43,591	209,729	23,451	239,583	4,065,675
Global Equity	516,337	7,719,853	211,507	(1,976,047)	336,536	229,490	95,237	106,246	6,521,339
Global Shareholder Yield	329,875	4,034,170	120,892	(665,901)	93,718	62,240	51,039	59,046	3,645,119
Health Sciences	732,576	4,006,886	399,909	(887,581)	74,896	68,768	—	267,109	3,662,878
High Yield	5,106,336	19,434,227	665,826	(5,085,605)	(696,771)	1,052,393	559,473	—	15,370,070
International Dynamic Growth	430,327	5,536,810	216,544	(1,520,533)	88,129	787,031	17,822	—	5,107,981
International Growth	175,952	4,921,717	188,353	(865,564)	(49,240)	319,671	129,470	—	4,514,937
International Small Company	433,889	4,873,952	221,399	(705,112)	142,245	(50,408)	132,984	—	4,482,076
International Strategic Equity Allocation	2,841,449	30,624,017	1,096,159	(5,423,841)	(296,321)	1,419,971	942,014	—	27,419,985
John Hancock Collateral Trust	114,118	1,430,971	1,145,800	(1,436,010)	156	306	34,613	—	1,141,223
Mid Cap Growth	349,871	6,173,348	630,648	(2,009,252)	326,277	462,924	—	—	5,583,945
Mid Value	423,273	7,856,811	873,624	(1,813,774)	339,557	(149,462)	88,948	598,383	7,106,756

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Science & Technology	1,349,002	\$2,924,371	\$319,139	\$(1,059,877)	\$(81,564)	\$622,914	—	—	\$2,724,983
Short Duration Bond	3,541,949	35,248,009	2,264,494	(4,943,126)	(437,959)	702,450	\$824,970	—	32,833,868
Small Cap Value	126,389	2,368,253	396,194	(535,414)	18,276	(105,018)	17,573	\$211,315	2,142,291
Strategic Income Opportunities	2,186,030	24,810,893	560,245	(4,155,119)	(213,274)	617,094	401,078	—	21,619,839
U.S. Sector Rotation	2,595,601	26,919,510	4,839,076	(7,185,891)	155,464	3,252,422	381,925	—	27,980,581
					\$(2,570,359)	\$14,628,010	\$9,174,075	\$3,319,396	\$410,282,506
Multimanager 2015 Lifetime Portfolio									
Blue Chip Growth	23,632	\$1,277,544	\$187,035	\$(420,867)	\$142,614	\$77,051	—	\$40,002	\$1,263,377
Bond	1,777,065	24,055,532	1,076,286	(1,554,909)	(335,629)	482,537	\$523,526	—	23,723,817
Capital Appreciation	56,128	889,328	160,106	(333,635)	56,857	105,179	—	47,749	877,835
Capital Appreciation Value	800,091	7,561,821	395,651	(681,670)	(46,576)	339,636	173,010	127,276	7,568,862
Core Bond	2,180,416	23,686,633	1,474,173	(1,447,640)	(300,291)	288,244	528,686	—	23,701,119
Disciplined Value	43,246	1,040,417	179,658	(244,904)	6,867	32,084	11,009	55,656	1,014,122
Disciplined Value International	252,211	3,889,538	286,381	(463,534)	35,916	(81,157)	74,997	181,745	3,667,144
Diversified Real Assets	1,153,642	13,151,344	1,181,857	(1,148,231)	77,339	(306,908)	314,167	—	12,955,401
Emerging Markets Debt	1,232,032	8,680,489	865,603	(566,555)	(150,471)	472,773	266,677	—	9,301,839
Emerging Markets Equity	97,808	876,467	14,562	(24,158)	(330)	16,665	14,562	—	883,206
Equity Income	72,633	1,433,661	269,287	(341,976)	65,009	(25,626)	15,456	74,336	1,400,355
Floating Rate Income	580,524	4,351,132	480,758	(380,095)	(1,926)	8,557	209,699	—	4,458,426
Fundamental Global Franchise	171,196	2,254,431	190,962	(521,120)	54,301	2,168	11,958	122,137	1,980,742
Fundamental Large Cap Core	19,231	1,379,101	139,719	(268,249)	22,683	62,499	7,507	76,698	1,335,753
Global Equity	200,415	2,830,795	80,745	(597,780)	101,535	115,950	35,942	40,096	2,531,245
Global Shareholder Yield	157,243	1,819,045	58,643	(214,651)	28,157	46,338	23,488	27,394	1,737,532
High Yield	2,060,208	7,405,322	231,994	(1,577,578)	(212,763)	354,251	219,547	—	6,201,226
International Dynamic Growth	134,258	1,630,856	74,103	(383,640)	24,059	248,267	5,420	—	1,593,645
International Growth	60,037	1,569,642	59,498	(180,877)	6,349	85,928	42,785	—	1,540,540
International Small Company	123,991	1,315,052	87,818	(149,537)	22,323	5,167	36,831	—	1,280,823

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
International Strategic Equity Allocation	931,475	\$9,434,723	\$396,137	\$(1,212,654)	\$(61,847)	\$432,377	\$299,855	—	\$8,988,736
John Hancock Collateral Trust	20,647	353,423	89,356	(236,411)	52	63	7,515	—	206,483
Mid Cap Growth	87,503	1,476,594	149,197	(428,119)	88,794	110,089	—	—	1,396,555
Mid Value	105,863	1,871,781	265,569	(413,676)	80,088	(26,328)	21,587	\$145,224	1,777,434
Short Duration Bond	1,700,848	15,734,061	925,606	(1,018,224)	(95,048)	220,465	383,888	—	15,766,860
Strategic Income Opportunities	874,546	9,350,233	169,915	(1,031,580)	(47,868)	208,560	156,008	—	8,649,260
U.S. Sector Rotation	847,631	8,189,876	1,836,371	(2,009,088)	53,812	1,066,489	122,064	—	9,137,460
					\$(385,994)	\$4,341,318	\$3,506,184	\$938,313	\$154,939,797
Multimanager 2010 Lifetime Portfolio									
Blue Chip Growth	13,941	\$959,653	\$196,810	\$(529,457)	\$36,617	\$81,678	—	\$24,184	\$745,301
Bond	1,360,230	19,002,554	1,147,778	(2,092,313)	(417,506)	518,560	\$405,884	—	18,159,073
Capital Appreciation Value	554,145	5,379,503	430,913	(764,945)	(59,501)	256,239	121,623	89,472	5,242,209
Core Bond	1,744,992	19,614,789	1,356,075	(1,977,755)	(406,876)	381,826	434,234	—	18,968,059
Disciplined Value									
International	161,508	2,446,508	276,504	(340,206)	20,786	(55,262)	48,214	116,839	2,348,330
Diversified Real Assets	833,488	9,768,837	1,134,962	(1,374,768)	36,388	(205,347)	227,790	—	9,360,072
Emerging Markets Debt	938,236	6,775,526	811,252	(741,129)	(188,197)	426,228	205,175	—	7,083,680
Equity Income	43,596	642,019	395,115	(231,683)	29,134	5,938	8,665	47,872	840,523
Floating Rate Income	516,526	4,046,133	479,356	(564,797)	(3,144)	9,370	190,063	—	3,966,918
Fundamental Global Franchise	127,690	1,724,395	184,801	(469,359)	37,466	71	9,165	93,616	1,477,374
Fundamental Large Cap Core	12,024	870,990	109,796	(196,425)	10,449	40,347	4,711	48,126	835,157
Global Equity	136,044	1,983,725	93,737	(505,230)	74,739	71,266	25,115	28,018	1,718,237
Global Shareholder Yield	139,385	1,658,228	68,357	(250,703)	27,145	37,173	21,271	24,576	1,540,200
High Yield	1,564,538	5,827,415	214,889	(1,439,777)	(201,196)	307,930	169,426	—	4,709,261
International Dynamic Growth	90,387	1,080,564	138,415	(325,411)	12,297	167,035	3,670	—	1,072,900
International Growth	37,859	978,163	101,309	(163,598)	2,856	52,737	27,115	—	971,467
International Small Company	59,587	651,256	54,560	(102,782)	10,956	1,544	17,874	—	615,534

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
International Strategic Equity Allocation	546,159	\$6,105,310	\$352,804	\$(1,411,008)	\$(74,333)	\$297,663	\$180,569	—	\$5,270,436
John Hancock Collateral Trust	29,132	367,286	96,849	(172,935)	6	122	8,823	—	291,328
Mid Cap Growth	30,215	541,584	82,295	(210,417)	10,500	58,262	—	—	482,224
Mid Value	36,563	689,289	100,390	(193,513)	29,335	(11,613)	7,620	\$51,263	613,888
Short Duration Bond	1,552,779	14,877,328	1,139,315	(1,737,637)	(155,898)	271,155	355,429	—	14,394,263
Strategic Income Opportunities	662,378	7,285,408	174,835	(1,028,315)	(49,345)	168,338	119,651	—	6,550,921
U.S. Sector Rotation	448,976	4,228,808	1,290,368	(1,259,396)	13,543	566,643	65,350	—	4,839,966
					\$(1,203,779)	\$3,447,903	\$2,657,437	\$523,966	\$112,097,321

More information

Trustees

Hassell H. McClellan, *Chairperson*^π
Steven R. Pruchansky, *Vice Chairperson*
Andrew G. Arnott[†]
James R. Boyle
William H. Cunningham^{*}
Noni L. Ellison
Grace K. Fey
Dean C. Garfield
Deborah C. Jackson
Paul Lorentz[†]
Frances G. Rathke^{*}
Gregory A. Russo

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Charles A. Rizzo
Chief Financial Officer
Salvatore Schiavone
Treasurer
Christopher (Kit) Sechler
Secretary and Chief Legal Officer
Trevor Swanberg
Chief Compliance Officer

^π Member of the Audit Committee as of September 26, 2023.

[†] Non-Independent Trustee

^{*} Member of the Audit Committee

[#] Effective June 29, 2023.

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All of the portfolios' holdings as of the end of the third month of every fiscal quarter are filed with the SEC on Form N-PORT within 60 days of the end of the fiscal quarter. The portfolios' Form N-PORT filings are available on our website and the SEC's website, sec.gov.

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Subadvisor

Manulife Investment Management (US) LLC

Portfolio Managers

Geoffrey Kelley, CFA
David Kobuszewski, CFA
Robert E. Sykes, CFA
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Blue Chip Growth
Classic Value
Disciplined Value
Disciplined Value Mid Cap
Equity Income
Financial Industries
Fundamental All Cap Core
Fundamental Large Cap Core
Mid Cap Growth
New Opportunities
Regional Bank
Small Cap Core
Small Cap Dynamic Growth
Small Cap Value
U.S. Global Leaders Growth
U.S. Growth

INTERNATIONAL EQUITY FUNDS

Disciplined Value International
Emerging Markets
Emerging Markets Equity
Fundamental Global Franchise
Global Environmental Opportunities
Global Equity
Global Shareholder Yield
Global Thematic Opportunities
International Dynamic Growth
International Growth
International Small Company

FIXED-INCOME FUNDS

Bond
California Municipal Bond
Emerging Markets Debt
Floating Rate Income
Government Income
High Yield
High Yield Municipal Bond
Income
Investment Grade Bond
Money Market
Municipal Opportunities
Opportunistic Fixed Income
Short Duration Bond
Short Duration Municipal Opportunities
Strategic Income Opportunities

ALTERNATIVE FUNDS

Alternative Asset Allocation
Diversified Macro
Infrastructure
Multi-Asset Absolute Return
Real Estate Securities
Seaport Long/Short

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Corporate Bond ETF
Disciplined Value International Select ETF
Dynamic Municipal Bond ETF
Fundamental All Cap Core ETF
International High Dividend ETF
Mortgage-Backed Securities ETF
Multifactor Developed International ETF
Multifactor Emerging Markets ETF
Multifactor Large Cap ETF
Multifactor Mid Cap ETF
Multifactor Small Cap ETF
Preferred Income ETF
U.S. High Dividend ETF

ASSET ALLOCATION/TARGET DATE FUNDS

Balanced
Multi-Asset High Income
Lifestyle Blend Portfolios
Lifetime Blend Portfolios
Multimanager Lifestyle Portfolios
Multimanager Lifetime Portfolios

ENVIRONMENTAL, SOCIAL, AND GOVERNANCE FUNDS

ESG Core Bond
ESG International Equity
ESG Large Cap Core

CLOSED-END FUNDS

Asset-Based Lending
Financial Opportunities
Hedged Equity & Income
Income Securities Trust
Investors Trust
Preferred Income
Preferred Income II
Preferred Income III
Premium Dividend
Tax-Advantaged Dividend Income
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