

Semiannual report

John Hancock Lifetime Blend 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,

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

Lifetime Blend Portfolios

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Lifetime Blend Portfolios' strategy at a glance

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

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

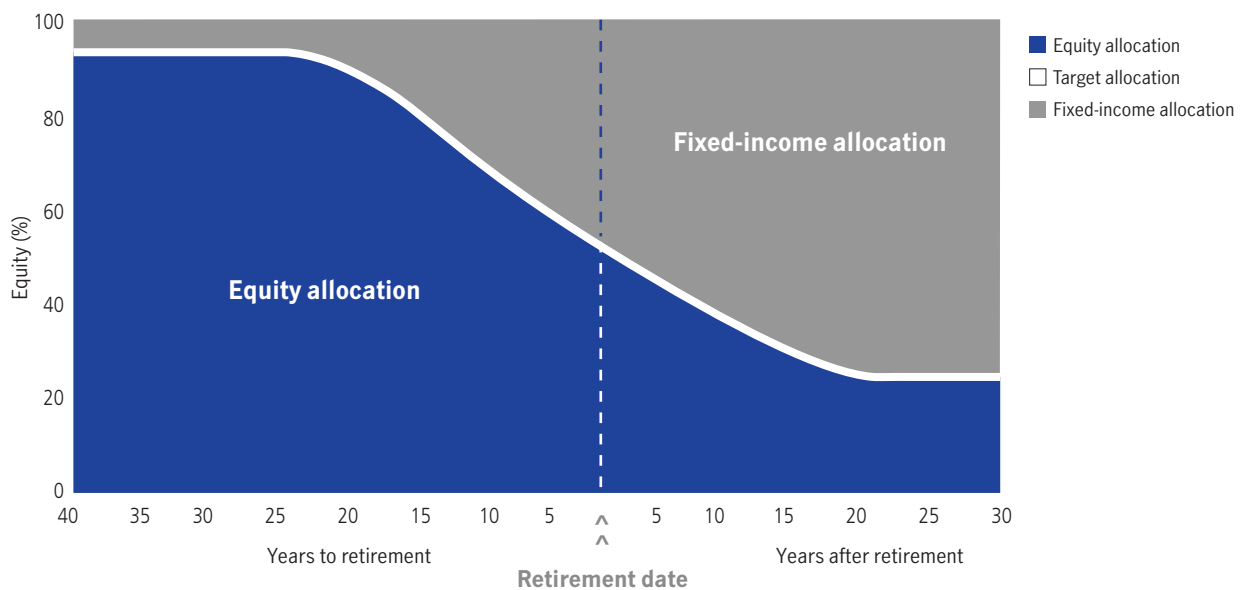
Portfolios with dates further off initially invest more aggressively in stock funds.

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 LIFETIME BLEND PORTFOLIOS—AUTOMATICALLY ADJUST OVER TIME²

The chart below illustrates how the asset allocation mix of John Hancock Lifetime Blend 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.

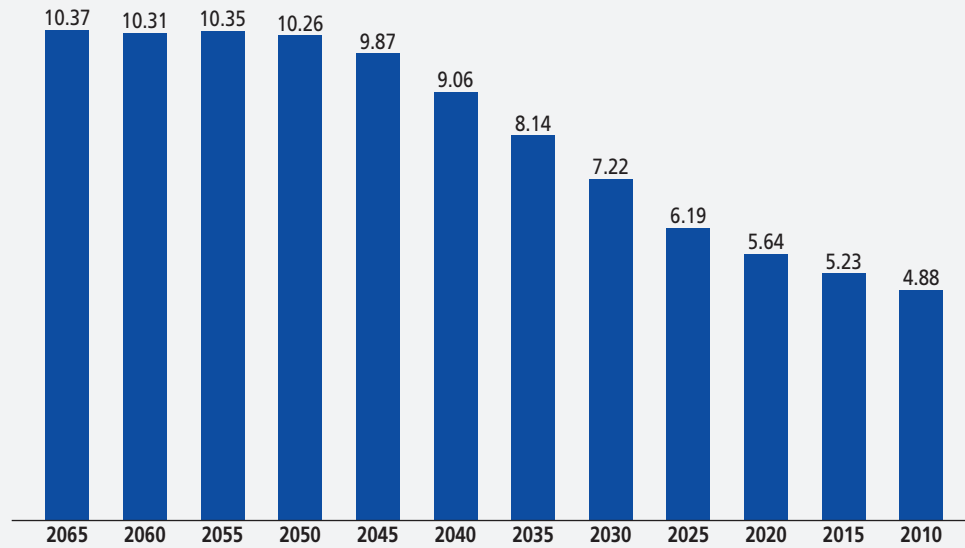
¹ Based on an estimated retirement date.

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

Portfolio summary

2065-2010 LIFETIME BLEND 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.

2065 Lifetime Blend Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	54.7
Equity	52.6
Large blend	28.7
International equity	23.9
Fixed income	2.1
Intermediate bond	1.1
Emerging-market debt	0.6
High yield bond	0.4
Unaffiliated investment companies	43.3
Equity	43.3
U.S. Government	1.9
Short-term investments and other	0.1

2060 Lifetime Blend Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	54.5
Equity	52.5
Large blend	28.6
International equity	23.9
Fixed income	2.0
Intermediate bond	1.1
Emerging-market debt	0.5
High yield bond	0.4
Unaffiliated investment companies	43.5
Equity	43.5
U.S. Government	2.0

2055 Lifetime Blend Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	54.6
Equity	52.5
Large blend	28.6
International equity	23.9
Fixed income	2.1
Intermediate bond	1.1
Emerging-market debt	0.6
High yield bond	0.4
Unaffiliated investment companies	43.4
Equity	43.4
U.S. Government	2.0

2050 Lifetime Blend Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	54.4
Equity	52.4
Large blend	28.6
International equity	23.8
Fixed income	2.0

ASSET ALLOCATION (% of net assets)

Intermediate bond	1.1
Emerging-market debt	0.5
High yield bond	0.4
Unaffiliated investment companies	43.5
Equity	43.5
U.S. Government	2.0
Short-term investments and other	0.1

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

Affiliated investment companies	53.9
Equity	50.4
Large blend	27.6
International equity	22.8
Fixed income	3.5
Intermediate bond	1.7
Emerging-market debt	1.0
High yield bond	0.8
Unaffiliated investment companies	43.5
Equity	41.5
Fixed income	2.0
U.S. Government	2.6

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

Affiliated investment companies	53.0
Equity	45.4
Large blend	24.9
International equity	20.5
Fixed income	7.6
Intermediate bond	4.2
Emerging-market debt	1.9
High yield bond	1.5
Unaffiliated investment companies	43.7
Equity	39.3
Fixed income	4.4
U.S. Government	3.3

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

Affiliated investment companies	52.9
Equity	40.7
Large blend	22.3
International equity	18.4
Fixed income	12.2
Intermediate bond	7.0
Emerging-market debt	2.9
High yield bond	2.3
Unaffiliated investment companies	42.9

ASSET ALLOCATION (% of net assets)

Equity	35.6
Fixed income	7.3
U.S. Government	4.2

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

Affiliated investment companies	51.0
Equity	35.0
Large blend	19.3
International equity	15.7
Fixed income	16.0
Intermediate bond	9.3
Emerging-market debt	4.1
High yield bond	2.6
Unaffiliated investment companies	43.5
Equity	30.9
Fixed income	12.6
U.S. Government	5.5

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

Affiliated investment companies	46.6
Equity	25.6
Large blend	13.3
International equity	12.3
Fixed income	21.0
Intermediate bond	12.5
Emerging-market debt	5.2
High yield bond	3.3
Unaffiliated investment companies	47.0
Equity	28.4
Fixed income	18.6
U.S. Government	6.4

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

Affiliated investment companies	41.3
Equity	17.7
Large blend	9.7
International equity	8.0
Fixed income	23.6
Intermediate bond	14.5
Emerging-market debt	5.6
High yield bond	3.5
Unaffiliated investment companies	51.5
Equity	28.1
Fixed income	23.4
U.S. Government	7.2

2015 Lifetime Blend Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	41.0
Equity	15.5
Large blend	9.2
International equity	6.3
Fixed income	25.5
Intermediate bond	15.9
Emerging-market debt	5.9
High yield bond	3.7
Unaffiliated investment companies	51.1
Fixed income	27.2
Equity	23.9
U.S. Government	7.9

2010 Lifetime Blend Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	39.1
Equity	11.9
Large blend	7.0
International equity	4.9
Fixed income	27.2
Intermediate bond	17.2
Emerging-market debt	6.2
High yield bond	3.8
Unaffiliated investment companies	52.6
Fixed income	31.3
Equity	21.3
U.S. Government	8.3

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 Lifetime Blend 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
2065 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,103.70	\$2.20	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class R4	Actual expenses/actual returns	1,000.00	1,104.40	1.20	0.23%
	Hypothetical example	1,000.00	1,023.70	1.16	0.23%
Class R6	Actual expenses/actual returns	1,000.00	1,105.30	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	1,104.80	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
2060 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,103.10	\$2.20	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class R4	Actual expenses/actual returns	1,000.00	1,104.00	1.31	0.25%
	Hypothetical example	1,000.00	1,023.60	1.26	0.25%
Class R6	Actual expenses/actual returns	1,000.00	1,105.70	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	1,105.30	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
2055 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,103.50	\$2.20	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class R4	Actual expenses/actual returns	1,000.00	1,103.60	1.36	0.26%
	Hypothetical example	1,000.00	1,023.60	1.31	0.26%
Class R6	Actual expenses/actual returns	1,000.00	1,105.30	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	1,105.60	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
2050 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,102.60	\$2.20	0.42%
	Hypothetical example	1,000.00	1,022.80	2.11	0.42%
Class R4	Actual expenses/actual returns	1,000.00	1,104.40	1.31	0.25%
	Hypothetical example	1,000.00	1,023.60	1.26	0.25%
Class R6	Actual expenses/actual returns	1,000.00	1,105.30	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	1,104.80	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
2045 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,098.70	\$2.24	0.43%
	Hypothetical example	1,000.00	1,022.70	2.16	0.43%
Class R4	Actual expenses/actual returns	1,000.00	1,098.90	1.36	0.26%
	Hypothetical example	1,000.00	1,023.60	1.31	0.26%
Class R6	Actual expenses/actual returns	1,000.00	1,101.10	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	1,100.80	0.31	0.06%
	Hypothetical example	1,000.00	1,024.60	0.30	0.06%
2040 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,090.60	\$2.34	0.45%
	Hypothetical example	1,000.00	1,022.60	2.26	0.45%
Class R4	Actual expenses/actual returns	1,000.00	1,091.40	1.46	0.28%
	Hypothetical example	1,000.00	1,023.50	1.41	0.28%
Class R6	Actual expenses/actual returns	1,000.00	1,093.00	0.16	0.03%
	Hypothetical example	1,000.00	1,024.70	0.15	0.03%
Class 1	Actual expenses/actual returns	1,000.00	1,093.50	0.42	0.08%
	Hypothetical example	1,000.00	1,024.50	0.40	0.08%
2035 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,081.40	\$2.43	0.47%
	Hypothetical example	1,000.00	1,022.50	2.36	0.47%
Class R4	Actual expenses/actual returns	1,000.00	1,083.90	1.55	0.30%
	Hypothetical example	1,000.00	1,023.40	1.51	0.30%
Class R6	Actual expenses/actual returns	1,000.00	1,084.60	0.26	0.05%
	Hypothetical example	1,000.00	1,024.60	0.25	0.05%
Class 1	Actual expenses/actual returns	1,000.00	1,083.30	0.52	0.10%
	Hypothetical example	1,000.00	1,024.40	0.50	0.10%

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
2030 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,072.20	\$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	1,073.90	1.70	0.33%
	Hypothetical example	1,000.00	1,023.20	1.66	0.33%
Class R6	Actual expenses/actual returns	1,000.00	1,074.40	0.41	0.08%
	Hypothetical example	1,000.00	1,024.50	0.40	0.08%
Class 1	Actual expenses/actual returns	1,000.00	1,074.10	0.67	0.13%
	Hypothetical example	1,000.00	1,024.20	0.65	0.13%
2025 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,061.90	\$2.87	0.56%
	Hypothetical example	1,000.00	1,022.10	2.82	0.56%
Class R4	Actual expenses/actual returns	1,000.00	1,062.60	2.00	0.39%
	Hypothetical example	1,000.00	1,022.90	1.96	0.39%
Class R6	Actual expenses/actual returns	1,000.00	1,064.10	0.72	0.14%
	Hypothetical example	1,000.00	1,024.20	0.70	0.14%
Class 1	Actual expenses/actual returns	1,000.00	1,063.70	0.92	0.18%
	Hypothetical example	1,000.00	1,024.00	0.91	0.18%
2020 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,056.40	\$3.07	0.60%
	Hypothetical example	1,000.00	1,021.90	3.02	0.60%
Class R4	Actual expenses/actual returns	1,000.00	1,057.00	2.25	0.44%
	Hypothetical example	1,000.00	1,022.70	2.21	0.44%
Class R6	Actual expenses/actual returns	1,000.00	1,057.30	0.97	0.19%
	Hypothetical example	1,000.00	1,023.90	0.96	0.19%
Class 1	Actual expenses/actual returns	1,000.00	1,058.10	1.18	0.23%
	Hypothetical example	1,000.00	1,023.70	1.16	0.23%
2015 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,052.30	\$3.16	0.62%
	Hypothetical example	1,000.00	1,021.80	3.12	0.62%
Class R4	Actual expenses/actual returns	1,000.00	1,053.90	2.30	0.45%
	Hypothetical example	1,000.00	1,022.60	2.26	0.45%
Class R6	Actual expenses/actual returns	1,000.00	1,055.30	1.02	0.20%
	Hypothetical example	1,000.00	1,023.90	1.01	0.20%
Class 1	Actual expenses/actual returns	1,000.00	1,053.90	1.28	0.25%
	Hypothetical example	1,000.00	1,023.60	1.26	0.25%
2010 Lifetime Blend Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,048.80	\$3.26	0.64%
	Hypothetical example	1,000.00	1,021.70	3.22	0.64%
Class R4	Actual expenses/actual returns	1,000.00	1,049.30	2.19	0.43%
	Hypothetical example	1,000.00	1,022.70	2.16	0.43%
Class R6	Actual expenses/actual returns	1,000.00	1,050.60	1.12	0.22%
	Hypothetical example	1,000.00	1,023.80	1.11	0.22%
Class 1	Actual expenses/actual returns	1,000.00	1,050.30	1.38	0.27%
	Hypothetical example	1,000.00	1,023.50	1.36	0.27%

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

2065 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 54.7%		
Equity - 52.6%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	1,403,174	\$13,540,629
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	1,508,511	16,261,744
Fixed income - 2.1%		
Bond, Class NAV, JHSB (MIM US) (B)	48,208	643,575
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	40,353	304,665
High Yield, Class NAV, JHBT (MIM US) (B)	79,962	240,686
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$27,758,406)		\$30,991,299
UNAFFILIATED INVESTMENT COMPANIES - 43.3%		
Equity - 43.3%		
Fidelity Mid Cap Index Fund	243,479	7,591,676
Fidelity Small Cap Index Fund	94,536	2,404,041
Financial Select Sector SPDR Fund	12,841	518,006
iShares MSCI Global Min Vol Factor ETF	3,811	392,685
iShares MSCI USA Quality Factor ETF	3,616	579,572
Vanguard Dividend Appreciation ETF	1,472	262,575
Vanguard FTSE All World ex-US Small-Cap ETF	8,859	1,002,662
Vanguard FTSE Developed Markets ETF	21,126	1,028,414
Vanguard FTSE Emerging Markets ETF	54,880	2,251,178
Vanguard Health Care ETF	2,532	672,018
Vanguard Information Technology ETF	1,001	518,308
Vanguard S&P 500 ETF	15,753	7,355,548
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$21,710,023)		\$24,576,683
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	300	0
ICA Gruppen AB (C)(D)	13	0
Health care - 0.0%		
NMC Health PLC (C)(D)	9	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	240	724
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	1,216	33
TOTAL COMMON STOCKS (Cost \$303)		\$757
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 1.9%		
U.S. Government - 1.9%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$986,400	295,090
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	1,291,200	393,409
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	1,317,800	419,111
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$1,259,548)		\$1,107,610

2065 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.2759% (F)(G)	221	\$2,213
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,084)		\$2,213
Total investments (Cost \$50,730,364) - 99.9%		\$56,678,562
Other assets and liabilities, net - 0.1%		41,097
TOTAL NET ASSETS - 100.0%		\$56,719,659

2060 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 54.5%		
Equity - 52.5%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	4,986,553	\$48,120,236
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	5,360,895	57,790,445
Fixed income - 2.0%		
Bond, Class NAV, JHSB (MIM US) (B)	165,933	2,215,203
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	138,896	1,048,666
High Yield, Class NAV, JHBT (MIM US) (B)	275,231	828,447
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$99,816,198)		\$110,002,997
UNAFFILIATED INVESTMENT COMPANIES - 43.5%		
Equity - 43.5%		
Fidelity Mid Cap Index Fund	864,826	26,965,267
Fidelity Small Cap Index Fund	337,247	8,576,184
Financial Select Sector SPDR Fund	45,569	1,838,253
iShares MSCI Global Min Vol Factor ETF	13,546	1,395,780
iShares MSCI USA Quality Factor ETF	12,852	2,059,919
Vanguard Dividend Appreciation ETF	5,232	933,284
Vanguard FTSE All World ex-US Small-Cap ETF	31,482	3,563,133
Vanguard FTSE Developed Markets ETF (H)	75,077	3,654,748
Vanguard FTSE Emerging Markets ETF	201,448	8,263,397
Vanguard Health Care ETF	9,000	2,388,690
Vanguard Information Technology ETF (H)	3,560	1,843,332
Vanguard S&P 500 ETF	55,983	26,140,142
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$75,136,526)		\$87,622,129
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	2,326	0
ICA Gruppen AB (C)(D)	100	0
Health care - 0.0%		
NMC Health PLC (C)(D)	73	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	1,860	5,613

2060 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	9,419	\$259
TOTAL COMMON STOCKS (Cost \$2,348)		\$5,872
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 2.0%		
U.S. Government - 2.0%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$3,596,400	1,075,894
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	4,674,800	1,424,341
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	4,806,300	1,528,587
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$4,791,279)		\$4,028,822
SHORT-TERM INVESTMENTS - 2.5%		
Short-term funds - 2.5%		
John Hancock Collateral Trust, 5.2759% (F)(I)	516,412	5,164,333
TOTAL SHORT-TERM INVESTMENTS (Cost \$5,164,381)		\$5,164,333
Total investments (Cost \$184,910,732) - 102.5%		\$206,824,153
Other assets and liabilities, net - (2.5%)		(5,121,015)
TOTAL NET ASSETS - 100.0%		\$201,703,138

2055 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 54.6%		
Equity - 52.5%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	8,969,083	\$86,551,651
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	9,642,394	103,945,011
Fixed income - 2.1%		
Bond, Class NAV, JHSB (MIM US) (B)	309,363	4,129,999
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	258,957	1,955,122
High Yield, Class NAV, JHBT (MIM US) (B)	513,138	1,544,546
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$180,577,444)		\$198,126,329
UNAFFILIATED INVESTMENT COMPANIES - 43.4%		
Equity - 43.4%		
Fidelity Mid Cap Index Fund	1,555,522	48,501,183
Fidelity Small Cap Index Fund	605,808	15,405,689
Financial Select Sector SPDR Fund	81,963	3,306,387
iShares MSCI Global Min Vol Factor ETF	24,365	2,510,570
iShares MSCI USA Quality Factor ETF	23,117	3,705,193
Vanguard Dividend Appreciation ETF	9,410	1,678,556
Vanguard FTSE All World ex-US Small-Cap ETF	56,626	6,408,931
Vanguard FTSE Developed Markets ETF	135,039	6,573,699
Vanguard FTSE Emerging Markets ETF	363,612	14,915,364
Vanguard Health Care ETF (H)	16,189	4,296,722
Vanguard Information Technology ETF	6,401	3,314,374
Vanguard S&P 500 ETF	100,695	47,017,516

2055 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$133,410,051)		\$157,634,184
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	4,869	\$0
ICA Gruppen AB (C)(D)	209	0
Health care - 0.0%		
NMC Health PLC (C)(D)	153	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	3,894	11,751
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	19,720	542
TOTAL COMMON STOCKS (Cost \$4,917)		\$12,293
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 2.0%		
U.S. Government - 2.0%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$6,543,900	1,957,664
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	8,505,600	2,591,528
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	8,745,700	2,781,467
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$8,757,899)		\$7,330,659
SHORT-TERM INVESTMENTS - 0.1%		
Short-term funds - 0.1%		
John Hancock Collateral Trust, 5.2759% (F)(I)	52,487	524,893
TOTAL SHORT-TERM INVESTMENTS (Cost \$524,892)		\$524,893
Total investments (Cost \$323,275,203) - 100.1%		\$363,628,358
Other assets and liabilities, net - (0.1%)		(461,298)
TOTAL NET ASSETS - 100.0%		\$363,167,060

2050 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 54.4%		
Equity - 52.4%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	11,591,675	\$111,859,662
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	12,461,874	134,338,997
Fixed income - 2.0%		
Bond, Class NAV, JHSB (MIM US) (B)	387,152	5,168,477
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	324,101	2,446,964
High Yield, Class NAV, JHBT (MIM US) (B)	642,226	1,933,101
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$232,763,307)		\$255,747,201

2050 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
UNAFFILIATED INVESTMENT COMPANIES - 43.5%		
Equity - 43.5%		
Fidelity Mid Cap Index Fund	2,016,314	\$62,868,679
Fidelity Small Cap Index Fund	787,290	20,020,772
Financial Select Sector SPDR Fund	106,256	4,286,367
iShares MSCI Global Min Vol Factor ETF	31,489	3,244,627
iShares MSCI USA Quality Factor ETF	29,877	4,788,686
Vanguard Dividend Appreciation ETF (H)	12,162	2,169,458
Vanguard FTSE All World ex-US Small-Cap ETF (H)	73,185	8,283,078
Vanguard FTSE Developed Markets ETF	174,535	8,496,364
Vanguard FTSE Emerging Markets ETF	479,877	19,684,555
Vanguard Health Care ETF (H)	20,923	5,553,173
Vanguard Information Technology ETF (H)	8,273	4,283,677
Vanguard S&P 500 ETF (H)	130,141	60,766,737
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$172,672,111)		\$204,446,173
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	6,675	0
ICA Gruppen AB (C)(D)	287	0
Health care - 0.0%		
NMC Health PLC (C)(D)	209	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	5,335	16,098
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	27,032	742
TOTAL COMMON STOCKS (Cost \$6,739)		\$16,840
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 2.0%		
U.S. Government - 2.0%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$8,534,800	2,553,259
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	11,093,500	3,380,022
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	11,406,600	3,627,734
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$11,456,862)		\$9,561,015
SHORT-TERM INVESTMENTS - 2.1%		
Short-term funds - 2.1%		
John Hancock Collateral Trust, 5.2759% (F)(I)	967,025	9,670,639
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,670,779)		\$9,670,639
Total investments (Cost \$426,569,798) - 102.0%		\$479,441,868
Other assets and liabilities, net - (2.0%)		(9,592,772)
TOTAL NET ASSETS - 100.0%		\$469,849,096

2045 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 53.9%		
Equity - 50.4%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	13,558,143	\$130,836,075
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	14,679,883	158,249,141
Fixed income - 3.5%		
Bond, Class NAV, JHSB (MIM US) (B)	732,341	9,776,756
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	789,783	5,962,863
High Yield, Class NAV, JHBT (MIM US) (B)	1,478,577	4,450,517
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$283,987,352)		\$309,275,352
UNAFFILIATED INVESTMENT COMPANIES - 43.5%		
Equity - 41.5%		
Fidelity Mid Cap Index Fund	2,261,494	70,513,372
Fidelity Small Cap Index Fund	878,626	22,343,451
Financial Select Sector SPDR Fund	126,701	5,111,118
iShares Global Infrastructure ETF	12,992	592,955
iShares MSCI Global Min Vol Factor ETF (H)	38,176	3,933,655
iShares MSCI USA Quality Factor ETF	35,433	5,679,201
Vanguard Dividend Appreciation ETF	14,796	2,639,310
Vanguard Energy ETF	18,595	2,232,888
Vanguard FTSE All World ex-US Small-Cap ETF	88,725	10,041,896
Vanguard FTSE Developed Markets ETF	245,430	11,947,532
Vanguard FTSE Emerging Markets ETF	516,786	21,198,562
Vanguard Global ex-U.S. Real Estate ETF	14,714	591,944
Vanguard Health Care ETF	24,717	6,560,139
Vanguard Information Technology ETF	9,703	5,024,116
Vanguard Materials ETF	6,204	1,197,062
Vanguard Real Estate ETF	21,109	1,805,875
Vanguard S&P 500 ETF	142,085	66,343,749
Fixed income - 2.0%		
Vanguard Total Bond Market ETF	158,043	11,413,865
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$212,204,366)		\$249,170,690
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	8,519	0
ICA Gruppen AB (C)(D)	366	0
Health care - 0.0%		
NMC Health PLC (C)(D)	267	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	6,811	20,551
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	34,500	947
TOTAL COMMON STOCKS (Cost \$8,601)		\$21,498

2045 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 2.6%		
U.S. Government - 2.6%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$13,117,800	\$3,924,304
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	16,997,500	5,178,882
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	17,475,200	5,557,781
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$17,889,048)		\$14,660,967
SHORT-TERM INVESTMENTS - 0.7%		
Short-term funds - 0.7%		
John Hancock Collateral Trust, 5.2759% (F)(I)	391,778	3,917,936
TOTAL SHORT-TERM INVESTMENTS (Cost \$3,918,179)		\$3,917,936
Total investments (Cost \$518,007,546) - 100.7%		\$577,046,443
Other assets and liabilities, net - (0.7%)		(3,824,377)
TOTAL NET ASSETS - 100.0%		\$573,222,066

2040 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 53.0%		
Equity - 45.4%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	14,075,930	\$135,832,727
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	15,273,709	164,650,580
Fixed income - 7.6%		
Bond, Class NAV, JHSB (MIM US) (B)	2,057,955	27,473,701
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	1,666,642	12,583,149
High Yield, Class NAV, JHBT (MIM US) (B)	3,287,446	9,895,212
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$326,179,581)		\$350,435,369
UNAFFILIATED INVESTMENT COMPANIES - 43.7%		
Equity - 39.3%		
Fidelity Mid Cap Index Fund	2,259,858	70,462,374
Fidelity Small Cap Index Fund	869,106	22,101,359
Financial Select Sector SPDR Fund	141,286	5,699,477
iShares Global Infrastructure ETF	35,443	1,617,619
iShares MSCI Global Min Vol Factor ETF (H)	103,624	10,677,417
iShares MSCI USA Quality Factor ETF	39,818	6,382,029
Vanguard Dividend Appreciation ETF	40,323	7,192,817
Vanguard Energy ETF	51,097	6,135,728
Vanguard FTSE All World ex-US Small-Cap ETF	101,850	11,527,383
Vanguard FTSE Developed Markets ETF (H)	338,897	16,497,506
Vanguard FTSE Emerging Markets ETF	421,421	17,286,689
Vanguard Global ex-U.S. Real Estate ETF	39,707	1,597,413
Vanguard Health Care ETF	28,474	7,557,284
Vanguard Information Technology ETF	10,857	5,621,646
Vanguard Materials ETF	17,104	3,300,217
Vanguard Real Estate ETF	56,941	4,871,303
Vanguard S&P 500 ETF	131,484	61,393,824

2040 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
Fixed income - 4.4%		
Vanguard Total Bond Market ETF	406,764	\$29,376,496
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$250,877,232)		\$289,298,581
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	8,209	0
ICA Gruppen AB (C)(D)	353	0
Health care - 0.0%		
NMC Health PLC (C)(D)	258	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	6,565	19,808
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	33,245	913
TOTAL COMMON STOCKS (Cost \$8,288)		\$20,721
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 3.3%		
U.S. Government - 3.3%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$19,530,800	5,842,808
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	25,244,800	7,691,710
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	25,969,100	8,259,166
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$27,185,177)		\$21,793,684
SHORT-TERM INVESTMENTS - 1.3%		
Short-term funds - 1.3%		
John Hancock Collateral Trust, 5.2759% (F)(I)	843,912	8,439,457
TOTAL SHORT-TERM INVESTMENTS (Cost \$8,439,794)		\$8,439,457
Total investments (Cost \$612,690,072) - 101.3%		\$669,987,812
Other assets and liabilities, net - (1.3%)		(8,338,715)
TOTAL NET ASSETS - 100.0%		\$661,649,097

2035 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 52.9%		
Equity - 40.7%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	14,707,571	\$141,928,063
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	15,994,591	172,421,691
Fixed income - 12.2%		
Bond, Class NAV, JHSB (MIM US) (B)	4,080,129	54,469,727
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	2,954,891	22,309,431
High Yield, Class NAV, JHBT (MIM US) (B)	5,918,170	17,813,691
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$384,078,873)		\$408,942,603

2035 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
UNAFFILIATED INVESTMENT COMPANIES - 42.9%		
Equity - 35.6%		
Fidelity Mid Cap Index Fund	2,215,434	\$69,077,222
Fidelity Small Cap Index Fund	855,223	21,748,327
Financial Select Sector SPDR Fund	155,243	6,262,503
iShares Global Infrastructure ETF	64,921	2,962,994
iShares MSCI Global Min Vol Factor ETF	194,754	20,067,452
iShares MSCI USA Quality Factor ETF (H)	44,293	7,099,282
Vanguard Dividend Appreciation ETF (H)	76,507	13,647,319
Vanguard Energy ETF (H)	94,604	11,360,048
Vanguard FTSE All World ex-US Small-Cap ETF	108,918	12,327,339
Vanguard FTSE Developed Markets ETF (H)	412,292	20,070,375
Vanguard FTSE Emerging Markets ETF	314,923	12,918,141
Vanguard Global ex-U.S. Real Estate ETF	72,334	2,909,997
Vanguard Health Care ETF	27,995	7,430,153
Vanguard Information Technology ETF	12,074	6,251,796
Vanguard Materials ETF	31,523	6,082,363
Vanguard Real Estate ETF	105,089	8,990,364
Vanguard S&P 500 ETF	99,099	46,272,296
Fixed income - 7.3%		
Vanguard Total Bond Market ETF	783,863	56,610,586
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$293,162,783)		\$332,088,557
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	8,783	0
ICA Gruppen AB (C)(D)	377	0
Health care - 0.0%		
NMC Health PLC (C)(D)	276	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	7,026	21,201
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	35,571	977
TOTAL COMMON STOCKS (Cost \$8,869)		\$22,178
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 4.2%		
U.S. Government - 4.2%		
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	\$29,206,900	8,737,497
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	37,686,800	11,482,599
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	38,764,500	12,328,591
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$40,456,513)		\$32,548,687
SHORT-TERM INVESTMENTS - 3.0%		
Short-term funds - 3.0%		
John Hancock Collateral Trust, 5.2759% (F)(I)	2,299,596	22,996,875

2035 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
TOTAL SHORT-TERM INVESTMENTS (Cost \$22,996,970)		\$22,996,875
Total investments (Cost \$740,704,008) - 103.0%		\$796,598,900
Other assets and liabilities, net - (3.0%)		(22,901,422)
TOTAL NET ASSETS - 100.0%		\$773,697,478

2030 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 51.0%		
Equity - 35.0%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	12,807,839	\$123,595,648
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	14,115,164	152,161,465
Fixed income - 16.0%		
Bond, Class NAV, JHSB (MIM US) (B)	5,496,396	73,376,880
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	4,236,685	31,986,972
High Yield, Class NAV, JHBT (MIM US) (B)	6,791,868	20,443,522
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$380,384,037)		\$401,564,487
UNAFFILIATED INVESTMENT COMPANIES - 43.5%		
Equity - 30.9%		
Fidelity Mid Cap Index Fund	1,813,384	56,541,305
Fidelity Small Cap Index Fund	698,263	17,756,834
Financial Select Sector SPDR Fund	138,924	5,604,194
iShares Global Infrastructure ETF	89,931	4,104,451
iShares MSCI Global Min Vol Factor ETF	272,003	28,027,189
iShares MSCI USA Quality Factor ETF	38,856	6,227,840
Vanguard Dividend Appreciation ETF	106,561	19,008,351
Vanguard Energy ETF (H)	130,043	15,615,563
Vanguard FTSE All World ex-US Small-Cap ETF	103,036	11,661,614
Vanguard FTSE Developed Markets ETF	342,087	16,652,795
Vanguard FTSE Emerging Markets ETF	189,753	7,783,668
Vanguard Global ex-U.S. Real Estate ETF	101,637	4,088,857
Vanguard Health Care ETF	28,464	7,554,630
Vanguard Information Technology ETF	10,664	5,521,713
Vanguard Materials ETF	43,927	8,475,715
Vanguard Real Estate ETF	145,143	12,416,984
Vanguard S&P 500 ETF	35,949	16,785,667
Fixed income - 12.6%		
Invesco Senior Loan ETF	336,982	7,117,060
Vanguard Short-Term Corporate Bond ETF	233,219	17,964,860
Vanguard Total Bond Market ETF	1,028,019	74,243,533
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$313,712,579)		\$343,152,823
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	7,871	0

2030 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
Consumer staples - (continued)		
ICA Gruppen AB (C)(D)	338	\$0
Health care - 0.0%		
NMC Health PLC (C)(D)	247	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	6,295	18,993
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	31,878	875
TOTAL COMMON STOCKS (Cost \$7,947)		\$19,868
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 5.5%		
U.S. Government - 5.5%		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	\$1,301,955	1,269,694
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	2,299,767	2,203,626
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	2,914,728	2,747,169
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	4,127,884	4,009,153
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	29,778,500	8,908,496
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	38,422,000	11,706,604
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	39,521,500	12,569,346
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$52,726,268)		\$43,414,088
SHORT-TERM INVESTMENTS - 0.6%		
Short-term funds - 0.6%		
John Hancock Collateral Trust, 5.2759% (F)(I)	501,660	5,016,808
TOTAL SHORT-TERM INVESTMENTS (Cost \$5,013,703)		\$5,016,808
Total investments (Cost \$751,844,534) - 100.6%		\$793,168,074
Other assets and liabilities, net - (0.6%)		(4,869,381)
TOTAL NET ASSETS - 100.0%		\$788,298,693

2025 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 46.6%		
Equity - 25.6%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	7,672,915	\$74,043,627
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	7,418,736	79,973,975
Fixed income - 21.0%		
Bond, Class NAV, JHSB (MIM US) (B)	5,626,754	75,117,160
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	4,090,636	30,884,300
High Yield, Class NAV, JHBT (MIM US) (B)	6,623,536	19,936,843
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$268,126,287)		\$279,955,905

2025 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
UNAFFILIATED INVESTMENT COMPANIES - 47.0%		
Equity - 28.4%		
Fidelity Mid Cap Index Fund	1,030,512	\$32,131,368
Fidelity Small Cap Index Fund	396,128	10,073,525
Financial Select Sector SPDR Fund	90,927	3,667,995
iShares Global Infrastructure ETF	87,703	4,002,765
iShares MSCI Global Min Vol Factor ETF	269,227	27,741,150
iShares MSCI USA Quality Factor ETF	27,355	4,384,459
Vanguard Dividend Appreciation ETF	104,649	18,667,289
Vanguard Energy ETF	127,148	15,267,932
Vanguard FTSE All World ex-US Small-Cap ETF	66,642	7,542,542
Vanguard FTSE Developed Markets ETF (H)	235,604	11,469,203
Vanguard FTSE Emerging Markets ETF	53,973	2,213,972
Vanguard Global ex-U.S. Real Estate ETF	99,231	3,992,063
Vanguard Health Care ETF	19,950	5,294,930
Vanguard Information Technology ETF	6,957	3,602,265
Vanguard Materials ETF (H)	42,649	8,229,125
Vanguard Real Estate ETF	141,529	12,107,806
Fixed income - 18.6%		
Invesco Senior Loan ETF	441,357	9,321,460
Vanguard Short-Term Corporate Bond ETF	344,915	26,568,802
Vanguard Total Bond Market ETF	1,051,347	75,928,280
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$264,023,322)		\$282,206,931
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	5,304	0
ICA Gruppen AB (C)(D)	228	0
Health care - 0.0%		
NMC Health PLC (C)(D)	166	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	4,242	12,801
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	21,481	590
TOTAL COMMON STOCKS (Cost \$5,355)		\$13,391
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 6.4%		
U.S. Government - 6.4%		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	\$2,137,306	2,084,346
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	3,874,430	3,712,462
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	4,909,885	4,627,630
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	6,777,980	6,583,025
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	19,349,000	5,788,421
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	25,003,500	7,618,189
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	25,719,900	8,179,910

2025 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$44,997,423)		\$38,593,983
SHORT-TERM INVESTMENTS - 1.7%		
Short-term funds - 1.7%		
John Hancock Collateral Trust, 5.2759% (F)(I)	1,030,130	\$10,301,710
TOTAL SHORT-TERM INVESTMENTS (Cost \$10,301,223)		\$10,301,710
Total investments (Cost \$587,453,610) - 101.7%		\$611,071,920
Other assets and liabilities, net - (1.7%)		(10,341,983)
TOTAL NET ASSETS - 100.0%		\$600,729,937

2020 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 41.3%		
Equity - 17.7%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	2,296,346	\$22,159,741
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	2,501,725	26,968,594
Fixed income - 23.6%		
Bond, Class NAV, JHSB (MIM US) (B)	3,028,252	40,427,163
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	2,058,293	15,540,113
High Yield, Class NAV, JHBT (MIM US) (B)	3,247,164	9,773,964
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$110,455,113)		\$114,869,575
UNAFFILIATED INVESTMENT COMPANIES - 51.5%		
Equity - 28.1%		
Fidelity Mid Cap Index Fund	351,732	10,966,996
Fidelity Small Cap Index Fund	135,935	3,456,839
Financial Select Sector SPDR Fund	41,361	1,668,503
iShares Global Infrastructure ETF	42,645	1,946,318
iShares MSCI Global Min Vol Factor ETF	128,613	13,252,284
iShares MSCI USA Quality Factor ETF	11,731	1,880,245
Vanguard Dividend Appreciation ETF	49,608	8,849,075
Vanguard Energy ETF	60,718	7,291,017
Vanguard FTSE All World ex-US Small-Cap ETF	24,506	2,773,589
Vanguard FTSE Developed Markets ETF	181,544	8,837,562
Vanguard FTSE Emerging Markets ETF	39,746	1,630,381
Vanguard Global ex-U.S. Real Estate ETF	48,068	1,933,776
Vanguard Health Care ETF	8,505	2,257,312
Vanguard Information Technology ETF	3,232	1,673,497
Vanguard Materials ETF	20,203	3,898,169
Vanguard Real Estate ETF	68,930	5,896,962
Fixed income - 23.4%		
Invesco Senior Loan ETF	284,454	6,007,668
Vanguard Short-Term Corporate Bond ETF	234,266	18,045,510
Vanguard Total Bond Market ETF	565,440	40,836,077
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$135,477,667)		\$143,101,780

2020 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	1,639	\$0
ICA Gruppen AB (C)(D)	70	0
Health care - 0.0%		
NMC Health PLC (C)(D)	51	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	1,309	3,948
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	6,637	182
TOTAL COMMON STOCKS (Cost \$1,655)		\$4,130
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 7.2%		
U.S. Government - 7.2%		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	\$1,518,571	1,480,943
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	2,813,971	2,696,335
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	3,567,576	3,362,487
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	4,817,484	4,678,918
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	6,856,500	2,051,181
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	8,884,900	2,707,095
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	9,151,800	2,910,622
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$22,461,765)		\$19,887,581
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.2759% (F)(G)	2,265	22,652
TOTAL SHORT-TERM INVESTMENTS (Cost \$22,650)		\$22,652
Total investments (Cost \$268,418,850) - 100.0%		\$277,885,718
Other assets and liabilities, net - 0.0%		35,104
TOTAL NET ASSETS - 100.0%		\$277,920,822

2015 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 41.0%		
Equity - 15.5%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	563,689	\$5,439,596
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	745,527	8,036,778
Fixed income - 25.5%		
Bond, Class NAV, JHSB (MIM US) (B)	1,031,303	13,767,897
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	675,324	5,098,693

2015 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
Fixed income - (continued)		
High Yield, Class NAV, JHBT (MIM US) (B)	1,058,391	\$3,185,758
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$33,947,813)		\$35,528,722
UNAFFILIATED INVESTMENT COMPANIES - 51.1%		
Equity - 23.9%		
Fidelity Mid Cap Index Fund	76,584	2,387,901
Fidelity Small Cap Index Fund	29,663	754,335
iShares Global Infrastructure ETF	13,258	605,095
iShares MSCI Global Min Vol Factor ETF	40,006	4,122,218
iShares MSCI USA Quality Factor ETF	3,014	483,084
Vanguard Dividend Appreciation ETF	15,515	2,767,566
Vanguard Energy ETF	18,855	2,264,108
Vanguard FTSE All World ex-US Small-Cap ETF	5,713	646,597
Vanguard FTSE Developed Markets ETF	61,802	3,008,521
Vanguard Global ex-U.S. Real Estate ETF	14,795	595,203
Vanguard Materials ETF	6,290	1,213,656
Vanguard Real Estate ETF	21,290	1,821,360
Fixed income - 27.2%		
Invesco Senior Loan ETF	112,484	2,375,662
Vanguard Short-Term Corporate Bond ETF	96,009	7,395,573
Vanguard Total Bond Market ETF	190,754	13,776,256
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$42,477,749)		\$44,217,135
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	424	0
ICA Gruppen AB (C)(D)	18	0
Health care - 0.0%		
NMC Health PLC (C)(D)	13	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	336	1,015
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	1,716	47
TOTAL COMMON STOCKS (Cost \$427)		\$1,062
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 7.9%		
U.S. Government - 7.9%		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	\$657,450	641,159
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	1,205,971	1,155,556
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	1,529,396	1,441,475
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	2,084,958	2,024,988
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	1,394,700	417,237
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	1,817,700	553,826
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	1,869,700	594,636

2015 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$7,396,429)		\$6,828,877
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.2759% (F)(G)	288	\$2,885
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,883)		\$2,885
Total investments (Cost \$83,825,301) - 100.0%		\$86,578,681
Other assets and liabilities, net - 0.0%		24,871
TOTAL NET ASSETS - 100.0%		\$86,603,552

2010 LIFETIME BLEND PORTFOLIO

As of 2-29-24 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 39.1%		
Equity - 11.9%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	303,966	\$2,933,268
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	395,732	4,265,991
Fixed income - 27.2%		
Bond, Class NAV, JHSB (MIM US) (B)	782,052	10,440,399
Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)	497,709	3,757,701
High Yield, Class NAV, JHBT (MIM US) (B)	771,311	2,321,646
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$22,839,925)		\$23,719,005
UNAFFILIATED INVESTMENT COMPANIES - 52.6%		
Equity - 21.3%		
Fidelity Mid Cap Index Fund	30,299	944,719
Fidelity Small Cap Index Fund	11,710	297,773
iShares Global Infrastructure ETF	9,297	424,315
iShares MSCI Global Min Vol Factor ETF	28,169	2,902,534
iShares MSCI USA Quality Factor ETF	1,906	305,494
Vanguard Dividend Appreciation ETF	10,880	1,940,774
Vanguard Energy ETF	13,295	1,596,464
Vanguard FTSE All World ex-US Small-Cap ETF	2,679	303,209
Vanguard FTSE Developed Markets ETF	34,105	1,660,231
Vanguard Global ex-U.S. Real Estate ETF	10,474	421,369
Vanguard Materials ETF	4,411	851,102
Vanguard Real Estate ETF	14,929	1,277,176
Fixed income - 31.3%		
Invesco Senior Loan ETF	95,499	2,016,939
Vanguard Short-Term Corporate Bond ETF	83,826	6,457,117
Vanguard Total Bond Market ETF	145,586	10,514,222
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$30,749,292)		\$31,913,438
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (C)(D)	225	0

2010 LIFETIME BLEND PORTFOLIO (continued)

	Shares or Principal Amount	Value
Consumer staples - (continued)		
ICA Gruppen AB (C)(D)	10	\$0
Health care - 0.0%		
NMC Health PLC (C)(D)	7	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E)	180	543
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (C)(D)	911	25
TOTAL COMMON STOCKS (Cost \$227)		\$568
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 8.3%		
U.S. Government - 8.3%		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	\$563,511	549,548
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	1,013,671	971,295
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	1,284,836	1,210,974
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	1,787,355	1,735,946
U.S. Treasury STRIPS, PO, 4.230%, 11/15/2052	478,500	143,147
U.S. Treasury STRIPS, PO, 4.358%, 08/15/2051	646,500	196,979
U.S. Treasury STRIPS, PO, 4.403%, 05/15/2050	641,400	203,990
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$5,288,190)		\$5,011,879
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.2759% (F)(G)	119	1,189
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,188)		\$1,189
Total investments (Cost \$58,878,822) - 100.0%		\$60,646,079
Other assets and liabilities, net - 0.0%		10,174
TOTAL NET ASSETS - 100.0%		\$60,656,253

Percentages are based upon net assets.

Security Abbreviations and Legend

JHBT	John Hancock Bond Trust
JHF II	John Hancock Funds II
JHSB	John Hancock Sovereign Bond Fund
MIM US	Manulife Investment Management (US) LLC
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)	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.
(D)	Non-income producing.
(E)	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.
(F)	The rate shown is the annualized seven-day yield as of 2-29-24.
(G)	Investment is an affiliate of the fund, the advisor and/or subadvisor.

(H) All or a portion of this security is on loan as of 2-29-24.

(I) Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending.

Financial statements

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

	2065 Lifetime Blend Portfolio	2060 Lifetime Blend Portfolio	2055 Lifetime Blend Portfolio	2050 Lifetime Blend Portfolio
Assets				
Unaffiliated investments, at value (including securites loaned)	\$25,685,050	\$91,656,823	\$164,977,136	\$214,024,028
Affiliated investments, at value	30,993,512	115,167,330	198,651,222	265,417,840
Total investments, at value	56,678,562	206,824,153	363,628,358	479,441,868
Dividends and interest receivable	6,499	34,714	68,031	92,223
Receivable for fund shares sold	138,951	239,336	655,464	534,334
Receivable for investments sold	271,930	1,036,380	1,589,294	2,096,665
Receivable for securities lending income	—	455	102	1,222
Receivable from affiliates	1,557	2,891	4,431	5,476
Other assets	26,225	42,000	50,432	47,706
Total assets	57,123,724	208,179,929	365,996,112	482,219,494
Liabilities				
Due to custodian	162,012	730,097	993,515	1,697,222
Payable for investments purchased	161,606	485,083	1,212,309	823,449
Payable for fund shares repurchased	50,017	56,766	44,050	111,686
Payable upon return of securities loaned	—	5,159,125	519,650	9,668,475
Payable to affiliates				
Accounting and legal services fees	3,049	10,937	19,816	25,828
Transfer agent fees	485	3,232	6,650	9,598
Distribution and service fees	12	77	104	116
Trustees' fees	17	78	142	191
Other liabilities and accrued expenses	26,867	31,396	32,816	33,833
Total liabilities	404,065	6,476,791	2,829,052	12,370,398
Net assets	\$56,719,659	\$201,703,138	\$363,167,060	\$469,849,096
Net assets consist of				
Paid-in capital	\$51,628,882	\$184,962,057	\$333,956,328	\$433,404,289
Total distributable earnings (loss)	5,090,777	16,741,081	29,210,732	36,444,807
Net assets	\$56,719,659	\$201,703,138	\$363,167,060	\$469,849,096
Unaffiliated investments, at cost	\$22,969,874	\$79,930,153	\$142,172,867	\$184,135,712
Affiliated investments, at cost	27,760,490	104,980,579	181,102,336	242,434,086
Total investments, at cost	50,730,364	184,910,732	323,275,203	426,569,798
Securities loaned, at value	—	\$5,042,676	\$509,143	\$9,475,558
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	\$5,023,317	\$33,831,734	\$71,709,102	\$101,363,531
Shares outstanding	381,258	2,315,317	5,364,218	7,496,739
Net asset value and redemption price per share	\$13.18	\$14.61	\$13.37	\$13.52
Class R4				
Net assets	\$65,830	\$1,043,127	\$1,395,959	\$1,582,591
Shares outstanding	5,000	71,440	104,701	117,225
Net asset value, offering price and redemption price per share	\$13.17	\$14.60	\$13.33	\$13.50
Class R6				
Net assets	\$8,098,272	\$49,725,254	\$83,908,139	\$111,740,809
Shares outstanding	615,670	3,406,706	6,292,615	8,286,627
Net asset value, offering price and redemption price per share	\$13.15	\$14.60	\$13.33	\$13.48
Class 1				
Net assets	\$43,532,240	\$117,103,023	\$206,153,860	\$255,162,165
Shares outstanding	3,306,784	8,021,080	15,446,478	18,901,384
Net asset value, offering price and redemption price per share	\$13.16	\$14.60	\$13.35	\$13.50
Maximum offering price per share				
Class A (net asset value per share ÷ 95%) ²	\$13.87	\$15.38	\$14.07	\$14.23

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

	2045 Lifetime Blend Portfolio	2040 Lifetime Blend Portfolio	2035 Lifetime Blend Portfolio	2030 Lifetime Blend Portfolio
Assets				
Unaffiliated investments, at value (including securites loaned)	\$263,853,155	\$311,112,986	\$364,659,422	\$386,586,779
Affiliated investments, at value	313,193,288	358,874,826	431,939,478	406,581,295
Total investments, at value	577,046,443	669,987,812	796,598,900	793,168,074
Dividends and interest receivable	137,109	205,491	325,886	415,322
Receivable for fund shares sold	419,238	972,485	252,925	514,502
Receivable for investments sold	2,385,863	4,975,193	10,576,322	13,199,742
Receivable for securities lending income	559	2,069	3,723	2,801
Receivable from affiliates	6,377	7,826	8,319	8,500
Other assets	52,680	54,057	55,089	55,615
Total assets	580,048,269	676,204,933	807,821,164	807,364,556
Liabilities				
Due to custodian	1,652,221	4,591,806	9,563,645	213,197
Line of credit payable	—	—	—	11,000,000
Payable for investments purchased	1,188,552	1,366,251	967,912	2,453,831
Payable for fund shares repurchased	—	85,943	518,422	262,056
Payable upon return of securities loaned	3,914,050	8,428,850	22,980,550	5,038,600
Payable to affiliates				
Accounting and legal services fees	31,892	36,301	43,047	43,467
Transfer agent fees	11,691	11,998	14,007	14,969
Distribution and service fees	236	62	308	3,381
Trustees' fees	249	279	333	345
Other liabilities and accrued expenses	27,312	34,346	35,462	36,017
Total liabilities	6,826,203	14,555,836	34,123,686	19,065,863
Net assets	\$573,222,066	\$661,649,097	\$773,697,478	\$788,298,693
Net assets consist of				
Paid-in capital	\$532,822,242	\$625,970,845	\$747,503,922	\$780,402,935
Total distributable earnings (loss)	40,399,824	35,678,252	26,193,556	7,895,758
Net assets	\$573,222,066	\$661,649,097	\$773,697,478	\$788,298,693
Unaffiliated investments, at cost	\$230,102,015	\$278,070,697	\$333,628,165	\$366,446,794
Affiliated investments, at cost	287,905,531	334,619,375	407,075,843	385,397,740
Total investments, at cost	518,007,546	612,690,072	740,704,008	751,844,534
Securities loaned, at value	\$3,832,801	\$8,241,422	\$22,456,564	\$4,938,241
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	\$124,475,961	\$126,328,903	\$147,214,491	\$158,911,468
Shares outstanding	9,468,194	9,888,187	12,081,068	13,732,933
Net asset value and redemption price per share	\$13.15	\$12.78	\$12.19	\$11.57
Class R4				
Net assets	\$3,204,579	\$840,170	\$4,007,719	\$5,757,110
Shares outstanding	244,575	65,823	329,082	498,087
Net asset value, offering price and redemption price per share	\$13.10	\$12.76	\$12.18	\$11.56
Class R6				
Net assets	\$127,941,759	\$171,370,037	\$185,605,063	\$207,421,587
Shares outstanding	9,739,721	13,431,101	15,250,482	17,940,301
Net asset value, offering price and redemption price per share	\$13.14	\$12.76	\$12.17	\$11.56
Class 1				
Net assets	\$317,599,767	\$363,109,987	\$436,870,205	\$416,208,528
Shares outstanding	24,190,184	28,461,112	35,880,070	36,019,260
Net asset value, offering price and redemption price per share	\$13.13	\$12.76	\$12.18	\$11.56
Maximum offering price per share				
Class A (net asset value per share ÷ 95%) ²	\$13.84	\$13.45	\$12.83	\$12.18

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

	2025 Lifetime Blend Portfolio	2020 Lifetime Blend Portfolio	2015 Lifetime Blend Portfolio	2010 Lifetime Blend Portfolio
Assets				
Unaffiliated investments, at value (including securites loaned)	\$320,814,305	\$162,993,491	\$51,047,074	\$36,925,885
Affiliated investments, at value	290,257,615	114,892,227	35,531,607	23,720,194
Total investments, at value	611,071,920	277,885,718	86,578,681	60,646,079
Dividends and interest receivable	404,279	203,470	71,031	51,547
Receivable for fund shares sold	140,193	393,170	21,552	5,730
Receivable for investments sold	13,157,506	6,583,963	2,296,564	1,622,273
Receivable for securities lending income	1,867	577	350	273
Receivable from affiliates	6,429	3,177	1,716	1,668
Other assets	55,887	40,260	35,166	32,150
Total assets	624,838,081	285,110,335	89,005,060	62,359,720
Liabilities				
Due to custodian	553,087	5,770,950	2,293,419	1,617,524
Line of credit payable	10,000,000	—	—	—
Payable for investments purchased	2,675,608	1,006,747	60,715	39,263
Payable for fund shares repurchased	452,724	354,033	9,300	11,832
Payable upon return of securities loaned	10,340,160	—	—	—
Payable to affiliates	—	—	—	—
Accounting and legal services fees	33,963	15,859	4,933	3,418
Transfer agent fees	17,397	9,699	2,864	1,153
Distribution and service fees	167	101	13	4
Trustees' fees	295	148	43	32
Other liabilities and accrued expenses	34,743	31,976	30,221	30,241
Total liabilities	24,108,144	7,189,513	2,401,508	1,703,467
Net assets	\$600,729,937	\$277,920,822	\$86,603,552	\$60,656,253
Net assets consist of				
Paid-in capital	\$609,797,925	\$286,576,996	\$89,392,323	\$63,312,075
Total distributable earnings (loss)	(9,067,988)	(8,656,174)	(2,788,771)	(2,655,822)
Net assets	\$600,729,937	\$277,920,822	\$86,603,552	\$60,656,253
Unaffiliated investments, at cost	\$309,026,100	\$157,941,087	\$49,874,605	\$36,037,709
Affiliated investments, at cost	278,427,510	110,477,763	33,950,696	22,841,113
Total investments, at cost	587,453,610	268,418,850	83,825,301	58,878,822
Securities loaned, at value	\$10,136,472	—	—	—
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	\$187,094,765	\$103,359,889	\$29,992,660	\$12,075,297
Shares outstanding	17,095,385	9,909,238	2,999,734	1,243,525
Net asset value and redemption price per share	\$10.94	\$10.43	\$10.00	\$9.71
Class R4				
Net assets	\$2,170,066	\$1,319,189	\$127,549	\$96,204
Shares outstanding	198,550	126,719	12,776	9,923
Net asset value, offering price and redemption price per share	\$10.93	\$10.41	\$9.98	\$9.70
Class R6				
Net assets	\$141,417,662	\$57,564,163	\$23,902,344	\$13,122,125
Shares outstanding	12,934,957	5,519,809	2,392,116	1,352,597
Net asset value, offering price and redemption price per share	\$10.93	\$10.43	\$9.99	\$9.70
Class 1				
Net assets	\$270,047,444	\$115,677,581	\$32,580,999	\$35,362,627
Shares outstanding	24,721,396	11,105,022	3,261,732	3,647,631
Net asset value, offering price and redemption price per share	\$10.92	\$10.42	\$9.99	\$9.69
Maximum offering price per share				
Class A (net asset value per share ÷ 95%) ²	\$11.52	\$10.98	\$10.53	\$10.22

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

	2065 Lifetime Blend Portfolio	2060 Lifetime Blend Portfolio	2055 Lifetime Blend Portfolio	2050 Lifetime Blend Portfolio
Investment income				
Dividends from affiliated investments	\$616,147	\$2,173,333	\$3,914,686	\$5,112,371
Dividends from unaffiliated investments	297,304	1,092,160	1,968,586	2,581,975
Interest	19,658	77,365	146,237	191,535
Securities lending	65	5,001	73	8,516
Total investment income	933,174	3,347,859	6,029,582	7,894,397
Expenses				
Investment management fees	65,537	240,992	434,808	569,535
Distribution and service fees	15,680	70,599	138,707	192,750
Accounting and legal services fees	5,830	21,459	38,701	50,679
Transfer agent fees	2,528	17,721	36,877	54,337
Trustees' fees	1,024	2,543	4,191	5,347
Custodian fees	13,840	13,840	13,840	13,840
State registration fees	27,446	28,176	30,781	32,118
Printing and postage	6,329	7,277	7,601	7,813
Professional fees	17,408	22,100	24,404	26,040
Other	6,435	7,637	8,885	9,327
Total expenses	162,057	432,344	738,795	961,786
Less expense reductions	(143,680)	(343,171)	(561,202)	(712,652)
Net expenses	18,377	89,173	177,593	249,134
Net investment income	914,797	3,258,686	5,851,989	7,645,263
Realized and unrealized gain (loss)				
Net realized gain (loss) on				
Unaffiliated investments	43,076	85,682	288,876	406,054
Affiliated investments	(34,077)	(75,297)	(104,863)	(139,992)
	8,999	10,385	184,013	266,062
Change in net unrealized appreciation (depreciation) of				
Unaffiliated investments	2,264,641	7,780,881	13,975,743	18,175,141
Affiliated investments	2,441,164	8,400,566	15,162,911	19,825,357
	4,705,805	16,181,447	29,138,654	38,000,498
Net realized and unrealized gain	4,714,804	16,191,832	29,322,667	38,266,560
Increase in net assets from operations	\$5,629,601	\$19,450,518	\$35,174,656	\$45,911,823

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

Continued

	2045 Lifetime Blend Portfolio	2040 Lifetime Blend Portfolio	2035 Lifetime Blend Portfolio	2030 Lifetime Blend Portfolio
Investment income				
Dividends from affiliated investments	\$6,189,870	\$6,179,278	\$6,756,108	\$5,918,158
Dividends from unaffiliated investments	3,438,261	4,464,612	6,264,544	7,445,651
Interest	297,526	450,576	677,104	778,686
Securities lending	2,630	20,706	34,044	74,107
Total investment income	9,928,287	11,115,172	13,731,800	14,216,602
Expenses				
Investment management fees	725,668	881,706	1,131,027	1,230,390
Distribution and service fees	239,482	248,349	299,931	313,821
Accounting and legal services fees	63,062	70,807	84,742	85,751
Transfer agent fees	66,156	68,275	80,314	87,559
Trustees' fees	6,667	7,411	8,869	9,023
Custodian fees	13,840	13,840	13,840	14,610
State registration fees	32,419	31,549	32,806	32,519
Printing and postage	7,722	7,677	7,723	7,747
Professional fees	27,812	28,723	30,657	30,835
Other	10,310	11,764	14,470	16,453
Total expenses	1,193,138	1,370,101	1,704,379	1,828,708
Less expense reductions	(871,518)	(971,187)	(1,157,179)	(1,161,413)
Net expenses	321,620	398,914	547,200	667,295
Net investment income	9,606,667	10,716,258	13,184,600	13,549,307
Realized and unrealized gain (loss)				
Net realized gain (loss) on				
Unaffiliated investments	816,138	(1,868,864)	(7,150,111)	(11,370,394)
Affiliated investments	(69,344)	92,501	15,981	(14,342)
	746,794	(1,776,363)	(7,134,130)	(11,384,736)
Change in net unrealized appreciation (depreciation) of				
Unaffiliated investments	20,384,848	23,882,036	30,077,802	30,311,966
Affiliated investments	23,401,739	23,814,671	25,196,670	21,965,112
	43,786,587	47,696,707	55,274,472	52,277,078
Net realized and unrealized gain	44,533,381	45,920,344	48,140,342	40,892,342
Increase in net assets from operations	\$54,140,048	\$56,636,602	\$61,324,942	\$54,441,649

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

Continued

	2025 Lifetime Blend Portfolio	2020 Lifetime Blend Portfolio	2015 Lifetime Blend Portfolio	2010 Lifetime Blend Portfolio
Investment income				
Dividends from affiliated investments	\$3,705,983	\$1,245,444	\$332,321	\$190,631
Dividends from unaffiliated investments	7,116,598	3,860,382	1,233,460	938,805
Interest	636,019	298,166	87,394	61,513
Securities lending	54,606	51,109	23,762	16,515
Total investment income	11,513,206	5,455,101	1,676,937	1,207,464
Expenses				
Investment management fees	1,082,970	561,721	175,766	130,637
Distribution and service fees	314,462	173,564	49,101	25,674
Accounting and legal services fees	67,711	32,074	9,799	7,007
Transfer agent fees	101,532	58,892	17,001	6,978
Trustees' fees	7,409	3,849	1,481	1,213
Custodian fees	14,610	14,610	14,610	14,610
State registration fees	33,081	29,812	26,095	23,955
Printing and postage	7,633	6,987	6,383	6,355
Professional fees	28,675	23,840	20,651	20,280
Other	22,529	15,383	8,078	8,970
Total expenses	1,680,612	920,732	328,965	245,679
Less expense reductions	(891,570)	(447,497)	(182,863)	(149,616)
Net expenses	789,042	473,235	146,102	96,063
Net investment income	10,724,164	4,981,866	1,530,835	1,111,401
Realized and unrealized gain (loss)				
Net realized gain (loss) on				
Unaffiliated investments	(11,797,320)	(7,852,854)	(1,987,810)	(1,189,288)
Affiliated investments	109,997	(78,662)	(6,056)	(32,364)
	(11,687,323)	(7,931,516)	(1,993,866)	(1,221,652)
Change in net unrealized appreciation (depreciation) of				
Unaffiliated investments	25,224,931	14,031,340	3,731,092	2,340,155
Affiliated investments	12,063,536	3,915,883	1,117,420	593,215
	37,288,467	17,947,223	4,848,512	2,933,370
Net realized and unrealized gain	25,601,144	10,015,707	2,854,646	1,711,718
Increase in net assets from operations	\$36,325,308	\$14,997,573	\$4,385,481	\$2,823,119

STATEMENTS OF CHANGES IN NET ASSETS

	2065 Lifetime Blend Portfolio		2060 Lifetime Blend Portfolio		2055 Lifetime Blend 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	\$914,797	\$420,410	\$3,258,686	\$2,349,641	\$5,851,989	\$4,606,718
Net realized gain (loss)	8,999	(403,243)	10,385	(4,588,661)	184,013	(10,032,351)
Change in net unrealized appreciation (depreciation)	4,705,805	3,109,145	16,181,447	16,854,492	29,138,654	32,830,058
Increase in net assets resulting from operations	5,629,601	3,126,312	19,450,518	14,615,472	35,174,656	27,404,425
Distributions to shareholders						
From earnings						
Class A	(73,989)	(19,743)	(526,226)	(851,383)	(1,105,936)	(2,254,756)
Class R4	(1,200)	(4,727)	(18,443)	(139,187)	(25,746)	(344,963)
Class R6	(140,430)	(11,283)	(927,334)	(2,342,254)	(1,571,578)	(5,771,830)
Class 1	(812,912)	(319,704)	(2,315,913)	(4,888,811)	(4,123,567)	(11,181,753)
Total distributions	(1,028,531)	(355,457)	(3,787,916)	(8,221,635)	(6,826,827)	(19,553,302)
Portfolio share transactions						
From portfolio share transactions	9,479,552	21,878,944	18,093,482	44,068,094	31,730,144	57,036,524
Total increase	14,080,622	24,649,799	33,756,084	50,461,931	60,077,973	64,887,647
Net assets						
Beginning of period	42,639,037	17,989,238	167,947,054	117,485,123	303,089,087	238,201,440
End of period	\$56,719,659	\$42,639,037	\$201,703,138	\$167,947,054	\$363,167,060	\$303,089,087

STATEMENTS OF CHANGES IN NET ASSETS

Continued

	2050 Lifetime Blend Portfolio		2045 Lifetime Blend Portfolio		2040 Lifetime Blend 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	\$7,645,263	\$6,222,218	\$9,606,667	\$8,074,787	\$10,716,258	\$9,370,146
Net realized gain (loss)	266,062	(14,902,418)	746,794	(17,202,069)	(1,776,363)	(16,239,736)
Change in net unrealized appreciation (depreciation)	38,000,498	44,839,229	43,786,587	53,822,469	47,696,707	50,511,572
Increase in net assets resulting from operations	45,911,823	36,159,029	54,140,048	44,695,187	56,636,602	43,641,982
Distributions to shareholders						
From earnings						
Class A	(1,634,182)	(3,292,512)	(2,043,737)	(4,316,129)	(2,150,073)	(4,330,814)
Class R4	(28,364)	(459,664)	(59,673)	(499,496)	(16,055)	(483,909)
Class R6	(2,149,020)	(7,914,662)	(2,662,287)	(9,799,538)	(3,198,210)	(8,136,302)
Class I	(5,134,331)	(13,098,720)	(6,708,768)	(18,160,164)	(7,818,338)	(19,939,303)
Total distributions	(8,945,897)	(24,765,558)	(11,474,465)	(32,775,327)	(13,182,676)	(32,890,328)
Portfolio share transactions						
From portfolio share transactions	33,735,769	63,725,505	26,875,828	82,479,328	59,733,136	111,565,169
Total increase	70,701,695	75,118,976	69,541,411	94,399,188	103,187,062	122,316,823
Net assets						
Beginning of period	399,147,401	324,028,425	503,680,655	409,281,467	558,462,035	436,145,212
End of period	\$469,849,096	\$399,147,401	\$573,222,066	\$503,680,655	\$661,649,097	\$558,462,035

STATEMENTS OF CHANGES IN NET ASSETS

Continued

	2035 Lifetime Blend Portfolio		2030 Lifetime Blend Portfolio		2025 Lifetime Blend 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	\$13,184,600	\$12,279,873	\$13,549,307	\$13,772,647	\$10,724,164	\$12,827,963
Net realized loss	(7,134,130)	(18,312,389)	(11,384,736)	(17,216,841)	(11,687,323)	(17,259,156)
Change in net unrealized appreciation (depreciation)	55,274,472	52,024,902	52,277,078	42,539,758	37,288,467	31,958,401
Increase in net assets resulting from operations	61,324,942	45,992,386	54,441,649	39,095,564	36,325,308	27,527,208
Distributions to shareholders						
From earnings						
Class A	(2,785,886)	(4,782,725)	(3,329,351)	(5,622,940)	(4,352,731)	(5,905,008)
Class R4	(86,043)	(662,378)	(142,833)	(741,644)	(63,530)	(350,594)
Class R6	(4,160,843)	(8,497,312)	(4,834,947)	(8,073,904)	(3,799,374)	(5,762,510)
Class 1	(10,311,659)	(23,951,005)	(10,594,643)	(24,258,898)	(8,178,918)	(15,775,618)
Total distributions	(17,344,431)	(37,893,420)	(18,901,774)	(38,697,386)	(16,394,553)	(27,793,730)
Portfolio share transactions						
From portfolio share transactions	53,566,912	156,086,990	69,618,736	167,423,023	28,701,643	114,237,405
Total increase	97,547,423	164,185,956	105,158,611	167,821,201	48,632,398	113,970,883
Net assets						
Beginning of period	676,150,055	511,964,099	683,140,082	515,318,881	552,097,539	438,126,656
End of period	\$773,697,478	\$676,150,055	\$788,298,693	\$683,140,082	\$600,729,937	\$552,097,539

STATEMENTS OF CHANGES IN NET ASSETS

Continued

	2020 Lifetime Blend Portfolio		2015 Lifetime Blend Portfolio		2010 Lifetime Blend 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	\$4,981,866	\$6,756,035	\$1,530,835	\$2,065,050	\$1,111,401	\$1,550,563
Net realized loss	(7,931,516)	(7,654,532)	(1,993,866)	(2,603,171)	(1,221,652)	(2,313,342)
Change in net unrealized appreciation (depreciation)	17,947,223	12,452,078	4,848,512	3,914,655	2,933,370	2,964,320
Increase in net assets resulting from operations	14,997,573	11,553,581	4,385,481	3,376,534	2,823,119	2,201,541
Distributions to shareholders						
From earnings						
Class A	(2,768,280)	(3,189,277)	(774,011)	(817,369)	(342,535)	(405,522)
Class R4	(48,230)	(173,321)	(3,550)	(26,859)	(3,031)	(11,387)
Class R6	(1,690,073)	(2,418,735)	(710,321)	(707,085)	(346,128)	(318,850)
Class 1	(3,627,841)	(5,625,441)	(1,061,995)	(1,532,747)	(1,192,562)	(1,726,825)
Total distributions	(8,134,424)	(11,406,774)	(2,549,877)	(3,084,060)	(1,884,256)	(2,462,584)
Portfolio share transactions						
From portfolio share transactions	1,336,511	51,074,592	6,292,725	14,741,350	431,001	14,793,265
Total increase	8,199,660	51,221,399	8,128,329	15,033,824	1,369,864	14,532,222
Net assets						
Beginning of period	269,721,162	218,499,763	78,475,223	63,441,399	59,286,389	44,754,167
End of period	\$277,920,822	\$269,721,162	\$86,603,552	\$78,475,223	\$60,656,253	\$59,286,389

Financial highlights

2065 Lifetime Blend 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	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ⁵			
2065 Lifetime Blend Portfolio															
Class A															
02-29-2024 ⁵	12.15	0.20	1.05	1.25	(0.22)	—	(0.22)	13.18	10.37 ^{6,7}	1.02 ⁸	0.42 ⁸	2.06 ⁸	5,023	17	
08-31-2023	11.15	0.13	1.00	1.13	(0.13)	—	(0.13)	12.15	10.32 ⁷	1.22	0.42	1.16	3,032	12	
08-31-2022	13.52	0.07 ^{9,11}	(2.16)	(2.09)	(0.12)	(0.16)	(0.28)	11.15	(15.86) ⁷	1.66	0.42	0.61	1,417	89	
08-31-2021 ¹⁰	12.85	— ^{9,11}	0.67	0.67	—	—	—	13.52	5.21 ^{6,7}	8.46 ⁸	0.41 ⁸	0.06 ⁸	225	19 ¹²	
Class R4															
02-29-2024 ⁵	12.15	0.13	1.13	1.26	(0.24)	—	(0.24)	13.17	10.44 ⁶	0.92 ⁸	0.23 ⁸	0.83 ⁸	66	17	
08-31-2023	11.15	0.16	0.99	1.15	(0.15)	—	(0.15)	12.15	10.52	1.15	0.25	1.41	476	12	
08-31-2022	13.51	0.15 ⁹	(2.21)	(2.06)	(0.14)	(0.16)	(0.30)	11.15	(15.66)	1.57	0.23	1.26	292	89	
08-31-2021 ¹³	10.00	0.11 ⁹	3.50	3.61	(0.10)	—	(0.10)	13.51	36.28 ⁶	8.34 ⁸	0.19 ⁸	0.99 ⁸	204	19	
Class R6															
02-29-2024 ⁵	12.15	0.23	1.04	1.27	(0.27)	—	(0.27)	13.15	10.53 ⁶	0.60 ⁸	0.01 ⁸	2.54 ⁸	8,098	17	
08-31-2023	11.15	0.12	1.06	1.18	(0.18)	—	(0.18)	12.15	10.78	0.82	0.01	1.01	4,303	12	
08-31-2022	13.52	0.19 ⁹	(2.23)	(2.04)	(0.17)	(0.16)	(0.33)	11.15	(15.52)	1.25	0.01	1.61	410	89	
08-31-2021 ¹³	10.00	0.17 ⁹	3.45	3.62	(0.10)	—	(0.10)	13.52	36.44 ⁶	8.06 ⁸	0.01 ⁸	1.52 ⁸	68	19	
Class 1															
02-29-2024 ⁵	12.16	0.23	1.03	1.26	(0.26)	—	(0.26)	13.16	10.48 ⁶	0.64 ⁸	0.05 ⁸	2.55 ⁸	43,532	17	
08-31-2023	11.16	0.18	0.99	1.17	(0.17)	—	(0.17)	12.16	10.72	0.86	0.06	1.55	34,828	12	
08-31-2022	13.52	0.16 ⁹	(2.19)	(2.03)	(0.17)	(0.16)	(0.33)	11.16	(15.48)	1.29	0.05	1.34	15,871	89	
08-31-2021 ¹³	10.00	0.07 ⁹	3.55	3.62	(0.10)	—	(0.10)	13.52	36.42 ⁶	8.10 ⁸	0.05 ⁸	0.58 ⁸	5,699	19	

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

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ 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 per share for the periods ended 8-31-22 and 8-31-21 and 0.01% and less than 0.005% for the period ended 8-31-22 and 8-31-21, respectively.

¹⁰ The inception date for Class A shares is 6-21-21.

¹¹ Less than \$0.005 per share.

¹² Portfolio turnover is shown for the period from 9-23-20 to 8-31-21.

¹³ Period from 9-23-20 (commencement of operations) to 8-31-21.

2060 Lifetime Blend 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	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 (%) ⁴	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ⁶		
2060 Lifetime Blend Portfolio														
Class A														
02-29-2024 ⁵	13.48	0.22	1.16	1.38	(0.25)	—	(0.25)	14.61	10.31 ^{6, 7}	0.81 ⁸	0.42 ⁸	2.07 ⁸	33,832	13
08-31-2023	12.97	0.16	1.09	1.25	(0.16)	(0.58)	(0.74)	13.48	10.37 ⁷	0.82	0.42	1.23	23,628	25
08-31-2022	16.14	0.13 ⁹	(2.55)	(2.42)	(0.17)	(0.58)	(0.75)	12.97	(15.84) ⁷	0.84	0.42	0.94	10,978	81
08-31-2021 ¹⁰	15.35	(0.01)	0.80	0.79	—	—	—	16.14	5.15 ^{6, 7}	0.88 ⁸	0.41 ⁸	(0.24) ⁸	1,905	15 ¹¹
Class R4														
02-29-2024 ⁵	13.48	0.18	1.21	1.39	(0.27)	—	(0.27)	14.60	10.40 ⁶	0.74 ⁸	0.25 ⁸	1.46 ⁸	1,043	13
08-31-2023	12.97	0.19	1.08	1.27	(0.18)	(0.58)	(0.76)	13.48	10.55	0.76	0.27	1.46	3,050	25
08-31-2022	16.14	0.19 ⁹	(2.58)	(2.39)	(0.20)	(0.58)	(0.78)	12.97	(15.70)	0.78	0.26	1.31	2,006	81
08-31-2021	12.95	0.13	3.48	3.61	(0.18)	(0.24)	(0.42)	16.14	28.37	0.83	0.26	0.85	1,726	15
08-31-2020	12.06	0.13	1.59	1.72	(0.26)	(0.57)	(0.83)	12.95	14.56	1.02	0.24	1.16	376	32
08-31-2019	12.89	0.24 ⁹	(0.35)	(0.11)	(0.21)	(0.51)	(0.72)	12.06	(0.04)	1.00	0.16	1.97 ⁹	53	13
Class R6														
02-29-2024 ⁵	13.49	0.25	1.16	1.41	(0.30)	—	(0.30)	14.60	10.57 ⁶	0.39 ⁸	0.01 ⁸	2.45 ⁸	49,725	13
08-31-2023	12.98	0.25	1.06	1.31	(0.22)	(0.58)	(0.80)	13.49	10.84	0.42	0.02	1.98	33,344	25
08-31-2022	16.16	0.22 ⁹	(2.59)	(2.37)	(0.23)	(0.58)	(0.81)	12.98	(15.54)	0.43	0.01	1.50	32,711	81
08-31-2021	12.96	0.19	3.46	3.65	(0.21)	(0.24)	(0.45)	16.16	28.68	0.48	0.01	1.31	23,276	15
08-31-2020	12.06	0.22	1.53	1.75	(0.28)	(0.57)	(0.85)	12.96	14.84	0.70	—	1.90	8,365	32
08-31-2019	12.90	0.22 ⁹	(0.32)	(0.10)	(0.23)	(0.51)	(0.74)	12.06	0.08	0.75	—	1.88 ⁹	2,758	13
Class 1														
02-29-2024 ⁵	13.49	0.25	1.16	1.41	(0.30)	—	(0.30)	14.60	10.53 ⁶	0.44 ⁸	0.05 ⁸	2.54 ⁸	117,103	13
08-31-2023	12.98	0.21	1.09	1.30	(0.21)	(0.58)	(0.79)	13.49	10.78	0.46	0.06	1.65	107,925	25
08-31-2022	16.15	0.22 ⁹	(2.58)	(2.36)	(0.23)	(0.58)	(0.81)	12.98	(15.52)	0.47	0.05	1.52	71,791	81
08-31-2021	12.96	0.20	3.43	3.63	(0.20)	(0.24)	(0.44)	16.15	28.54	0.52	0.05	1.39	67,257	15
08-31-2020	12.06	0.25	1.50	1.75	(0.28)	(0.57)	(0.85)	12.96	14.77	0.73	0.05	2.08	36,437	32
08-31-2019	12.90	0.23 ⁹	(0.33)	(0.10)	(0.23)	(0.51)	(0.74)	12.06	0.03	0.78	0.05	1.92 ⁹	24,271	13

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

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ 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 per share for the periods ended 8-31-22 and 8-31-19 and 0.01% and 0.01% for the periods ended 8-31-22 and 8-31-19, respectively.

¹⁰ The inception date for Class A shares is 6-21-21.

¹¹ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

Financial highlights continued

2055 Lifetime Blend 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	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ⁵		
2055 Lifetime Blend Portfolio														
Class A														
02-29-2024 ⁵	12.33	0.20	1.07	1.27	(0.23)	—	(0.23)	13.37	10.35 ^{6,7}	0.77 ⁸	0.42 ⁸	2.07 ⁸	71,709	12
08-31-2023	12.04	0.14	0.99	1.13	(0.15)	(0.69)	(0.84)	12.33	10.29 ⁷	0.77	0.43	1.22	50,736	29
08-31-2022	15.05	0.13 ⁹	(2.37)	(2.24)	(0.16)	(0.61)	(0.77)	12.04	(15.78) ⁷	0.76	0.42	1.00	23,337	79
08-31-2021 ¹⁰	14.31	(0.01)	0.75	0.74	—	—	—	15.05	5.17 ^{6,7}	0.76 ⁸	0.41 ⁸	(0.27) ⁸	4,336	15 ¹¹
Class R4														
02-29-2024 ⁵	12.31	0.15	1.12	1.27	(0.25)	—	(0.25)	13.33	10.36 ⁶	0.70 ⁸	0.26 ⁸	1.25 ⁸	1,396	12
08-31-2023	12.01	0.18	0.98	1.16	(0.17)	(0.69)	(0.86)	12.31	10.57	0.72	0.27	1.51	5,677	29
08-31-2022	15.03	0.18 ⁹	(2.41)	(2.23)	(0.18)	(0.61)	(0.79)	12.01	(15.73)	0.71	0.26	1.36	4,586	79
08-31-2021	12.15	0.15	3.21	3.36	(0.17)	(0.31)	(0.48)	15.03	28.26	0.71	0.26	1.11	5,128	15
08-31-2020	11.48	0.06	1.58	1.64	(0.25)	(0.72)	(0.97)	12.15	14.67	0.76	0.26	0.57	2,219	28
08-31-2019	12.71	0.23 ⁹	(0.40)	(0.17)	(0.23)	(0.83)	(1.06)	11.48	(0.14)	0.65	0.16	1.96 ⁹	52	18
Class R6														
02-29-2024 ⁵	12.32	0.23	1.06	1.29	(0.28)	—	(0.28)	13.33	10.53 ⁶	0.36 ⁸	0.01 ⁸	2.48 ⁸	83,908	12
08-31-2023	12.03	0.25	0.93	1.18	(0.20)	(0.69)	(0.89)	12.32	10.77	0.37	0.02	2.09	53,947	29
08-31-2022	15.05	0.21 ⁹	(2.40)	(2.19)	(0.22)	(0.61)	(0.83)	12.03	(15.51)	0.36	0.01	1.56	69,354	79
08-31-2021	12.16	0.19	3.20	3.39	(0.19)	(0.31)	(0.50)	15.05	28.60	0.36	0.01	1.39	57,666	15
08-31-2020	11.48	0.23	1.44	1.67	(0.27)	(0.72)	(0.99)	12.16	14.95	0.42	—	2.04	24,431	28
08-31-2019	12.71	0.21 ⁹	(0.36)	(0.15)	(0.25)	(0.83)	(1.08)	11.48	0.06	0.40	—	1.86 ⁹	10,711	18
Class 1														
02-29-2024 ⁵	12.33	0.23	1.06	1.29	(0.27)	—	(0.27)	13.35	10.56 ⁶	0.40 ⁸	0.05 ⁸	2.52 ⁸	206,154	12
08-31-2023	12.04	0.20	0.98	1.18	(0.20)	(0.69)	(0.89)	12.33	10.70	0.41	0.06	1.69	192,729	29
08-31-2022	15.06	0.21 ⁹	(2.40)	(2.19)	(0.22)	(0.61)	(0.83)	12.04	(15.53)	0.40	0.05	1.54	140,924	79
08-31-2021	12.16	0.19	3.21	3.40	(0.19)	(0.31)	(0.50)	15.06	28.63	0.40	0.05	1.42	144,622	15
08-31-2020	11.49	0.24	1.42	1.66	(0.27)	(0.72)	(0.99)	12.16	14.78	0.46	0.05	2.13	90,699	28
08-31-2019	12.72	0.23 ⁹	(0.39)	(0.16)	(0.24)	(0.83)	(1.07)	11.49	0.00 ¹²	0.44	0.05	2.01 ⁹	71,469	18

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

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ 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 per share and 0.01% for the periods ended 8-31-22 and 8-31-19.

¹⁰ The inception date for Class A shares is 6-21-21.

¹¹ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

¹² Less than 0.005%.

2050 Lifetime Blend 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	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ⁵		
2050 Lifetime Blend Portfolio														
Class A														
02-29-2024 ⁵	12.48	0.21	1.06	1.27	(0.23)	—	(0.23)	13.52	10.26 ^{6,7}	0.76 ⁸	0.42 ⁸	2.13 ⁸	101,364	12
08-31-2023	12.11	0.15	1.01	1.16	(0.16)	(0.63)	(0.79)	12.48	10.40 ⁷	0.76	0.43	1.28	75,211	32
08-31-2022	15.16	0.12 ⁹	(2.38)	(2.26)	(0.16)	(0.63)	(0.79)	12.11	(15.84) ⁷	0.75	0.42	0.91	37,655	80
08-31-2021 ¹⁰	14.41	(0.01)	0.76	0.75	—	—	—	15.16	5.20 ^{6,7}	0.74 ⁸	0.41 ⁸	(0.28) ⁸	4,180	17 ¹¹
Class R4														
02-29-2024 ⁵	12.46	0.15	1.14	1.29	(0.25)	—	(0.25)	13.50	10.44 ⁶	0.69 ⁸	0.25 ⁸	1.12 ⁸	1,583	12
08-31-2023	12.10	0.18	0.99	1.17	(0.18)	(0.63)	(0.81)	12.46	10.49	0.70	0.27	1.53	7,787	32
08-31-2022	15.14	0.19 ⁹	(2.42)	(2.23)	(0.18)	(0.63)	(0.81)	12.10	(15.65)	0.69	0.26	1.36	6,648	80
08-31-2021	12.27	0.14	3.25	3.39	(0.17)	(0.35)	(0.52)	15.14	28.30	0.69	0.26	0.99	7,284	17
08-31-2020	11.61	0.10	1.56	1.66	(0.25)	(0.75)	(1.00)	12.27	14.61	0.73	0.26	0.95	2,351	30
08-31-2019	12.85	0.10 ⁹	(0.28)	(0.18)	(0.23)	(0.83)	(1.06)	11.61	(0.18)	0.68	0.24	0.87 ⁹	241	19
Class R6														
02-29-2024 ⁵	12.46	0.23	1.07	1.30	(0.28)	—	(0.28)	13.48	10.53 ⁶	0.35 ⁸	0.01 ⁸	2.41 ⁸	111,741	12
08-31-2023	12.11	0.25	0.94	1.19	(0.21)	(0.63)	(0.84)	12.46	10.71	0.35	0.02	2.11	74,465	32
08-31-2022	15.15	0.21 ⁹	(2.40)	(2.19)	(0.22)	(0.63)	(0.85)	12.11	(15.43)	0.34	0.01	1.57	103,056	80
08-31-2021	12.28	0.19	3.23	3.42	(0.20)	(0.35)	(0.55)	15.15	28.55	0.34	0.01	1.42	94,579	17
08-31-2020	11.62	0.24	1.45	1.69	(0.28)	(0.75)	(1.03)	12.28	14.89	0.38	—	2.09	48,478	30
08-31-2019	12.85	0.23 ⁹	(0.38)	(0.15)	(0.25)	(0.83)	(1.08)	11.62	0.11	0.36	—	1.98 ⁹	26,188	19
Class 1														
02-29-2024 ⁵	12.48	0.23	1.07	1.30	(0.28)	—	(0.28)	13.50	10.48 ⁶	0.39 ⁸	0.05 ⁸	2.55 ⁸	255,162	12
08-31-2023	12.11	0.20	1.00	1.20	(0.20)	(0.63)	(0.83)	12.48	10.82	0.40	0.06	1.69	241,685	32
08-31-2022	15.16	0.21 ⁹	(2.42)	(2.21)	(0.21)	(0.63)	(0.84)	12.11	(15.52)	0.38	0.05	1.53	176,669	80
08-31-2021	12.28	0.19	3.23	3.42	(0.19)	(0.35)	(0.54)	15.16	28.59	0.38	0.05	1.42	171,428	17
08-31-2020	11.62	0.25	1.43	1.68	(0.27)	(0.75)	(1.02)	12.28	14.82	0.42	0.05	2.16	109,857	30
08-31-2019	12.85	0.23 ⁹	(0.38)	(0.15)	(0.25)	(0.83)	(1.08)	11.62	0.05	0.39	0.05	2.01 ⁹	91,692	19

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

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ 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 per share and 0.01% for the periods ended 8-31-22 and 8-31-19.

¹⁰ The inception date for Class A shares is 6-21-21.

¹¹ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

Financial highlights continued

2045 Lifetime Blend 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	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ⁵			
2045 Lifetime Blend Portfolio															
Class A															
02-29-2024 ⁵	12.19	0.20	1.00	1.20	(0.24)	—	(0.24)	13.15	9.87 ^{6,7}	0.76 ⁸	0.43 ⁸	2.14 ⁸	124,476	15	
08-31-2023	11.94	0.15	0.93	1.08	(0.16)	(0.67)	(0.83)	12.19	9.92 ⁷	0.76	0.43	1.32	94,673	29	
08-31-2022	14.96	0.12 ⁹	(2.33)	(2.21)	(0.16)	(0.65)	(0.81)	11.94	(15.74) ⁷	0.74	0.42	0.94	44,758	80	
08-31-2021 ¹⁰	14.22	(0.01)	0.75	0.74	—	—	—	14.96	5.20 ^{6,7}	0.72 ⁸	0.41 ⁸	(0.28) ⁸	7,583	18 ¹¹	
Class R4															
02-29-2024 ⁵	12.16	0.17	1.02	1.19	(0.25)	—	(0.25)	13.10	9.89 ⁶	0.69 ⁸	0.26 ⁸	1.68 ⁸	3,205	15	
08-31-2023	11.91	0.19	0.91	1.10	(0.18)	(0.67)	(0.85)	12.16	10.11	0.70	0.27	1.59	7,909	29	
08-31-2022	14.93	0.19 ⁹	(2.38)	(2.19)	(0.18)	(0.65)	(0.83)	11.91	(15.63)	0.68	0.26	1.38	6,716	80	
08-31-2021	12.11	0.15	3.19	3.34	(0.17)	(0.35)	(0.52)	14.93	28.31	0.67	0.26	1.12	7,411	18	
08-31-2020	11.49	0.13	1.51	1.64	(0.26)	(0.76)	(1.02)	12.11	14.67	0.70	0.27	1.18	3,188	33	
08-31-2019	12.76	0.20 ⁹	(0.38)	(0.18)	(0.23)	(0.86)	(1.09)	11.49	(0.11)	0.60	0.18	1.72 ⁹	50	19	
Class R6															
02-29-2024 ⁵	12.20	0.22	1.00	1.22	(0.28)	—	(0.28)	13.14	10.11 ⁶	0.34 ⁸	0.01 ⁸	2.50 ⁸	127,942	15	
08-31-2023	11.95	0.25	0.88	1.13	(0.21)	(0.67)	(0.88)	12.20	10.38	0.35	0.02	2.13	90,644	29	
08-31-2022	14.97	0.22 ⁹	(2.37)	(2.15)	(0.22)	(0.65)	(0.87)	11.95	(15.39)	0.33	0.01	1.60	122,435	80	
08-31-2021	12.14	0.20	3.18	3.38	(0.20)	(0.35)	(0.55)	14.97	28.59	0.32	0.01	1.44	116,109	18	
08-31-2020	11.51	0.24	1.43	1.67	(0.28)	(0.76)	(1.04)	12.14	14.94	0.35	—	2.16	66,299	33	
08-31-2019	12.77	0.22 ⁹	(0.37)	(0.15)	(0.25)	(0.86)	(1.11)	11.51	0.09	0.33	—	1.96 ⁹	44,013	19	
Class 1															
02-29-2024 ⁵	12.19	0.23	0.99	1.22	(0.28)	—	(0.28)	13.13	10.08 ⁶	0.39 ⁸	0.06 ⁸	2.62 ⁸	317,600	15	
08-31-2023	11.94	0.21	0.92	1.13	(0.21)	(0.67)	(0.88)	12.19	10.33	0.39	0.06	1.75	310,455	29	
08-31-2022	14.96	0.21 ⁹	(2.37)	(2.16)	(0.21)	(0.65)	(0.86)	11.94	(15.43)	0.37	0.05	1.56	235,373	80	
08-31-2021	12.13	0.19	3.19	3.38	(0.20)	(0.35)	(0.55)	14.96	28.56	0.36	0.05	1.41	241,713	18	
08-31-2020	11.50	0.24	1.42	1.66	(0.27)	(0.76)	(1.03)	12.13	14.89	0.39	0.05	2.15	142,635	33	
08-31-2019	12.76	0.23 ⁹	(0.39)	(0.16)	(0.24)	(0.86)	(1.10)	11.50	0.03	0.37	0.05	2.02 ⁹	120,446	19	

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

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ 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 per share and 0.01% for the periods ended 8-31-22 and 8-31-19.

¹⁰ The inception date for Class A shares is 6-21-21.

¹¹ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

2040 Lifetime Blend 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 (%) ⁷	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ⁵		
2040 Lifetime Blend Portfolio														
Class A														
02-29-2024 ⁵	11.93	0.20	0.89	1.09	(0.24)	—	(0.24)	12.78	9.06 ^{6,7}	0.78 ⁸	0.45 ⁸	2.32 ⁸	126,329	17
08-31-2023	11.77	0.17	0.77	0.94	(0.16)	(0.62)	(0.78)	11.93	8.72 ⁷	0.78	0.45	1.50	97,674	23
08-31-2022	14.71	0.14	(2.29)	(2.15)	(0.17)	(0.62)	(0.79)	11.77	(15.55) ⁷	0.76	0.43	1.11	48,066	75
08-31-2021 ⁹	14.02	(0.01)	0.70	0.69	—	—	—	14.71	4.92 ^{6,7}	0.74 ⁸	0.41 ⁸	(0.21) ⁸	7,706	20 ¹⁰
Class R4														
02-29-2024 ⁵	11.93	0.14	0.94	1.08	(0.25)	—	(0.25)	12.76	9.14 ⁶	0.71 ⁸	0.28 ⁸	1.30 ⁸	840	17
08-31-2023	11.77	0.20	0.76	0.96	(0.18)	(0.62)	(0.80)	11.93	8.88	0.72	0.29	1.76	7,572	23
08-31-2022	14.71	0.20	(2.32)	(2.12)	(0.20)	(0.62)	(0.82)	11.77	(15.40)	0.70	0.27	1.49	7,079	75
08-31-2021	12.12	0.13	3.05	3.18	(0.18)	(0.41)	(0.59)	14.71	26.96	0.68	0.26	0.95	7,774	20
08-31-2020	11.50	0.08	1.57	1.65	(0.26)	(0.77)	(1.03)	12.12	14.75	0.69	0.26	0.77	1,808	41
08-31-2019	12.79	0.23 ¹¹	(0.38)	(0.15)	(0.23)	(0.91)	(1.14)	11.50	0.11	0.58	0.17	1.96 ¹¹	54	18
Class R6														
02-29-2024 ⁵	11.94	0.21	0.89	1.10	(0.28)	—	(0.28)	12.76	9.30 ⁶	0.36 ⁸	0.03 ⁸	2.54 ⁸	171,370	17
08-31-2023	11.78	0.25	0.74	0.99	(0.21)	(0.62)	(0.83)	11.94	9.18	0.37	0.04	2.13	111,762	23
08-31-2022	14.72	0.23	(2.32)	(2.09)	(0.23)	(0.62)	(0.85)	11.78	(15.19)	0.36	0.02	1.71	107,439	75
08-31-2021	12.13	0.20	3.00	3.20	(0.20)	(0.41)	(0.61)	14.72	27.21	0.33	0.01	1.50	101,995	20
08-31-2020	11.50	0.25	1.43	1.68	(0.28)	(0.77)	(1.05)	12.13	15.05	0.35	0.01	2.21	56,804	41
08-31-2019	12.80	0.23 ¹¹	(0.37)	(0.14)	(0.25)	(0.91)	(1.16)	11.50	0.23	0.33	—	2.01 ¹¹	37,168	18
Class 1														
02-29-2024 ⁵	11.93	0.22	0.89	1.11	(0.28)	—	(0.28)	12.76	9.35 ⁶	0.41 ⁸	0.08 ⁸	2.73 ⁸	363,110	17
08-31-2023	11.78	0.22	0.75	0.97	(0.20)	(0.62)	(0.82)	11.93	9.04	0.41	0.08	1.93	341,454	23
08-31-2022	14.72	0.22	(2.31)	(2.09)	(0.23)	(0.62)	(0.85)	11.78	(15.22)	0.40	0.06	1.67	273,561	75
08-31-2021	12.13	0.20	3.00	3.20	(0.20)	(0.41)	(0.61)	14.72	27.16	0.37	0.05	1.51	273,588	20
08-31-2020	11.50	0.25	1.42	1.67	(0.27)	(0.77)	(1.04)	12.13	14.98	0.39	0.06	2.23	171,471	41
08-31-2019	12.79	0.24 ¹¹	(0.38)	(0.14)	(0.24)	(0.91)	(1.15)	11.50	0.25	0.37	0.05	2.04 ¹¹	152,593	18

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

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 6-21-21.

¹⁰ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

¹¹ 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 per share and less than 0.005% for the period ended 8-31-19.

Financial highlights continued

2035 Lifetime Blend 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	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ²			
2035 Lifetime Blend Portfolio															
Class A															
02-29-2024 ⁵	11.50	0.20	0.74	0.94	(0.25)	—	(0.25)	12.19	8.14 ^{6, 7}	0.80 ⁸	0.47 ⁸	2.48 ⁸	147,214	23	
08-31-2023	11.45	0.19	0.60	0.79	(0.18)	(0.56)	(0.74)	11.50	7.55 ⁷	0.79	0.47	1.71	113,951	19	
08-31-2022	14.26	0.15	(2.20)	(2.05)	(0.17)	(0.59)	(0.76)	11.45	(15.29) ⁷	0.78	0.45	1.22	56,843	69	
08-31-2021 ⁹	13.64	— ¹⁰	0.62	0.62	—	—	—	14.26	4.55 ^{6, 7}	0.75 ⁸	0.43 ⁸	(0.09) ⁸	7,671	24 ¹¹	
Class R4															
02-29-2024 ⁵	11.49	0.18	0.78	0.96	(0.27)	—	(0.27)	12.18	8.39 ⁶	0.73 ⁸	0.30 ⁸	2.19 ⁸	4,008	23	
08-31-2023	11.45	0.22	0.58	0.80	(0.20)	(0.56)	(0.76)	11.49	7.61	0.73	0.31	1.94	11,484	19	
08-31-2022	14.26	0.21	(2.24)	(2.03)	(0.19)	(0.59)	(0.78)	11.45	(15.15)	0.72	0.29	1.62	9,617	69	
08-31-2021	12.00	0.16	2.69	2.85	(0.18)	(0.41)	(0.59)	14.26	24.47	0.70	0.27	1.24	10,690	24	
08-31-2020	11.40	0.15	1.42	1.57	(0.27)	(0.70)	(0.97)	12.00	14.15	0.71	0.29	1.39	3,970	42	
08-31-2019	12.52	0.22	(0.28)	(0.06)	(0.24)	(0.82)	(1.06)	11.40	0.72	0.61	0.19	1.92	66	19	
Class R6															
02-29-2024 ⁵	11.50	0.21	0.76	0.97	(0.30)	—	(0.30)	12.17	8.46 ⁶	0.38 ⁸	0.05 ⁸	2.81 ⁸	185,605	23	
08-31-2023	11.46	0.25	0.58	0.83	(0.23)	(0.56)	(0.79)	11.50	7.90	0.38	0.06	2.23	136,676	19	
08-31-2022	14.27	0.24	(2.23)	(1.99)	(0.23)	(0.59)	(0.82)	11.46	(14.93)	0.37	0.04	1.87	115,856	69	
08-31-2021	12.01	0.21	2.67	2.88	(0.21)	(0.41)	(0.62)	14.27	24.73	0.35	0.02	1.58	115,558	24	
08-31-2020	11.40	0.25	1.35	1.60	(0.29)	(0.70)	(0.99)	12.01	14.45	0.36	0.03	2.27	61,944	42	
08-31-2019	12.52	0.24	(0.28)	(0.04)	(0.26)	(0.82)	(1.08)	11.40	0.93	0.34	0.01	2.11	38,369	19	
Class 1															
02-29-2024 ⁵	11.51	0.22	0.74	0.96	(0.29)	—	(0.29)	12.18	8.33 ⁶	0.43 ⁸	0.10 ⁸	2.92 ⁸	436,870	23	
08-31-2023	11.46	0.24	0.59	0.83	(0.22)	(0.56)	(0.78)	11.51	7.94	0.43	0.10	2.14	414,039	19	
08-31-2022	14.27	0.23	(2.23)	(2.00)	(0.22)	(0.59)	(0.81)	11.46	(14.97)	0.41	0.08	1.81	329,648	69	
08-31-2021	12.01	0.21	2.67	2.88	(0.21)	(0.41)	(0.62)	14.27	24.67	0.39	0.06	1.62	316,717	24	
08-31-2020	11.40	0.26	1.33	1.59	(0.28)	(0.70)	(0.98)	12.01	14.40	0.40	0.08	2.28	210,077	42	
08-31-2019	12.52	0.25	(0.29)	(0.04)	(0.26)	(0.82)	(1.08)	11.40	0.88	0.38	0.06	2.19	185,231	19	

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 during the applicable periods.

⁴ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 6-21-21.

¹⁰ Less than \$0.005 per share.

¹¹ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

2030 Lifetime Blend 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	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ⁵		
2030 Lifetime Blend Portfolio														
Class A														
02-29-2024 ⁵	11.04	0.19	0.60	0.79	(0.26)	—	(0.26)	11.57	7.22 ^{6,7}	0.82 ⁸	0.50 ⁸	2.69 ⁸	158,911	27
08-31-2023	11.15	0.21	0.43	0.64	(0.20)	(0.55)	(0.75)	11.04	6.32 ⁷	0.82	0.49	1.95	125,637	16
08-31-2022	13.81	0.19	(2.08)	(1.89)	(0.18)	(0.59)	(0.77)	11.15	(14.59) ⁷	0.80	0.47	1.58	67,199	69
08-31-2021 ⁹	13.26	— ¹⁰	0.55	0.55	—	—	—	13.81	4.15 ^{6,7}	0.77 ⁸	0.46 ⁸	0.12 ⁸	9,031	31 ¹¹
Class R4														
02-29-2024 ⁵	11.03	0.19	0.62	0.81	(0.28)	—	(0.28)	11.56	7.39 ⁶	0.76 ⁸	0.33 ⁸	2.72 ⁸	5,757	27
08-31-2023	11.15	0.24	0.41	0.65	(0.22)	(0.55)	(0.77)	11.03	6.37	0.76	0.33	2.21	12,187	16
08-31-2022	13.81	0.24	(2.11)	(1.87)	(0.20)	(0.59)	(0.79)	11.15	(14.44)	0.74	0.31	1.89	10,514	69
08-31-2021	11.90	0.19	2.31	2.50	(0.19)	(0.40)	(0.59)	13.81	21.64	0.72	0.30	1.48	11,545	31
08-31-2020	11.31	0.19	1.26	1.45	(0.27)	(0.59)	(0.86)	11.90	13.20	0.74	0.32	1.78	6,232	45
08-31-2019	12.20	0.24	(0.15)	0.09	(0.25)	(0.73)	(0.98)	11.31	1.80	0.62	0.21	2.18	56	24
Class R6														
02-29-2024 ⁵	11.05	0.21	0.61	0.82	(0.31)	—	(0.31)	11.56	7.44 ⁶	0.41 ⁸	0.08 ⁸	3.01 ⁸	207,422	27
08-31-2023	11.16	0.26	0.42	0.68	(0.24)	(0.55)	(0.79)	11.05	6.76	0.41	0.08	2.40	155,732	16
08-31-2022	13.82	0.27	(2.10)	(1.83)	(0.24)	(0.59)	(0.83)	11.16	(14.23)	0.39	0.06	2.15	104,775	69
08-31-2021	11.91	0.22	2.31	2.53	(0.22)	(0.40)	(0.62)	13.82	21.88	0.37	0.05	1.68	102,495	31
08-31-2020	11.32	0.25	1.22	1.47	(0.29)	(0.59)	(0.88)	11.91	13.38	0.39	0.06	2.29	46,937	45
08-31-2019	12.21	0.25	(0.14)	0.11	(0.27)	(0.73)	(1.00)	11.32	2.01	0.37	0.04	2.29	21,285	24
Class 1														
02-29-2024 ⁵	11.04	0.21	0.61	0.82	(0.30)	—	(0.30)	11.56	7.41 ⁶	0.45 ⁸	0.13 ⁸	3.11 ⁸	416,209	27
08-31-2023	11.16	0.26	0.41	0.67	(0.24)	(0.55)	(0.79)	11.04	6.62	0.45	0.13	2.41	389,584	16
08-31-2022	13.82	0.26	(2.10)	(1.84)	(0.23)	(0.59)	(0.82)	11.16	(14.25)	0.43	0.10	2.09	332,831	69
08-31-2021	11.91	0.23	2.29	2.52	(0.21)	(0.40)	(0.61)	13.82	21.83	0.41	0.09	1.77	348,410	31
08-31-2020	11.31	0.26	1.21	1.47	(0.28)	(0.59)	(0.87)	11.91	13.43	0.42	0.11	2.35	245,230	45
08-31-2019	12.20	0.26	(0.16)	0.10	(0.26)	(0.73)	(0.99)	11.31	1.94	0.41	0.09	2.33	216,585	24

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 during the applicable periods.

⁴ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 6-21-21.

¹⁰ Less than \$0.005 per share.

¹¹ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

Financial highlights continued

2025 Lifetime Blend 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	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ²			
2025 Lifetime Blend Portfolio															
Class A															
02-29-2024 ⁵	10.57	0.18	0.47	0.65	(0.28)	—	(0.28)	10.94	6.19 ^{6,7}	0.87 ⁸	0.56 ⁸	2.89 ⁸	187,095	36	
08-31-2023	10.67	0.23	0.27	0.50	(0.22)	(0.38)	(0.60)	10.57	5.05 ⁷	0.86	0.54	2.26	150,550	21	
08-31-2022	13.07	0.21	(1.84)	(1.63)	(0.19)	(0.58)	(0.77)	10.67	(13.36) ⁷	0.84	0.51	1.88	85,495	59	
08-31-2021 ⁹	12.62	0.01	0.44	0.45	—	—	—	13.07	3.57 ^{6,7}	0.81 ⁸	0.49 ⁸	0.45 ⁸	12,112	41 ¹⁰	
Class R4															
02-29-2024 ⁵	10.57	0.19	0.47	0.66	(0.30)	—	(0.30)	10.93	6.26 ⁶	0.80 ⁸	0.39 ⁸	3.00 ⁸	2,170	36	
08-31-2023	10.66	0.26	0.26	0.52	(0.23)	(0.38)	(0.61)	10.57	5.32	0.80	0.38	2.49	6,192	21	
08-31-2022	13.07	0.26	(1.88)	(1.62)	(0.21)	(0.58)	(0.79)	10.66	(13.30)	0.78	0.35	2.15	6,167	59	
08-31-2021	11.62	0.20	1.88	2.08	(0.20)	(0.43)	(0.63)	13.07	18.50	0.76	0.34	1.67	7,251	41	
08-31-2020	11.15	0.20	1.07	1.27	(0.28)	(0.52)	(0.80)	11.62	11.74	0.77	0.36	1.82	4,177	62	
08-31-2019	11.86	0.27	(0.04)	0.23	(0.27)	(0.67)	(0.94)	11.15	2.94	0.66	0.25	2.40	55	25	
Class R6															
02-29-2024 ⁵	10.58	0.20	0.48	0.68	(0.33)	—	(0.33)	10.93	6.41 ⁶	0.46 ⁸	0.14 ⁸	3.23 ⁸	141,418	36	
08-31-2023	10.68	0.28	0.26	0.54	(0.26)	(0.38)	(0.64)	10.58	5.50	0.45	0.13	2.70	117,356	21	
08-31-2022	13.09	0.28	(1.87)	(1.59)	(0.24)	(0.58)	(0.82)	10.68	(13.06)	0.43	0.10	2.39	85,455	59	
08-31-2021	11.63	0.23	1.89	2.12	(0.23)	(0.43)	(0.66)	13.09	18.84	0.41	0.09	1.89	91,021	41	
08-31-2020	11.15	0.27	1.03	1.30	(0.30)	(0.52)	(0.82)	11.63	11.98	0.42	0.10	2.45	43,689	62	
08-31-2019	11.87	0.24	— ¹¹	0.24	(0.29)	(0.67)	(0.96)	11.15	3.05	0.41	0.08	2.23	17,092	25	
Class 1															
02-29-2024 ⁵	10.57	0.21	0.46	0.67	(0.32)	—	(0.32)	10.92	6.37 ⁶	0.50 ⁸	0.18 ⁸	3.35 ⁸	270,047	36	
08-31-2023	10.67	0.28	0.25	0.53	(0.25)	(0.38)	(0.63)	10.57	5.45	0.49	0.17	2.69	278,000	21	
08-31-2022	13.08	0.28	(1.88)	(1.60)	(0.23)	(0.58)	(0.81)	10.67	(13.10)	0.47	0.14	2.35	261,009	59	
08-31-2021	11.62	0.24	1.88	2.12	(0.23)	(0.43)	(0.66)	13.08	18.81	0.45	0.13	1.94	273,108	41	
08-31-2020	11.14	0.27	1.02	1.29	(0.29)	(0.52)	(0.81)	11.62	11.94	0.46	0.15	2.46	205,297	62	
08-31-2019	11.86	0.28	(0.05)	0.23	(0.28)	(0.67)	(0.95)	11.14	2.99	0.44	0.13	2.52	200,661	25	

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 during the applicable periods.

⁴ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 6-21-21.

¹⁰ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

¹¹ Less than \$0.005 per share.

2020 Lifetime Blend 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 (%) ⁷	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ⁵		
2020 Lifetime Blend Portfolio														
Class A														
02-29-2024 ⁵	10.15	0.18	0.39	0.57	(0.29)	—	(0.29)	10.43	5.64 ^{6, 7}	0.94 ⁸	0.60 ⁸	3.06 ⁸	103,360	41
08-31-2023	10.19	0.25	0.18	0.43	(0.23)	(0.24)	(0.47)	10.15	4.52 ⁷	0.93	0.59	2.49	92,504	23
08-31-2022	12.40	0.23	(1.65)	(1.42)	(0.20)	(0.59)	(0.79)	10.19	(12.31) ⁷	0.94	0.57	2.16	58,199	54
08-31-2021 ⁹	12.04	0.01	0.35	0.36	—	—	—	12.40	2.99 ^{6, 7}	0.91 ⁸	0.55 ⁸	0.56 ⁸	8,174	48 ¹⁰
Class R4														
02-29-2024 ⁵	10.14	0.19	0.39	0.58	(0.31)	—	(0.31)	10.41	5.70 ⁶	0.87 ⁸	0.44 ⁸	3.32 ⁸	1,319	41
08-31-2023	10.18	0.27	0.18	0.45	(0.25)	(0.24)	(0.49)	10.14	4.68	0.87	0.43	2.71	3,448	23
08-31-2022	12.39	0.27	(1.67)	(1.40)	(0.22)	(0.59)	(0.81)	10.18	(12.17)	0.87	0.41	2.36	3,551	54
08-31-2021	11.34	0.22	1.44	1.66	(0.22)	(0.39)	(0.61)	12.39	15.08	0.86	0.40	1.89	5,186	48
08-31-2020	11.01	0.24	0.80	1.04	(0.29)	(0.42)	(0.71)	11.34	9.66	0.86	0.39	2.26	4,746	78
08-31-2019	11.48	0.24	0.13	0.37	(0.28)	(0.56)	(0.84)	11.01	4.12	0.75	0.29	2.25	101	24
Class R6														
02-29-2024 ⁵	10.17	0.19	0.40	0.59	(0.33)	—	(0.33)	10.43	5.73 ⁶	0.52 ⁸	0.19 ⁸	3.41 ⁸	57,564	41
08-31-2023	10.21	0.29	0.18	0.47	(0.27)	(0.24)	(0.51)	10.17	4.94	0.52	0.18	2.92	53,407	23
08-31-2022	12.42	0.30	(1.67)	(1.37)	(0.25)	(0.59)	(0.84)	10.21	(11.92)	0.53	0.16	2.62	42,809	54
08-31-2021	11.36	0.25	1.45	1.70	(0.25)	(0.39)	(0.64)	12.42	15.41	0.51	0.14	2.12	47,943	48
08-31-2020	11.02	0.27	0.80	1.07	(0.31)	(0.42)	(0.73)	11.36	9.97	0.51	0.13	2.52	38,491	78
08-31-2019	11.49	0.27	0.12	0.39	(0.30)	(0.56)	(0.86)	11.02	4.32	0.47	0.10	2.54	9,368	24
Class 1														
02-29-2024 ⁵	10.15	0.20	0.40	0.60	(0.33)	—	(0.33)	10.42	5.81 ⁶	0.57 ⁸	0.23 ⁸	3.50 ⁸	115,678	41
08-31-2023	10.20	0.29	0.17	0.46	(0.27)	(0.24)	(0.51)	10.15	4.79	0.57	0.23	2.89	120,362	23
08-31-2022	12.41	0.29	(1.67)	(1.38)	(0.24)	(0.59)	(0.83)	10.20	(11.96)	0.57	0.20	2.58	113,942	54
08-31-2021	11.35	0.25	1.44	1.69	(0.24)	(0.39)	(0.63)	12.41	15.37	0.55	0.19	2.11	137,412	48
08-31-2020	11.01	0.29	0.77	1.06	(0.30)	(0.42)	(0.72)	11.35	9.93	0.54	0.18	2.70	107,158	78
08-31-2019	11.48	0.30	0.08	0.38	(0.29)	(0.56)	(0.85)	11.01	4.27	0.50	0.15	2.73	124,872	24

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 during the applicable periods.

⁴ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 6-21-21.

¹⁰ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

Financial highlights continued

2015 Lifetime Blend 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	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ²			
2015 Lifetime Blend Portfolio															
Class A															
02-29-2024 ⁵	9.76	0.17	0.35	0.52	(0.28)	—	(0.28)	10.00	5.23 ^{6, 7}	1.07 ⁸	0.62 ⁸	3.15 ⁸	29,993	46	
08-31-2023	9.79	0.25	0.15	0.40	(0.24)	(0.19)	(0.43)	9.76	4.30 ⁷	1.09	0.61	2.62	25,675	28	
08-31-2022	11.76	0.24	(1.51)	(1.27)	(0.19)	(0.51)	(0.70)	9.79	(11.55) ⁷	1.11	0.58	2.34	12,908	64	
08-31-2021 ⁹	11.46	0.02	0.28	0.30	—	—	—	11.76	2.62 ^{6, 7}	1.12 ⁸	0.57 ⁸	0.81 ⁸	1,932	58 ¹⁰	
Class R4															
02-29-2024 ⁵	9.75	0.19	0.34	0.53	(0.30)	—	(0.30)	9.98	5.39 ⁶	0.99 ⁸	0.45 ⁸	3.52 ⁸	128	46	
08-31-2023	9.78	0.27	0.14	0.41	(0.25)	(0.19)	(0.44)	9.75	4.45	1.03	0.45	2.82	524	28	
08-31-2022	11.75	0.27	(1.52)	(1.25)	(0.21)	(0.51)	(0.72)	9.78	(11.41)	1.06	0.42	2.50	592	64	
08-31-2021	11.00	0.22	1.16	1.38	(0.21)	(0.42)	(0.63)	11.75	13.00	1.07	0.41	1.98	672	58	
08-31-2020	10.82	0.22	0.67	0.89	(0.30)	(0.41)	(0.71)	11.00	8.45	1.11	0.40	2.12	1,582	99	
08-31-2019	11.07	0.29	0.20	0.49	(0.29)	(0.45)	(0.74)	10.82	5.20	0.90	0.27	2.73	50	27	
Class R6															
02-29-2024 ⁵	9.77	0.18	0.36	0.54	(0.32)	—	(0.32)	9.99	5.53 ⁶	0.65 ⁸	0.20 ⁸	3.43 ⁸	23,902	46	
08-31-2023	9.81	0.29	0.13	0.42	(0.27)	(0.19)	(0.46)	9.77	4.61	0.68	0.20	3.02	18,648	28	
08-31-2022	11.77	0.30	(1.51)	(1.21)	(0.24)	(0.51)	(0.75)	9.81	(11.08)	0.71	0.17	2.76	17,101	64	
08-31-2021	11.02	0.26	1.15	1.41	(0.24)	(0.42)	(0.66)	11.77	13.24	0.72	0.16	2.27	19,660	58	
08-31-2020	10.82	0.28	0.64	0.92	(0.31)	(0.41)	(0.72)	11.02	8.81	0.76	0.14	2.63	15,783	99	
08-31-2019	11.07	0.27	0.23	0.50	(0.30)	(0.45)	(0.75)	10.82	5.39	0.65	0.10	2.57	3,227	27	
Class 1															
02-29-2024 ⁵	9.77	0.19	0.35	0.54	(0.32)	—	(0.32)	9.99	5.39 ⁶	0.70 ⁸	0.25 ⁸	3.60 ⁸	32,581	46	
08-31-2023	9.80	0.29	0.15	0.44	(0.28)	(0.19)	(0.47)	9.77	4.71	0.72	0.24	3.01	33,628	28	
08-31-2022	11.77	0.30	(1.53)	(1.23)	(0.23)	(0.51)	(0.74)	9.80	(11.20)	0.75	0.22	2.74	32,841	64	
08-31-2021	11.02	0.25	1.16	1.41	(0.24)	(0.42)	(0.66)	11.77	13.19	0.76	0.21	2.23	34,767	58	
08-31-2020	10.82	0.29	0.63	0.92	(0.31)	(0.41)	(0.72)	11.02	8.76	0.80	0.19	2.72	28,901	99	
08-31-2019	11.07	0.30	0.20	0.50	(0.30)	(0.45)	(0.75)	10.82	5.33	0.69	0.15	2.84	36,564	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 during the applicable periods.

⁴ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 6-21-21.

¹⁰ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

2010 Lifetime Blend 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	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 (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ²			
2010 Lifetime Blend Portfolio															
Class A															
02-29-2024 ⁵	9.54	0.17	0.30	0.47	(0.30)	—	(0.30)	9.71	4.88 ^{6, 7}	1.16 ⁸	0.64 ⁸	3.22 ⁸	12,075	49	
08-31-2023	9.67	0.27	0.09	0.36	(0.27)	(0.22)	(0.49)	9.54	4.02 ⁷	1.20	0.63	2.84	10,298	35	
08-31-2022	11.49	0.26	(1.42)	(1.16)	(0.21)	(0.45)	(0.66)	9.67	(10.72) ⁷	1.26	0.60	2.55	3,404	69	
08-31-2021 ⁹	11.23	0.04	0.22	0.26	—	—	—	11.49	2.32 ^{6, 7}	1.25 ⁸	0.59 ⁸	1.79 ⁸	79	62 ¹⁰	
Class R4															
02-29-2024 ⁵	9.53	0.18	0.30	0.48	(0.31)	—	(0.31)	9.70	4.93 ⁶	1.05 ⁸	0.43 ⁸	3.49 ⁸	96	49	
08-31-2023	9.66	0.29	0.09	0.38	(0.29)	(0.22)	(0.51)	9.53	4.19	1.12	0.45	3.04	113	35	
08-31-2022	11.48	0.29	(1.43)	(1.14)	(0.23)	(0.45)	(0.68)	9.66	(10.58)	1.18	0.42	2.71	218	69	
08-31-2021	10.84	0.24	0.96	1.20	(0.22)	(0.34)	(0.56)	11.48	11.36	1.16	0.40	2.14	241	62	
08-31-2020	10.53	0.25	0.57	0.82	(0.27)	(0.24)	(0.51)	10.84	7.92	1.25	0.38	2.44	207	96	
08-31-2019	10.81	0.29	0.25	0.54	(0.31)	(0.51)	(0.82)	10.53	5.91	1.07	0.28	2.84	50	35	
Class R6															
02-29-2024 ⁵	9.55	0.18	0.30	0.48	(0.33)	—	(0.33)	9.70	5.06 ⁶	0.74 ⁸	0.22 ⁸	3.54 ⁸	13,122	49	
08-31-2023	9.68	0.30	0.10	0.40	(0.31)	(0.22)	(0.53)	9.55	4.46	0.79	0.22	3.15	10,672	35	
08-31-2022	11.50	0.31	(1.42)	(1.11)	(0.26)	(0.45)	(0.71)	9.68	(10.34)	0.86	0.19	2.92	7,161	69	
08-31-2021	10.86	0.26	0.96	1.22	(0.24)	(0.34)	(0.58)	11.50	11.57	0.84	0.18	2.33	7,176	62	
08-31-2020	10.55	0.32	0.51	0.83	(0.28)	(0.24)	(0.52)	10.86	8.09	0.92	0.14	3.05	4,651	96	
08-31-2019	10.83	0.28	0.28	0.56	(0.33)	(0.51)	(0.84)	10.55	6.10	0.82	0.11	2.77	2,172	35	
Class 1															
02-29-2024 ⁵	9.54	0.19	0.29	0.48	(0.33)	—	(0.33)	9.69	5.03 ⁶	0.78 ⁸	0.27 ⁸	3.65 ⁸	35,363	49	
08-31-2023	9.67	0.30	0.10	0.40	(0.31)	(0.22)	(0.53)	9.54	4.43	0.83	0.26	3.14	38,203	35	
08-31-2022	11.49	0.30	(1.41)	(1.11)	(0.26)	(0.45)	(0.71)	9.67	(10.38)	0.90	0.23	2.89	33,971	69	
08-31-2021	10.85	0.26	0.95	1.21	(0.23)	(0.34)	(0.57)	11.49	11.53	0.88	0.22	2.32	33,215	62	
08-31-2020	10.54	0.28	0.55	0.83	(0.28)	(0.24)	(0.52)	10.85	8.04	0.96	0.19	2.74	27,389	96	
08-31-2019	10.82	0.30	0.25	0.55	(0.32)	(0.51)	(0.83)	10.54	6.05	0.86	0.16	2.95	24,556	35	

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 during the applicable periods.

⁴ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-29-24. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 6-21-21.

¹⁰ Portfolio turnover is shown for the period from 9-1-20 to 8-31-21.

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, the Lifetime Blend 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 R4 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 each portfolio's target retirement dates, with a greater focus on income beyond the target dates. 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 by the portfolios in underlying affiliated funds and other open-end mutual funds, including John Hancock Collateral Trust (JHCT), are valued at their respective NAVs each business day. Equity securities, including exchange-traded funds or closed-end funds, held by the portfolios 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. Foreign securities and currencies are valued in U.S. dollars based on foreign currency exchange rates supplied by an independent pricing vendor.

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. Trading in foreign securities may be completed before the scheduled daily close of trading on the NYSE. Significant events at the issuer or market level may affect the values of securities between the time when the valuation of the securities is generally determined and the close of the NYSE. If a significant event occurs, these securities may be fair valued, as determined in good faith by the Pricing Committee, following procedures established by the Advisor and adopted by the Board of Trustees. The Advisor uses fair value adjustment factors provided by an independent pricing vendor to value certain foreign securities in order to adjust for events that may occur between the close of foreign exchanges or markets and the close of the NYSE.

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
2065 Lifetime Blend Portfolio				
Investments in securities:				
Assets				
Affiliated investment companies	\$30,991,299	\$30,991,299	—	—
Unaffiliated investment companies	24,576,683	24,576,683	—	—
Common stocks	757	—	—	\$757
U.S. Government and Agency obligations	1,107,610	—	\$1,107,610	—
Short-term investments	2,213	2,213	—	—
Total investments in securities	\$56,678,562	\$55,570,195	\$1,107,610	\$757
2060 Lifetime Blend Portfolio				
Investments in securities:				
Assets				
Affiliated investment companies	\$110,002,997	\$110,002,997	—	—
Unaffiliated investment companies	87,622,129	87,622,129	—	—
Common stocks	5,872	—	—	\$5,872
U.S. Government and Agency obligations	4,028,822	—	\$4,028,822	—
Short-term investments	5,164,333	5,164,333	—	—
Total investments in securities	\$206,824,153	\$202,789,459	\$4,028,822	\$5,872
2055 Lifetime Blend Portfolio				
Investments in securities:				
Assets				
Affiliated investment companies	\$198,126,329	\$198,126,329	—	—
Unaffiliated investment companies	157,634,184	157,634,184	—	—
Common stocks	12,293	—	—	\$12,293
U.S. Government and Agency obligations	7,330,659	—	\$7,330,659	—
Short-term investments	524,893	524,893	—	—
Total investments in securities	\$363,628,358	\$356,285,406	\$7,330,659	\$12,293
2050 Lifetime Blend Portfolio				
Investments in securities:				
Assets				
Affiliated investment companies	\$255,747,201	\$255,747,201	—	—
Unaffiliated investment companies	204,446,173	204,446,173	—	—
Common stocks	16,840	—	—	\$16,840
U.S. Government and Agency obligations	9,561,015	—	\$9,561,015	—
Short-term investments	9,670,639	9,670,639	—	—
Total investments in securities	\$479,441,868	\$469,864,013	\$9,561,015	\$16,840
2045 Lifetime Blend Portfolio				
Investments in securities:				
Assets				
Affiliated investment companies	\$309,275,352	\$309,275,352	—	—
Unaffiliated investment companies	249,170,690	249,170,690	—	—
Common stocks	21,498	—	—	\$21,498
U.S. Government and Agency obligations	14,660,967	—	\$14,660,967	—
Short-term investments	3,917,936	3,917,936	—	—
Total investments in securities	\$577,046,443	\$562,363,978	\$14,660,967	\$21,498
2040 Lifetime Blend 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
2040 Lifetime Blend Portfolio (continued)				
Affiliated investment companies	\$350,435,369	\$350,435,369	—	—
Unaffiliated investment companies	289,298,581	289,298,581	—	—
Common stocks	20,721	—	—	\$20,721
U.S. Government and Agency obligations	21,793,684	—	\$21,793,684	—
Short-term investments	8,439,457	8,439,457	—	—
Total investments in securities	\$669,987,812	\$648,173,407	\$21,793,684	\$20,721

2035 Lifetime Blend Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$408,942,603	\$408,942,603	—	—
Unaffiliated investment companies	332,088,557	332,088,557	—	—
Common stocks	22,178	—	—	\$22,178
U.S. Government and Agency obligations	32,548,687	—	\$32,548,687	—
Short-term investments	22,996,875	22,996,875	—	—
Total investments in securities	\$796,598,900	\$764,028,035	\$32,548,687	\$22,178

2030 Lifetime Blend Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$401,564,487	\$401,564,487	—	—
Unaffiliated investment companies	343,152,823	343,152,823	—	—
Common stocks	19,868	—	—	\$19,868
U.S. Government and Agency obligations	43,414,088	—	\$43,414,088	—
Short-term investments	5,016,808	5,016,808	—	—
Total investments in securities	\$793,168,074	\$749,734,118	\$43,414,088	\$19,868

2025 Lifetime Blend Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$279,955,905	\$279,955,905	—	—
Unaffiliated investment companies	282,206,931	282,206,931	—	—
Common stocks	13,391	—	—	\$13,391
U.S. Government and Agency obligations	38,593,983	—	\$38,593,983	—
Short-term investments	10,301,710	10,301,710	—	—
Total investments in securities	\$611,071,920	\$572,464,546	\$38,593,983	\$13,391

2020 Lifetime Blend Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$114,869,575	\$114,869,575	—	—
Unaffiliated investment companies	143,101,780	143,101,780	—	—
Common stocks	4,130	—	—	\$4,130
U.S. Government and Agency obligations	19,887,581	—	\$19,887,581	—
Short-term investments	22,652	22,652	—	—
Total investments in securities	\$277,885,718	\$257,994,007	\$19,887,581	\$4,130

2015 Lifetime Blend 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
2015 Lifetime Blend Portfolio (continued)				
Affiliated investment companies	\$35,528,722	\$35,528,722	—	—
Unaffiliated investment companies	44,217,135	44,217,135	—	—
Common stocks	1,062	—	—	\$1,062
U.S. Government and Agency obligations	6,828,877	—	\$6,828,877	—
Short-term investments	2,885	2,885	—	—
Total investments in securities	\$86,578,681	\$79,748,742	\$6,828,877	\$1,062

2010 Lifetime Blend Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$23,719,005	\$23,719,005	—	—
Unaffiliated investment companies	31,913,438	31,913,438	—	—
Common stocks	568	—	—	\$568
U.S. Government and Agency obligations	5,011,879	—	\$5,011,879	—
Short-term investments	1,189	1,189	—	—
Total investments in securities	\$60,646,079	\$55,633,632	\$5,011,879	\$568

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.

Real estate investment trusts. The portfolios may invest in real estate investment trusts (REITs). Distributions from REITs may be recorded as income and subsequently characterized by the REIT at the end of their fiscal year as a reduction of cost of investments and/or as a realized gain. As a result, the portfolios will estimate the components of distributions from these securities. Such estimates are revised when the actual components of the distributions are known.

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.

Securities lending. The portfolios may lend their securities to earn additional income. The portfolios receive collateral from the borrower in an amount not less than the market value of the loaned securities. The portfolios may invest their cash collateral in JHCT, an affiliate of the portfolios, which has a floating NAV and is registered with the SEC as an investment company. JHCT is a prime money market fund and invests in short-term money market investments. Each portfolio will receive the benefit of any gains and bear any losses generated by JHCT with respect to the cash collateral.

The portfolios have the right to recall loaned securities on demand. If a borrower fails to return loaned securities when due, then the lending agent is responsible and indemnifies the portfolios for the lent securities. The lending agent uses the collateral received from the borrower to purchase replacement securities of the same issue, type, class and series of the loaned securities. If the value of the collateral is less than the purchase cost of replacement securities, the lending agent is responsible for satisfying the shortfall but only to the extent that the shortfall is not due to any decrease in the value of JHCT.

Although the risk of loss on securities lent is mitigated by receiving collateral from the borrower and through lending agent indemnification, the portfolios could experience a delay in recovering securities or could experience a lower than expected return if the borrower fails to return the securities on a timely basis. During the existence of the loan, the portfolios will receive from the borrower amounts equivalent to any dividends, interest or other distributions on the loaned securities, as well

as interest on such amounts. The portfolios receive compensation for lending their securities by retaining a portion of the return on the investment of the collateral and compensation from fees earned from borrowers of the securities. Securities lending income received by the portfolios is net of fees retained by the securities lending agent. Net income received from JHCT is a component of securities lending income as recorded on the Statements of operations.

Obligations to repay collateral received by the portfolios are shown on the Statements of assets and liabilities as Payable upon return of securities loaned and are secured by the loaned securities. The following table summarizes the values of securities loaned by the portfolios and the corresponding cash collateral received at February 29, 2024:

Portfolio	Market value of securities on loan	Cash collateral received
2060 Lifetime Blend Portfolio	\$5,042,676	\$5,159,125
2055 Lifetime Blend Portfolio	509,143	519,650
2050 Lifetime Blend Portfolio	9,475,558	9,668,475
2045 Lifetime Blend Portfolio	3,832,801	3,914,050
2040 Lifetime Blend Portfolio	8,241,422	8,428,850
2035 Lifetime Blend Portfolio	22,456,564	22,980,550
2030 Lifetime Blend Portfolio	4,938,241	5,038,600
2025 Lifetime Blend Portfolio	10,136,472	10,340,160

Foreign investing. Assets, including investments, and liabilities denominated in foreign currencies are translated into U.S. dollar values each day at the prevailing exchange rate. Purchases and sales of securities, income and expenses are translated into U.S. dollars at the prevailing exchange rate on the date of the transaction. The effect of changes in foreign currency exchange rates on the value of securities is reflected as a component of the realized and unrealized gains (losses) on investments. Foreign investments are subject to a decline in the value of a foreign currency versus the U.S. dollar, which reduces the dollar value of securities denominated in that currency.

Portfolios that invest internationally generally carry more risk than portfolios that invest strictly in U.S. securities. Risks can result from differences in economic and political conditions, regulations, market practices (including higher transaction costs), accounting standards and other factors.

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.

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

Portfolio	Commitment fee
2065 Lifetime Blend Portfolio	\$1,788
2060 Lifetime Blend Portfolio	1,982
2055 Lifetime Blend Portfolio	2,195
2050 Lifetime Blend Portfolio	2,344
2045 Lifetime Blend Portfolio	2,513
2040 Lifetime Blend Portfolio	2,603
2035 Lifetime Blend Portfolio	2,784
2030 Lifetime Blend Portfolio	2,801
2025 Lifetime Blend Portfolio	2,612
2020 Lifetime Blend Portfolio	2,162
2015 Lifetime Blend Portfolio	1,854
2010 Lifetime Blend Portfolio	1,819

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
2065 Lifetime Blend Portfolio	\$ 262,943	—
2060 Lifetime Blend Portfolio	646,601	\$ 612,892
2055 Lifetime Blend Portfolio	2,319,480	2,255,908
2050 Lifetime Blend Portfolio	4,093,332	3,652,698
2045 Lifetime Blend Portfolio	3,511,967	3,675,454
2040 Lifetime Blend Portfolio	1,444,314	4,738,633
2035 Lifetime Blend Portfolio	413,289	7,723,247
2030 Lifetime Blend Portfolio	—	9,606,779
2025 Lifetime Blend Portfolio	353,328	7,396,807
2020 Lifetime Blend Portfolio	155,022	2,446,460
2015 Lifetime Blend Portfolio	12,883	582,232
2010 Lifetime Blend Portfolio	29,432	43,196

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)
2065 Lifetime Blend Portfolio	\$51,322,591	\$5,555,434	\$(199,463)	\$5,355,971
2060 Lifetime Blend Portfolio	188,772,109	18,831,816	(779,772)	18,052,044
2055 Lifetime Blend Portfolio	329,926,443	35,155,419	(1,453,504)	33,701,915
2050 Lifetime Blend Portfolio	435,366,912	46,004,746	(1,929,790)	44,074,956
2045 Lifetime Blend Portfolio	530,093,634	50,279,679	(3,326,870)	46,952,809
2040 Lifetime Blend Portfolio	626,658,964	49,087,108	(5,758,260)	43,328,848
2035 Lifetime Blend Portfolio	755,468,472	50,323,723	(9,193,295)	41,130,428
2030 Lifetime Blend Portfolio	764,948,991	40,387,153	(12,168,070)	28,219,083
2025 Lifetime Blend Portfolio	601,291,787	20,011,964	(10,231,831)	9,780,133
2020 Lifetime Blend Portfolio	276,336,810	7,019,223	(5,470,315)	1,548,908
2015 Lifetime Blend Portfolio	86,916,813	967,218	(1,305,350)	(338,132)
2010 Lifetime Blend Portfolio	62,065,127	2,388,881	(3,807,929)	(1,419,048)

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 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
2065 Lifetime Blend Portfolio	0.31%	2035 Lifetime Blend Portfolio	0.31%
2060 Lifetime Blend Portfolio	0.31%	2030 Lifetime Blend Portfolio	0.32%
2055 Lifetime Blend Portfolio	0.31%	2025 Lifetime Blend Portfolio	0.34%
2050 Lifetime Blend Portfolio	0.31%	2020 Lifetime Blend Portfolio	0.35%
2045 Lifetime Blend Portfolio	0.31%	2015 Lifetime Blend Portfolio	0.36%
2040 Lifetime Blend Portfolio	0.31%	2010 Lifetime Blend Portfolio	0.36%

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.

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				
	Class A	Class R4	Class R6	Class 1	Total
2065 Lifetime Blend Portfolio	\$11,515	\$438	\$17,681	\$113,971	\$143,605
2060 Lifetime Blend Portfolio	52,559	2,610	76,983	210,334	342,486
2055 Lifetime Blend Portfolio	100,406	3,825	116,402	339,458	560,091
2050 Lifetime Blend Portfolio	144,034	4,578	153,589	409,069	711,270
2045 Lifetime Blend Portfolio	172,716	6,510	177,525	512,787	869,538
2040 Lifetime Blend Portfolio	174,998	3,565	225,567	565,949	970,079
2035 Lifetime Blend Portfolio	204,819	8,697	259,418	681,565	1,154,499
2030 Lifetime Blend Portfolio	220,900	11,128	285,171	640,767	1,157,966
2025 Lifetime Blend Portfolio	255,350	4,778	198,423	431,493	890,044
2020 Lifetime Blend Portfolio	158,433	3,170	88,842	196,099	446,544
2015 Lifetime Blend Portfolio	60,666	451	46,614	75,029	182,760
2010 Lifetime Blend Portfolio	28,353	252	27,429	93,533	149,567

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
2065 Lifetime Blend Portfolio	0.00%	2035 Lifetime Blend Portfolio	0.00%
2060 Lifetime Blend Portfolio	0.00%	2030 Lifetime Blend Portfolio	0.02%
2055 Lifetime Blend Portfolio	0.00%	2025 Lifetime Blend Portfolio	0.07%
2050 Lifetime Blend Portfolio	0.00%	2020 Lifetime Blend Portfolio	0.09%
2045 Lifetime Blend Portfolio	0.00%	2015 Lifetime Blend Portfolio	0.00%
2040 Lifetime Blend Portfolio	0.00%	2010 Lifetime Blend 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 the 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 R4	0.25%	0.10%
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
2065 Lifetime Blend Portfolio	\$75	2035 Lifetime Blend Portfolio	\$2,680
2060 Lifetime Blend Portfolio	685	2030 Lifetime Blend Portfolio	3,447
2055 Lifetime Blend Portfolio	1,111	2025 Lifetime Blend Portfolio	1,526
2050 Lifetime Blend Portfolio	1,382	2020 Lifetime Blend Portfolio	953
2045 Lifetime Blend Portfolio	1,980	2015 Lifetime Blend Portfolio	103
2040 Lifetime Blend Portfolio	1,108	2010 Lifetime Blend Portfolio	49

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:

	2065 Lifetime Blend Portfolio	2060 Lifetime Blend Portfolio	2055 Lifetime Blend Portfolio	2050 Lifetime Blend Portfolio	2045 Lifetime Blend Portfolio	2040 Lifetime Blend Portfolio	2035 Lifetime Blend Portfolio	2030 Lifetime Blend Portfolio	2025 Lifetime Blend Portfolio	2015 Lifetime Blend Portfolio
Total sales charges	\$996	\$4,324	\$1,183	\$4,534	\$792	\$1,790	\$3,489	\$142	\$257	\$10
Retained for printing prospectus, advertising and sales literature	162	669	205	729	123	286	564	28	47	1
Sales commission to unrelated broker-dealers	834	3,655	978	3,805	669	1,504	2,925	114	210	9

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
2065 Lifetime Blend Portfolio	\$2

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
2065 Lifetime Blend Portfolio	Class A	\$5,817	\$2,367
	Class R4	245	4
	Class R6	—	157
	Class 1	9,618	—
	Total	\$15,680	\$2,528
2060 Lifetime Blend Portfolio	Class A	\$40,859	\$16,634
	Class R4	2,380	35
	Class R6	—	1,052
	Class 1	27,360	—
	Total	\$70,599	\$17,721
2055 Lifetime Blend Portfolio	Class A	\$86,112	\$35,068
	Class R4	3,875	56
	Class R6	—	1,753
	Class 1	48,720	—
	Total	\$138,707	\$36,877
2050 Lifetime Blend Portfolio	Class A	\$127,380	\$51,882
	Class R4	4,806	70
	Class R6	—	2,385
	Class 1	60,564	—
	Total	\$192,750	\$54,337
2045 Lifetime Blend Portfolio	Class A	\$155,325	\$63,251
	Class R4	6,904	102
	Class R6	—	2,803
	Class 1	77,253	—
	Total	\$239,482	\$66,156
2040 Lifetime Blend Portfolio	Class A	\$158,684	\$64,638
	Class R4	3,843	55
	Class R6	—	3,582
	Class 1	85,822	—
	Total	\$248,349	\$68,275
2035 Lifetime Blend Portfolio	Class A	\$186,673	\$76,023
	Class R4	9,373	137
	Class R6	—	4,154
	Class 1	103,885	—
	Total	\$299,931	\$80,314
2030 Lifetime Blend Portfolio	Class A	\$203,239	\$82,774
	Class R4	12,075	178
	Class R6	—	4,607
	Class 1	98,507	—
	Total	\$313,821	\$87,559
2025 Lifetime Blend Portfolio	Class A	\$241,017	\$98,163
	Class R4	5,309	78
	Class R6	—	3,291
	Class 1	68,136	—
	Total	\$314,462	\$101,532

Portfolio	Class	Distribution and service fees	Transfer agent fees
2020 Lifetime Blend Portfolio	Class A	\$141,033	\$57,451
	Class R4	3,337	49
	Class R6	—	1,392
	Class 1	29,194	—
	Total	\$173,564	\$58,892
2015 Lifetime Blend Portfolio	Class A	\$40,396	\$16,453
	Class R4	353	5
	Class R6	—	543
	Class 1	8,352	—
	Total	\$49,101	\$17,001
2010 Lifetime Blend Portfolio	Class A	\$16,440	\$6,697
	Class R4	150	2
	Class R6	—	279
	Class 1	9,084	—
	Total	\$25,674	\$6,978

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:

2065 Lifetime Blend Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	215,137	\$2,633,934	189,208	\$2,190,902
Distributions reinvested	5,821	73,989	1,756	18,985
Repurchased	(89,241)	(1,104,679)	(68,485)	(786,919)
Net increase	131,717	\$1,603,244	122,479	\$1,422,968
Class R4 shares				
Sold	2,639	\$31,129	16,911	\$191,611
Distributions reinvested	—	—	367	3,961
Repurchased	(36,826)	(427,263)	(4,259)	(49,355)
Net increase (decrease)	(34,187)	\$(396,134)	13,019	\$146,217
Class R6 shares				
Sold	292,341	\$3,539,035	347,020	\$4,012,959
Distributions reinvested	10,977	139,185	963	10,385
Repurchased	(41,821)	(521,507)	(30,565)	(346,237)
Net increase	261,497	\$3,156,713	317,418	\$3,677,107
Class 1 shares				
Sold	879,511	\$10,647,874	1,635,028	\$18,826,277
Distributions reinvested	64,059	812,912	29,630	319,704
Repurchased	(501,305)	(6,345,057)	(222,214)	(2,513,329)
Net increase	442,265	\$5,115,729	1,442,444	\$16,632,652
Total net increase	801,292	\$9,479,552	1,895,360	\$21,878,944
2060 Lifetime Blend Portfolio	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	1,026,394	\$13,972,493	1,554,878	\$20,057,861
Distributions reinvested	37,274	525,187	71,008	851,383
Repurchased	(500,803)	(6,813,518)	(719,587)	(9,349,253)
Net increase	562,865	\$7,684,162	906,299	\$11,559,991

2060 Lifetime Blend Portfolio , Cont'd

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R4 shares				
Sold	19,570	\$262,265	85,044	\$1,087,036
Distributions reinvested	1,310	18,443	11,628	139,187
Repurchased	(175,699)	(2,266,762)	(25,026)	(321,060)
Net increase (decrease)	(154,819)	\$(1,986,054)	71,646	\$905,163
Class R6 shares				
Sold	1,088,680	\$14,679,349	1,772,874	\$22,801,702
Distributions reinvested	65,693	924,296	195,841	2,342,254
Repurchased	(219,533)	(3,002,470)	(2,016,172)	(25,195,773)
Net increase (decrease)	934,840	\$12,601,175	(47,457)	\$(51,817)
Class 1 shares				
Sold	975,339	\$13,135,147	2,525,410	\$32,598,569
Distributions reinvested	164,599	2,315,913	408,422	4,888,811
Repurchased	(1,118,822)	(15,656,861)	(463,266)	(5,832,623)
Net increase (decrease)	21,116	\$(205,801)	2,470,566	\$31,654,757
Total net increase	1,364,002	\$18,093,482	3,401,054	\$44,068,094

2055 Lifetime Blend Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	2,159,151	\$26,974,547	3,339,732	\$39,464,949
Distributions reinvested	85,778	1,105,675	204,887	2,247,610
Repurchased	(994,504)	(12,395,720)	(1,369,758)	(16,197,012)
Net increase	1,250,425	\$15,684,502	2,174,861	\$25,515,547
Class R4 shares				
Sold	18,197	\$222,245	73,136	\$859,144
Distributions reinvested	2,002	25,746	31,561	344,963
Repurchased	(376,684)	(4,434,582)	(25,242)	(298,695)
Net increase (decrease)	(356,485)	\$(4,186,591)	79,455	\$905,412
Class R6 shares				
Sold	2,229,940	\$27,432,598	3,088,375	\$36,441,404
Distributions reinvested	122,046	1,568,285	528,072	5,771,830
Repurchased	(437,065)	(5,488,372)	(5,003,772)	(57,101,650)
Net increase (decrease)	1,914,921	\$23,512,511	(1,387,325)	\$(14,888,416)
Class 1 shares				
Sold	1,512,896	\$18,385,480	3,723,048	\$44,003,092
Distributions reinvested	320,651	4,123,567	1,022,098	11,181,753
Repurchased	(2,014,754)	(25,789,325)	(824,624)	(9,680,864)
Net increase (decrease)	(181,207)	\$(3,280,278)	3,920,522	\$45,503,981
Total net increase	2,627,654	\$31,730,144	4,787,513	\$57,036,524

2050 Lifetime Blend Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	2,664,114	\$33,385,159	4,727,009	\$56,485,802
Distributions reinvested	125,294	1,633,840	296,527	3,288,489
Repurchased	(1,321,030)	(16,657,718)	(2,104,272)	(25,173,371)
Net increase	1,468,378	\$18,361,281	2,919,264	\$34,600,920

2050 Lifetime Blend Portfolio , Cont'd

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R4 shares				
Sold	24,944	\$304,939	85,754	\$1,020,072
Distributions reinvested	2,178	28,364	41,523	459,664
Repurchased	(534,762)	(6,367,707)	(51,963)	(631,148)
Net increase (decrease)	(507,640)	\$(6,034,404)	75,314	\$848,588
Class R6 shares				
Sold	2,710,210	\$33,575,272	3,941,375	\$46,828,329
Distributions reinvested	164,914	2,143,884	716,259	7,914,662
Repurchased	(563,308)	(7,168,052)	(7,195,120)	(82,924,390)
Net increase (decrease)	2,311,816	\$28,551,104	(2,537,486)	\$(28,181,399)
Class 1 shares				
Sold	1,755,515	\$21,751,340	4,965,919	\$59,527,726
Distributions reinvested	394,645	5,134,331	1,184,333	13,098,720
Repurchased	(2,621,433)	(34,027,883)	(1,364,287)	(16,169,050)
Net increase (decrease)	(471,273)	\$(7,142,212)	4,785,965	\$56,457,396
Total net increase	2,801,281	\$33,735,769	5,243,057	\$63,725,505

2045 Lifetime Blend Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	3,048,681	\$37,500,893	6,069,782	\$71,108,962
Distributions reinvested	160,631	2,043,221	396,367	4,308,513
Repurchased	(1,509,492)	(18,527,756)	(2,447,122)	(28,728,916)
Net increase	1,699,820	\$21,016,358	4,019,027	\$46,688,559
Class R4 shares				
Sold	37,796	\$449,016	90,353	\$1,051,681
Distributions reinvested	4,706	59,673	46,121	499,496
Repurchased	(448,366)	(5,206,533)	(50,062)	(592,009)
Net increase (decrease)	(405,864)	\$(4,697,844)	86,412	\$959,168
Class R6 shares				
Sold	2,935,073	\$35,601,034	3,991,731	\$46,637,154
Distributions reinvested	207,507	2,635,338	903,183	9,799,538
Repurchased	(834,254)	(10,257,365)	(7,713,117)	(87,371,159)
Net increase (decrease)	2,308,326	\$27,979,007	(2,818,203)	\$(30,934,467)
Class 1 shares				
Sold	2,096,038	\$25,406,379	5,674,912	\$66,237,571
Distributions reinvested	528,249	6,708,768	1,673,748	18,160,164
Repurchased	(3,902,769)	(49,536,840)	(1,596,786)	(18,631,667)
Net increase (decrease)	(1,278,482)	\$(17,421,693)	5,751,874	\$65,766,068
Total net increase	2,323,800	\$26,875,828	7,039,110	\$82,479,328

2040 Lifetime Blend Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	3,068,614	\$36,820,196	6,323,862	\$72,909,860
Distributions reinvested	172,835	2,150,073	402,866	4,330,814
Repurchased	(1,539,459)	(18,508,375)	(2,623,227)	(30,136,738)
Net increase	1,701,990	\$20,461,894	4,103,501	\$47,103,936

2040 Lifetime Blend Portfolio , Cont'd

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R4 shares				
Sold	15,246	\$178,078	72,335	\$831,242
Distributions reinvested	1,293	16,055	45,099	483,909
Repurchased	(585,448)	(6,669,572)	(84,148)	(979,779)
Net increase (decrease)	(568,909)	\$(6,475,439)	33,286	\$335,372
Class R6 shares				
Sold	5,085,050	\$60,884,292	5,168,123	\$59,541,196
Distributions reinvested	253,712	3,148,562	758,983	8,136,302
Repurchased	(1,271,228)	(15,423,340)	(5,684,301)	(63,708,910)
Net increase	4,067,534	\$48,609,514	242,805	\$3,968,588
Class 1 shares				
Sold	2,190,725	\$25,870,627	5,908,657	\$67,892,467
Distributions reinvested	630,003	7,818,338	1,860,010	19,939,303
Repurchased	(2,972,647)	(36,551,798)	(2,383,166)	(27,674,497)
Net increase (decrease)	(151,919)	\$(2,862,833)	5,385,501	\$60,157,273
Total net increase	5,048,696	\$59,733,136	9,765,093	\$111,565,169

2035 Lifetime Blend Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	3,559,611	\$41,092,556	7,222,786	\$80,949,449
Distributions reinvested	233,129	2,785,886	457,229	4,782,617
Repurchased	(1,623,375)	(18,737,612)	(2,731,772)	(30,558,102)
Net increase	2,169,365	\$25,140,830	4,948,243	\$55,173,964
Class R4 shares				
Sold	33,465	\$379,538	126,853	\$1,405,059
Distributions reinvested	7,206	86,043	63,386	662,378
Repurchased	(710,773)	(7,802,741)	(31,115)	(351,087)
Net increase (decrease)	(670,102)	\$(7,337,160)	159,124	\$1,716,350
Class R6 shares				
Sold	4,322,142	\$49,443,464	5,369,440	\$59,848,218
Distributions reinvested	347,482	4,141,980	813,919	8,497,312
Repurchased	(1,300,775)	(15,222,826)	(4,409,995)	(48,203,871)
Net increase	3,368,849	\$38,362,618	1,773,364	\$20,141,659
Class 1 shares				
Sold	2,773,641	\$31,517,616	7,668,240	\$85,599,060
Distributions reinvested	864,347	10,311,659	2,291,962	23,951,005
Repurchased	(3,743,437)	(44,428,651)	(2,735,005)	(30,495,048)
Net increase (decrease)	(105,449)	\$(2,599,376)	7,225,197	\$79,055,017
Total net increase	4,762,663	\$53,566,912	14,105,928	\$156,086,990

2030 Lifetime Blend Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	4,106,509	\$45,669,276	7,989,229	\$86,283,943
Distributions reinvested	291,537	3,329,351	552,493	5,618,858
Repurchased	(2,049,997)	(22,627,866)	(3,182,211)	(34,318,992)
Net increase	2,348,049	\$26,370,761	5,359,511	\$57,583,809

2030 Lifetime Blend Portfolio , Cont'd

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R4 shares				
Sold	59,511	\$654,277	108,004	\$1,167,346
Distributions reinvested	12,529	142,833	72,996	741,644
Repurchased	(678,453)	(7,195,983)	(19,485)	(210,705)
Net increase (decrease)	(606,413)	\$(6,398,873)	161,515	\$1,698,285
Class R6 shares				
Sold	5,382,290	\$59,429,596	6,582,019	\$70,845,310
Distributions reinvested	423,061	4,822,900	795,459	8,073,904
Repurchased	(1,964,755)	(21,854,127)	(2,662,652)	(28,481,982)
Net increase	3,840,596	\$42,398,369	4,714,826	\$50,437,232
Class 1 shares				
Sold	2,813,228	\$30,715,654	7,280,561	\$78,726,199
Distributions reinvested	930,171	10,594,643	2,390,039	24,258,898
Repurchased	(3,020,504)	(34,061,818)	(4,208,838)	(45,281,400)
Net increase	722,895	\$7,248,479	5,461,762	\$57,703,697
Total net increase	6,305,127	\$69,618,736	15,697,614	\$167,423,023

2025 Lifetime Blend Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	4,582,441	\$48,565,414	9,822,633	\$101,986,288
Distributions reinvested	399,793	4,349,749	597,214	5,900,225
Repurchased	(2,127,332)	(22,408,811)	(4,193,059)	(43,604,364)
Net increase	2,854,902	\$30,506,352	6,226,788	\$64,282,149
Class R4 shares				
Sold	25,173	\$259,845	72,676	\$749,888
Distributions reinvested	5,850	63,530	35,557	350,594
Repurchased	(418,527)	(4,263,286)	(100,506)	(1,043,206)
Net increase (decrease)	(387,504)	\$(3,939,911)	7,727	\$57,276
Class R6 shares				
Sold	3,566,813	\$37,924,242	5,263,823	\$54,791,934
Distributions reinvested	343,573	3,731,202	584,433	5,762,510
Repurchased	(2,067,524)	(21,996,992)	(2,757,679)	(28,498,713)
Net increase	1,842,862	\$19,658,452	3,090,577	\$32,055,731
Class 1 shares				
Sold	1,695,895	\$17,589,420	5,831,441	\$60,279,213
Distributions reinvested	753,817	8,178,918	1,601,586	15,775,618
Repurchased	(4,029,450)	(43,291,588)	(5,596,626)	(58,212,582)
Net increase (decrease)	(1,579,738)	\$(17,523,250)	1,836,401	\$17,842,249
Total net increase	2,730,522	\$28,701,643	11,161,493	\$114,237,405

2020 Lifetime Blend Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	2,087,273	\$21,391,949	5,544,940	\$55,426,900
Distributions reinvested	266,128	2,767,734	333,258	3,189,277
Repurchased	(1,558,502)	(15,627,870)	(2,473,073)	(24,682,798)
Net increase	794,899	\$8,531,813	3,405,125	\$33,933,379

2020 Lifetime Blend Portfolio , Cont'd

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R4 shares				
Sold	10,771	\$107,401	37,655	\$377,708
Distributions reinvested	4,646	48,230	18,149	173,321
Repurchased	(228,731)	(2,260,510)	(64,424)	(642,443)
Net decrease	(213,314)	\$(2,104,879)	(8,620)	\$(91,414)
Class R6 shares				
Sold	1,287,265	\$13,088,743	2,526,857	\$25,399,389
Distributions reinvested	162,663	1,690,073	253,006	2,418,735
Repurchased	(1,183,680)	(11,962,621)	(1,719,464)	(17,095,877)
Net increase	266,248	\$2,816,195	1,060,399	\$10,722,247
Class 1 shares				
Sold	938,550	\$9,503,254	3,004,147	\$29,990,076
Distributions reinvested	349,503	3,627,841	589,051	5,625,441
Repurchased	(2,038,755)	(21,037,713)	(2,912,596)	(29,105,137)
Net increase (decrease)	(750,702)	\$(7,906,618)	680,602	\$6,510,380
Total net increase	97,131	\$1,336,511	5,137,506	\$51,074,592

2015 Lifetime Blend Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	601,739	\$5,873,252	1,469,680	\$14,065,860
Distributions reinvested	77,482	774,042	88,460	817,369
Repurchased	(309,410)	(3,022,061)	(246,330)	(2,362,689)
Net increase	369,811	\$3,625,233	1,311,810	\$12,520,540
Class R4 shares				
Sold	1,483	\$14,337	3,484	\$33,420
Distributions reinvested	356	3,550	2,913	26,859
Repurchased	(42,748)	(403,774)	(13,174)	(125,123)
Net decrease	(40,909)	\$(385,887)	(6,777)	\$(64,844)
Class R6 shares				
Sold	950,513	\$9,457,032	711,122	\$6,828,254
Distributions reinvested	69,897	696,871	76,690	707,085
Repurchased	(536,050)	(5,238,812)	(623,938)	(5,928,197)
Net increase	484,360	\$4,915,091	163,874	\$1,607,142
Class 1 shares				
Sold	291,671	\$2,797,370	950,456	\$9,074,578
Distributions reinvested	106,519	1,061,995	166,242	1,532,747
Repurchased	(578,486)	(5,721,077)	(1,024,777)	(9,928,813)
Net increase (decrease)	(180,296)	\$(1,861,712)	91,921	\$678,512
Total net increase	632,966	\$6,292,725	1,560,828	\$14,741,350

2010 Lifetime Blend Portfolio

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	311,804	\$2,937,809	924,460	\$8,767,140
Distributions reinvested	35,240	342,535	44,661	405,522
Repurchased	(182,565)	(1,707,801)	(242,056)	(2,285,464)
Net increase	164,479	\$1,572,543	727,065	\$6,887,198

2010 Lifetime Blend Portfolio , Cont'd

	Six Months Ended 2-29-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class R4 shares				
Sold	1	\$10	663	\$6,257
Distributions reinvested	160	1,557	990	8,971
Repurchased	(2,095)	(19,516)	(12,349)	(117,379)
Net decrease	(1,934)	\$(17,949)	(10,696)	\$(102,151)
Class R6 shares				
Sold	476,327	\$4,582,590	715,831	\$6,769,454
Distributions reinvested	35,647	346,128	35,193	318,850
Repurchased	(276,451)	(2,633,582)	(373,636)	(3,495,353)
Net increase	235,523	\$2,295,136	377,388	\$3,592,951
Class 1 shares				
Sold	306,675	\$2,881,848	1,601,454	\$15,028,297
Distributions reinvested	122,945	1,192,562	190,809	1,726,825
Repurchased	(784,456)	(7,493,139)	(1,302,442)	(12,339,855)
Net increase (decrease)	(354,836)	\$(3,418,729)	489,821	\$4,415,267
Total net increase	43,232	\$431,001	1,583,578	\$14,793,265

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
2065 Lifetime Blend Portfolio	R4	100%
2065 Lifetime Blend Portfolio	1	100%
2060 Lifetime Blend Portfolio	1	100%
2055 Lifetime Blend Portfolio	1	100%
2050 Lifetime Blend Portfolio	1	100%
2045 Lifetime Blend Portfolio	1	100%
2040 Lifetime Blend Portfolio	1	100%
2035 Lifetime Blend Portfolio	1	100%
2030 Lifetime Blend Portfolio	1	100%
2025 Lifetime Blend Portfolio	1	100%
2020 Lifetime Blend Portfolio	1	100%
2015 Lifetime Blend Portfolio	1	100%
2010 Lifetime Blend Portfolio	R4	48%
2010 Lifetime Blend Portfolio	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
2065 Lifetime Blend Portfolio	\$463,036	\$17,032,566	\$174,662	\$7,980,489
2060 Lifetime Blend Portfolio	1,348,452	39,507,377	702,868	22,582,019
2055 Lifetime Blend Portfolio	2,412,246	66,766,709	1,317,023	37,009,742
2050 Lifetime Blend Portfolio	3,058,125	80,006,724	1,717,308	48,804,188
2045 Lifetime Blend Portfolio	4,061,825	99,689,507	2,483,041	75,979,961
2040 Lifetime Blend Portfolio	5,378,211	154,409,415	4,614,064	98,080,352
2035 Lifetime Blend Portfolio	7,993,786	203,793,028	6,993,517	155,182,744
2030 Lifetime Blend Portfolio	13,710,857	244,400,038	9,905,842	185,843,061
2025 Lifetime Blend Portfolio	11,553,580	214,620,283	10,205,741	193,379,899
2020 Lifetime Blend Portfolio	5,826,736	105,219,831	5,634,413	107,755,588
2015 Lifetime Blend Portfolio	2,401,868	40,014,979	1,769,398	35,512,677
2010 Lifetime Blend Portfolio	1,541,253	26,919,371	1,328,438	27,461,645

Note 7 — Investment in affiliated underlying funds

Certain 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 portfolios did not hold 5% or more of the net assets of any affiliated underlying funds.

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	
2065 Lifetime Blend Portfolio									
Bond	48,208	—	\$648,729	\$(1,426)	\$(26)	\$(3,702)	\$1,554	—	\$643,575
Emerging Markets Debt	40,353	—	303,751	(692)	(6)	1,612	920	—	304,665
High Yield	79,962	—	241,852	(556)	(2)	(608)	805	—	240,686
International Strategic Equity Allocation	1,403,174	\$10,122,018	4,081,386	(1,250,051)	(68,741)	656,017	412,858	—	13,540,629
John Hancock Collateral Trust*	221	235,087	3,364,831	(3,599,209)	1,564	(60)	2,627	—	2,213
U.S. Sector Rotation	1,508,511	12,182,361	3,810,751	(1,552,407)	33,134	1,787,905	197,448	—	16,261,744
					\$(34,077)	\$2,441,164	\$616,212	—	\$30,993,512
2060 Lifetime Blend Portfolio									
Bond	165,933	—	\$2,228,314	—	—	\$(13,111)	\$8,097	—	\$2,215,203
Emerging Markets Debt	138,896	—	1,043,164	—	—	5,502	3,156	—	1,048,666
High Yield	275,231	—	830,564	—	—	(2,117)	—	—	828,447
International Strategic Equity Allocation	4,986,553	\$39,840,896	9,511,923	\$(3,187,721)	\$(172,366)	2,127,504	1,459,155	—	48,120,236
John Hancock Collateral Trust*	516,412	231,280	70,550,574	(65,622,129)	4,895	(287)	10,044	—	5,164,333
U.S. Sector Rotation	5,360,895	47,915,499	7,528,655	(4,028,958)	92,174	6,283,075	697,882	—	57,790,445
					\$(75,297)	\$8,400,566	\$2,178,334	—	\$115,167,330
2055 Lifetime Blend Portfolio									
Bond	309,363	—	\$4,154,728	\$(2,013)	\$(15)	\$(22,701)	\$14,222	—	\$4,129,999
Emerging Markets Debt	258,957	—	1,945,335	—	—	9,787	5,549	—	1,955,122
High Yield	513,138	—	1,548,107	—	—	(3,561)	—	—	1,544,546
International Strategic Equity Allocation	8,969,083	\$71,776,986	15,977,048	(4,721,129)	(258,817)	3,777,563	2,629,425	—	86,551,651
John Hancock Collateral Trust*	52,487	2,133,470	23,433,788	(25,042,411)	179	(133)	7,823	—	524,893
U.S. Sector Rotation	9,642,394	86,664,496	12,118,865	(6,394,096)	153,790	11,401,956	1,257,740	—	103,945,011
					\$(104,863)	\$15,162,911	\$3,914,759	—	\$198,651,222
2050 Lifetime Blend Portfolio									
Bond	387,152	—	\$5,197,557	—	—	\$(29,080)	\$18,785	—	\$5,168,477
Emerging Markets Debt	324,101	—	2,433,660	—	—	13,304	7,328	—	2,446,964

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	
High Yield	642,226	—	\$1,937,820	—	—	\$(4,719)	—	—	\$1,933,101
International Strategic Equity Allocation	11,591,675	\$94,526,639	19,706,974	\$(6,976,578)	\$(372,205)	4,974,832	\$3,434,548	—	111,859,662
John Hancock Collateral Trust*	967,025	715,714	154,283,791	(145,333,012)	4,330	(184)	17,675	—	9,670,639
U.S. Sector Rotation	12,461,874	113,842,530	13,466,172	(8,068,792)	227,883	14,871,204	1,642,551	—	134,338,997
					\$(139,992)	\$19,825,357	\$5,120,887	—	\$265,417,840
2045 Lifetime Blend Portfolio									
Bond	732,341	—	\$9,829,366	—	—	\$(52,610)	\$35,866	—	\$9,776,756
Emerging Markets Debt	789,783	—	5,931,810	—	—	31,053	16,777	—	5,962,863
High Yield	1,478,577	—	4,461,085	—	—	(10,568)	—	—	4,450,517
International Strategic Equity Allocation	13,558,143	\$115,928,585	19,463,584	\$(9,946,177)	\$(517,926)	5,908,009	4,129,475	—	130,836,075
John Hancock Collateral Trust*	391,778	2,321,215	56,851,049	(55,253,999)	324	(653)	17,508	—	3,917,936
U.S. Sector Rotation	14,679,883	140,445,260	14,165,906	(14,336,791)	448,258	17,526,508	1,992,874	—	158,249,141
					\$(69,344)	\$23,401,739	\$6,192,500	—	\$313,193,288
2040 Lifetime Blend Portfolio									
Bond	2,057,955	—	\$27,622,798	—	—	\$(149,097)	\$89,611	—	\$27,473,701
Emerging Markets Debt	1,666,642	—	12,521,413	—	—	61,736	34,227	—	12,583,149
High Yield	3,287,446	—	9,918,958	—	—	(23,746)	—	—	9,895,212
International Strategic Equity Allocation	14,075,930	\$115,434,504	20,047,062	\$(5,190,534)	\$(263,633)	5,805,328	4,063,996	—	135,832,727
John Hancock Collateral Trust*	843,912	1,393,650	262,448,637	(255,412,498)	10,065	(397)	40,542	—	8,439,457
U.S. Sector Rotation	15,273,709	140,247,559	17,082,812	(11,146,707)	346,069	18,120,847	1,971,608	—	164,650,580
					\$92,501	\$23,814,671	\$6,199,984	—	\$358,874,826
2035 Lifetime Blend Portfolio									
Bond	4,080,129	—	\$54,759,002	—	—	\$(289,275)	\$171,509	—	\$54,469,727
Emerging Markets Debt	2,954,891	—	22,197,785	—	—	111,646	60,203	—	22,309,431
High Yield	5,918,170	—	17,856,293	—	—	(42,602)	—	—	17,813,691
International Strategic Equity Allocation	14,707,571	\$125,344,834	17,786,580	\$(7,108,537)	\$(367,388)	6,272,574	4,376,324	—	141,928,063
John Hancock Collateral Trust*	2,299,596	1,743,098	461,490,409	(440,252,301)	15,836	(167)	64,273	—	22,996,875
U.S. Sector Rotation	15,994,591	151,086,378	12,443,169	(10,619,883)	367,533	19,144,494	2,117,843	—	172,421,691
					\$15,981	\$25,196,670	\$6,790,152	—	\$431,939,478

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	
2030 Lifetime Blend Portfolio									
Bond	5,496,396	—	\$73,758,201	—	—	\$(381,321)	\$218,834	—	\$73,376,880
Emerging Markets Debt	4,236,685	—	31,827,746	—	—	159,226	86,121	—	31,986,972
High Yield	6,791,868	—	20,490,978	—	—	(47,456)	—	—	20,443,522
International Strategic Equity Allocation	12,807,839	\$109,737,431	14,032,763	\$(5,291,755)	\$(257,627)	5,374,836	3,750,944	—	123,595,648
John Hancock Collateral Trust*	501,660	24,836,822	395,900,476	(415,733,073)	12,782	(199)	107,852	—	5,016,808
U.S. Sector Rotation	14,115,164	134,535,029	11,789,904	(11,253,997)	230,503	16,860,026	1,828,514	—	152,161,465
					\$(14,342)	\$21,965,112	\$5,992,265	—	\$406,581,295
2025 Lifetime Blend Portfolio									
Bond	5,626,754	—	\$75,525,454	—	—	\$(408,294)	\$223,113	—	\$75,117,160
Emerging Markets Debt	4,090,636	—	30,731,068	—	—	153,232	83,750	—	30,884,300
High Yield	6,623,536	—	19,985,935	—	—	(49,092)	—	—	19,936,843
International Strategic Equity Allocation	7,672,915	\$70,055,324	8,292,044	\$(7,374,471)	\$(350,274)	3,421,004	2,337,682	—	74,043,627
John Hancock Collateral Trust*	1,030,130	12,962,612	448,016,498	(450,694,982)	20,190	(2,608)	81,159	—	10,301,710
U.S. Sector Rotation	7,418,736	79,494,057	7,342,279	(16,251,736)	440,081	8,949,294	1,034,885	—	79,973,975
					\$109,997	\$12,063,536	\$3,760,589	—	\$290,257,615
2020 Lifetime Blend Portfolio									
Bond	3,028,252	—	\$40,645,551	—	—	\$(218,388)	\$117,016	—	\$40,427,163
Emerging Markets Debt	2,058,293	—	15,468,510	\$(5,578)	\$7	77,174	42,137	—	15,540,113
High Yield	3,247,164	—	9,797,794	—	—	(23,830)	—	—	9,773,964
International Strategic Equity Allocation	2,296,346	\$22,223,701	2,395,589	(3,356,288)	(189,356)	1,086,095	724,631	—	22,159,741
John Hancock Collateral Trust*	2,265	9,032,588	236,689,068	(245,704,719)	7,297	(1,582)	61,375	—	22,652
U.S. Sector Rotation	2,501,725	27,034,543	2,372,133	(5,537,886)	103,390	2,996,414	351,394	—	26,968,594
					\$(78,662)	\$3,915,883	\$1,296,553	—	\$114,892,227
2015 Lifetime Blend Portfolio									
Bond	1,031,303	—	\$13,977,938	\$(134,888)	\$(1,710)	\$(73,443)	\$39,307	—	\$13,767,897
Emerging Markets Debt	675,324	—	5,133,034	(59,490)	(318)	25,467	13,801	—	5,098,693
High Yield	1,058,391	—	3,230,189	(36,458)	(242)	(7,731)	—	—	3,185,758
International Strategic Equity Allocation	563,689	\$5,113,956	1,009,699	(912,238)	(50,199)	278,378	171,154	—	5,439,596

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	
John Hancock Collateral Trust*	288	\$4,493,675	\$108,016,414	\$(112,510,003)	\$3,881	\$(1,082)	\$30,526	—	\$2,885
U.S. Sector Rotation	745,527	7,674,914	1,136,276	(1,712,775)	42,532	895,831	101,295	—	8,036,778
					\$(6,056)	\$1,117,420	\$356,083	—	\$35,531,607
2010 Lifetime Blend Portfolio									
Bond	782,052	—	\$10,496,414	—	—	\$(56,015)	\$29,227	—	\$10,440,399
Emerging Markets Debt	497,709	—	3,739,204	—	—	18,497	10,036	—	3,757,701
High Yield	771,311	—	2,327,281	—	—	(5,635)	—	—	2,321,646
International Strategic Equity Allocation	303,966	\$3,005,681	484,279	\$(677,480)	\$(43,612)	164,400	94,933	—	2,933,268
John Hancock Collateral Trust*	119	2,499,111	88,990,710	(91,492,528)	4,558	(662)	19,158	—	1,189
U.S. Sector Rotation	395,732	4,138,780	536,259	(888,368)	6,690	472,630	53,792	—	4,265,991
					\$(32,364)	\$593,215	\$207,146	—	\$23,720,194

* Refer to the Securities lending note within Note 2 for details regarding this investment.

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

Officers

Kristie M. Feinberg[#]
President
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.

The portfolios' proxy voting policies and procedures, as well as the fund proxy voting record for the most recent twelve-month period ended June 30, are available free of charge on the Securities and Exchange Commission (SEC) website at sec.gov or on our website.

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.

We make this information on your portfolio, as well as **monthly portfolio holdings**, and other portfolio details available on our website at jhinvestments.com or by calling 800-225-5291.

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Subadvisor

Manulife Investment Management (US) LLC

Portfolio Managers

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John Hancock family of funds

U.S. EQUITY FUNDS

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

A fund's investment objectives, risks, charges, and expenses should be considered carefully before investing. The prospectus contains this and other important information about the fund. To obtain a prospectus, contact your financial professional, call John Hancock Investment Management at 800-225-5291, or visit our website at jhinvestments.com. Please read the prospectus carefully before investing or sending money.

EXCHANGE-TRADED FUNDS

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
Tax-Advantaged Global Shareholder Yield

John Hancock ETF shares are bought and sold at market price (not NAV), and are not individually redeemed from the fund. Brokerage commissions will reduce returns.

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Our unique approach to asset management enables us to provide a diverse set of investments backed by some of the world's best managers, along with strong risk-adjusted returns across asset classes.



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