

# John Hancock Lifetime Blend Portfolios

Quarterly portfolio holdings 5/31/2024

 Investment Management

# Portfolios' investments

## 2065 LIFETIME BLEND PORTFOLIO

As of 5-31-24 (unaudited)

|  | Shares or<br>Principal<br>Amount | Value        |
|--|----------------------------------|--------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 55.0%</b>                           |                                  |              |
| <b>Equity - 53.5%</b>  |                                  |              |
| International Strategic Equity Allocation,<br>Class NAV, JHF II (MIM US) (B) | 1,515,652                        | \$15,292,927 |
| U.S. Sector Rotation, Class NAV, JHF II (MIM<br>US) (B)                      | 1,718,245                        | 19,209,979   |
| <b>Fixed income - 1.5%</b>   |                                  |              |
| Bond, Class NAV, JHSB (MIM US) (B)   | 24,564                           | 325,479      |
| Emerging Markets Debt, Class NAV, JHF II<br>(MIM US) (B)                     | 49,415                           | 373,085      |
| High Yield, Class NAV, JHBT (MIM US) (B)                                     | 98,574                           | 294,737      |
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost<br>\$30,982,193)                 |                                  | \$35,496,207 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 43.0%</b>                             |                                  |              |
| <b>Equity - 43.0%</b>  |                                  |              |
| Fidelity Mid Cap Index Fund  | 269,756                          | 8,537,777    |
| Fidelity Small Cap Index Fund  | 104,964                          | 2,699,683    |
| Financial Select Sector SPDR Fund  | 12,844                           | 534,824      |
| iShares MSCI Global Min Vol Factor ETF                                       | 3,811                            | 397,983      |
| Vanguard Dividend Appreciation ETF   | 1,472                            | 266,285      |
| Vanguard FTSE All World ex-US Small-Cap ETF                                  | 9,430                            | 1,129,997    |
| Vanguard FTSE Developed Markets ETF  | 22,967                           | 1,164,886    |
| Vanguard FTSE Emerging Markets ETF   | 65,850                           | 2,836,818    |
| Vanguard Health Care ETF   | 2,946                            | 773,178      |
| Vanguard Information Technology ETF  | 943                              | 504,137      |
| Vanguard S&P 500 ETF   | 18,396                           | 8,915,070    |
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost<br>\$24,289,234)               |                                  | \$27,760,638 |
| <b>COMMON STOCKS - 0.0%</b>  |                                  |              |
| <b>Consumer staples - 0.0%</b>   |                                  |              |
| China Huishan Dairy Holdings Company,<br>Ltd. (C)(D)                         | 300                              | 0            |
| ICA Gruppen AB (C)(D)  | 13                               | 0            |
| <b>Health care - 0.0%</b>  |                                  |              |
| NMC Health PLC (C)(D)  | 9                                | 0            |
| <b>Real estate - 0.0%</b>  |                                  |              |
| Dalian Wanda Commercial Properties<br>Company, Ltd., H Shares (C)(D)(E)      | 240                              | 725          |
| <b>Utilities - 0.0%</b>  |                                  |              |
| China Common Rich Renewable Energy<br>Investments, Ltd. (C)(D)               | 1,216                            | 33           |
| TOTAL COMMON STOCKS (Cost<br>\$303)  |                                  | \$758        |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 1.7%</b>                         |                                  |              |
| <b>U.S. Government - 1.7%</b>  |                                  |              |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                                 | \$249,300                        | 66,362       |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                                 | 1,084,700                        | 302,733      |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                                 | 1,409,700                        | 405,833      |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                                 | 1,208,800                        | 365,265      |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost<br>\$1,313,578)           |                                  | \$1,140,193  |

## 2065 LIFETIME BLEND PORTFOLIO (continued)

|  | Shares or<br>Principal<br>Amount | Value               |
|--|----------------------------------|---------------------|
| <b>SHORT-TERM INVESTMENTS - 0.2%</b>                 |                                  |                     |
| <b>Short-term funds - 0.2%</b>                       |                                  |                     |
| John Hancock Collateral Trust, 5.2280% (F)(G)        | 11,770                           | \$117,664           |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$117,352)        |                                  | \$117,664           |
| <b>Total investments (Cost \$56,702,660) - 99.9%</b> |                                  | <b>\$64,515,460</b> |
| <b>Other assets and liabilities, net - 0.1%</b>      |                                  | <b>47,653</b>       |
| <b>TOTAL NET ASSETS - 100.0%</b>                     |                                  | <b>\$64,563,113</b> |

## 2060 LIFETIME BLEND PORTFOLIO

As of 5-31-24 (unaudited)

|  | Shares or<br>Principal<br>Amount | Value         |
|--|----------------------------------|---------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 55.0%</b>                           |                                  |               |
| <b>Equity - 53.5%</b>  |                                  |               |
| International Strategic Equity Allocation,<br>Class NAV, JHF II (MIM US) (B) | 5,226,281                        | \$52,733,172  |
| U.S. Sector Rotation, Class NAV, JHF II (MIM<br>US) (B)                      | 5,924,864                        | 66,239,978    |
| <b>Fixed income - 1.5%</b>   |                                  |               |
| Bond, Class NAV, JHSB (MIM US) (B)   | 83,728                           | 1,109,398     |
| Emerging Markets Debt, Class NAV, JHF II<br>(MIM US) (B)                     | 168,432                          | 1,271,662     |
| High Yield, Class NAV, JHBT (MIM US) (B)                                     | 335,991                          | 1,004,613     |
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost<br>\$107,658,743)                |                                  | \$122,358,823 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 43.1%</b>                             |                                  |               |
| <b>Equity - 43.1%</b>  |                                  |               |
| Fidelity Mid Cap Index Fund  | 930,906                          | 29,463,161    |
| Fidelity Small Cap Index Fund  | 363,020                          | 9,336,880     |
| Financial Select Sector SPDR Fund  | 45,569                           | 1,897,493     |
| iShares MSCI Global Min Vol Factor ETF                                       | 13,546                           | 1,414,609     |
| Vanguard Dividend Appreciation ETF   | 5,232                            | 946,469       |
| Vanguard FTSE All World ex-US Small-Cap ETF                                  | 32,613                           | 3,908,016     |
| Vanguard FTSE Developed Markets ETF  | 79,430                           | 4,028,690     |
| Vanguard FTSE Emerging Markets ETF   | 227,574                          | 9,803,888     |
| Vanguard Health Care ETF   | 10,144                           | 2,662,293     |
| Vanguard Information Technology ETF  | 3,250                            | 1,737,483     |
| Vanguard S&P 500 ETF   | 63,577                           | 30,810,686    |
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost<br>\$81,411,685)               |                                  | \$96,009,668  |
| <b>COMMON STOCKS - 0.0%</b>  |                                  |               |
| <b>Consumer staples - 0.0%</b>   |                                  |               |
| China Huishan Dairy Holdings Company,<br>Ltd. (C)(D)                         | 2,326                            | 0             |
| ICA Gruppen AB (C)(D)  | 100                              | 0             |
| <b>Health care - 0.0%</b>  |                                  |               |
| NMC Health PLC (C)(D)  | 73                               | 0             |
| <b>Real estate - 0.0%</b>  |                                  |               |
| Dalian Wanda Commercial Properties<br>Company, Ltd., H Shares (C)(D)(E)      | 1,860                            | 5,619         |

## 2060 LIFETIME BLEND PORTFOLIO (continued)

|   | Shares or<br>Principal<br>Amount | Value                |
|---|----------------------------------|----------------------|
| <b>Utilities - 0.0%</b>   |                                  |                      |
| China Common Rich Renewable Energy Investments, Ltd. (C)(D)     | 9,419                            | \$259                |
| TOTAL COMMON STOCKS (Cost \$2,348)                              |                                  | \$5,878              |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 1.8%</b>            |                                  |                      |
| <b>U.S. Government - 1.8%</b>                                   |                                  |                      |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                    | \$859,500                        | 228,795              |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                    | 3,798,800                        | 1,060,221            |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                    | 4,802,400                        | 1,382,544            |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                    | 4,268,400                        | 1,289,787            |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$4,772,875) |                                  | \$3,961,347          |
| <b>SHORT-TERM INVESTMENTS - 0.1%</b>                            |                                  |                      |
| <b>Short-term funds - 0.1%</b>                                  |                                  |                      |
| John Hancock Collateral Trust, 5.2280% (F)(G)                   | 25,645                           | 256,361              |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$256,190)                   |                                  | \$256,361            |
| <b>Total investments (Cost \$194,101,841) - 100.0%</b>          |                                  | <b>\$222,592,077</b> |
| <b>Other assets and liabilities, net - 0.0%</b>                 |                                  | <b>102,401</b>       |
| <b>TOTAL NET ASSETS - 100.0%</b>                                |                                  | <b>\$222,694,478</b> |

## 2055 LIFETIME BLEND PORTFOLIO

As of 5-31-24 (unaudited)

|   | Shares or<br>Principal<br>Amount | Value         |
|---|----------------------------------|---------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 54.9%</b>                        |                                  |               |
| <b>Equity - 53.4%</b>   |                                  |               |
| International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B) | 9,278,584                        | \$93,620,909  |
| U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)                      | 10,518,827                       | 117,600,491   |
| <b>Fixed income - 1.5%</b>  |                                  |               |
| Bond, Class NAV, JHSB (MIM US) (B)  | 145,577                          | 1,928,897     |
| Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)                     | 292,851                          | 2,211,024     |
| High Yield, Class NAV, JHBT (MIM US) (B)                                  | 584,184                          | 1,746,709     |
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$191,467,934)                |                                  | \$217,108,030 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 43.1%</b>                          |                                  |               |
| <b>Equity - 43.1%</b>   |                                  |               |
| Fidelity Mid Cap Index Fund   | 1,651,058                        | 52,255,998    |
| Fidelity Small Cap Index Fund   | 643,678                          | 16,555,392    |
| Financial Select Sector SPDR Fund   | 81,963                           | 3,412,939     |
| iShares MSCI Global Min Vol Factor ETF                                    | 24,365                           | 2,544,437     |
| Vanguard Dividend Appreciation ETF  | 9,410                            | 1,702,269     |
| Vanguard FTSE All World ex-US Small-Cap ETF                               | 57,990                           | 6,948,942     |
| Vanguard FTSE Developed Markets ETF                                       | 140,964                          | 7,149,694     |
| Vanguard FTSE Emerging Markets ETF  | 404,065                          | 17,407,120    |
| Vanguard Health Care ETF  | 17,981                           | 4,719,113     |
| Vanguard Information Technology ETF                                       | 5,774                            | 3,086,838     |
| Vanguard S&P 500 ETF  | 112,882                          | 54,704,875    |

## 2055 LIFETIME BLEND PORTFOLIO (continued)

|  | Shares or<br>Principal<br>Amount | Value                |
|--|----------------------------------|----------------------|
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$142,547,366)         |                                  | \$170,487,617        |
| <b>COMMON STOCKS - 0.0%</b>  |                                  |                      |
| <b>Consumer staples - 0.0%</b>                                       |                                  |                      |
| China Huishan Dairy Holdings Company, Ltd. (C)(D)                    | 4,869                            | \$0                  |
| ICA Gruppen AB (C)(D)  | 209                              | 0                    |
| <b>Health care - 0.0%</b>  |                                  |                      |
| NMC Health PLC (C)(D)  | 153                              | 0                    |
| <b>Real estate - 0.0%</b>  |                                  |                      |
| Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E) | 3,894                            | 11,764               |
| <b>Utilities - 0.0%</b>  |                                  |                      |
| China Common Rich Renewable Energy Investments, Ltd. (C)(D)          | 19,720                           | 542                  |
| TOTAL COMMON STOCKS (Cost \$4,917)                                   |                                  | \$12,306             |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 1.8%</b>                 |                                  |                      |
| <b>U.S. Government - 1.8%</b>  |                                  |                      |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                         | \$1,508,000                      | 401,422              |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                         | 6,800,300                        | 1,897,920            |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                         | 8,595,400                        | 2,474,495            |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                         | 7,635,000                        | 2,307,077            |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$8,570,080)      |                                  | \$7,080,914          |
| <b>SHORT-TERM INVESTMENTS - 0.1%</b>                                 |                                  |                      |
| <b>Short-term funds - 0.1%</b>                                       |                                  |                      |
| John Hancock Collateral Trust, 5.2280% (F)(G)                        | 36,089                           | 360,773              |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$360,770)                        |                                  | \$360,773            |
| <b>Total investments (Cost \$342,951,067) - 99.9%</b>                |                                  | <b>\$395,049,640</b> |
| <b>Other assets and liabilities, net - 0.1%</b>                      |                                  | <b>245,767</b>       |
| <b>TOTAL NET ASSETS - 100.0%</b>                                     |                                  | <b>\$395,295,407</b> |

## 2050 LIFETIME BLEND PORTFOLIO

As of 5-31-24 (unaudited)

|   | Shares or<br>Principal<br>Amount | Value         |
|---|----------------------------------|---------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 54.9%</b>                        |                                  |               |
| <b>Equity - 53.4%</b>   |                                  |               |
| International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B) | 12,035,173                       | \$121,434,898 |
| U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)                      | 13,643,849                       | 152,538,230   |
| <b>Fixed income - 1.5%</b>  |                                  |               |
| Bond, Class NAV, JHSB (MIM US) (B)  | 186,854                          | 2,475,821     |
| Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)                     | 375,973                          | 2,838,594     |
| High Yield, Class NAV, JHBT (MIM US) (B)                                  | 749,996                          | 2,242,489     |
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$248,077,268)                |                                  | \$281,530,032 |

## 2050 LIFETIME BLEND PORTFOLIO (continued)

|   | Shares or<br>Principal<br>Amount | Value                |
|---|----------------------------------|----------------------|
| <b>UNAFFILIATED INVESTMENT COMPANIES - 43.1%</b>                        |                                  |                      |
| <b>Equity - 43.1%</b>   |                                  |                      |
| Fidelity Mid Cap Index Fund   | 2,141,516                        | \$67,778,993         |
| Fidelity Small Cap Index Fund   | 835,059                          | 21,477,712           |
| Financial Select Sector SPDR Fund                                       | 106,256                          | 4,424,500            |
| iShares MSCI Global Min Vol Factor ETF                                  | 31,489                           | 3,288,396            |
| Vanguard Dividend Appreciation ETF                                      | 12,162                           | 2,200,106            |
| Vanguard FTSE All World ex-US Small-Cap ETF                             | 75,130                           | 9,002,828            |
| Vanguard FTSE Developed Markets ETF                                     | 182,532                          | 9,258,023            |
| Vanguard FTSE Emerging Markets ETF                                      | 523,329                          | 22,545,013           |
| Vanguard Health Care ETF  | 23,310                           | 6,117,710            |
| Vanguard Information Technology ETF                                     | 7,496                            | 4,007,437            |
| Vanguard S&P 500 ETF  | 145,954                          | 70,732,227           |
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost<br>\$184,138,860)         |                                  | \$220,832,945        |
| <b>COMMON STOCKS - 0.0%</b>   |                                  |                      |
| <b>Consumer staples - 0.0%</b>  |                                  |                      |
| China Huishan Dairy Holdings Company,<br>Ltd. (C)(D)                    | 6,675                            | 0                    |
| ICA Gruppen AB (C)(D)   | 287                              | 0                    |
| <b>Health care - 0.0%</b>   |                                  |                      |
| NMC Health PLC (C)(D)   | 209                              | 0                    |
| <b>Real estate - 0.0%</b>   |                                  |                      |
| Dalian Wanda Commercial Properties<br>Company, Ltd., H Shares (C)(D)(E) | 5,335                            | 16,117               |
| <b>Utilities - 0.0%</b>   |                                  |                      |
| China Common Rich Renewable Energy<br>Investments, Ltd. (C)(D)          | 27,032                           | 743                  |
| TOTAL COMMON STOCKS (Cost<br>\$6,739)                                   |                                  | \$16,860             |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 1.8%</b>                    |                                  |                      |
| <b>U.S. Government - 1.8%</b>   |                                  |                      |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                            | \$1,993,700                      | 530,713              |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                            | 8,833,400                        | 2,465,345            |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                            | 11,164,200                       | 3,214,017            |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                            | 9,894,800                        | 2,989,923            |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost<br>\$11,133,455)     |                                  | \$9,199,998          |
| <b>SHORT-TERM INVESTMENTS - 0.0%</b>                                    |                                  |                      |
| <b>Short-term funds - 0.0%</b>  |                                  |                      |
| John Hancock Collateral Trust, 5.2280% (F)(G)                           | 12,614                           | 126,101              |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$126,099)                           |                                  | \$126,101            |
| <b>Total investments (Cost \$443,482,421) - 99.8%</b>                   |                                  | <b>\$511,705,936</b> |
| <b>Other assets and liabilities, net - 0.2%</b>                         |                                  | <b>897,118</b>       |
| <b>TOTAL NET ASSETS - 100.0%</b>  |                                  | <b>\$512,603,054</b> |

## 2045 LIFETIME BLEND PORTFOLIO

As of 5-31-24 (unaudited)

|  | Shares or<br>Principal<br>Amount | Value         |
|--|----------------------------------|---------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 55.0%</b>                           |                                  |               |
| <b>Equity - 51.7%</b>  |                                  |               |
| International Strategic Equity Allocation,<br>Class NAV, JHF II (MIM US) (B) | 13,808,047                       | \$139,323,190 |
| U.S. Sector Rotation, Class NAV, JHF II (MIM<br>US) (B)                      | 15,744,306                       | 176,021,343   |
| <b>Fixed income - 3.3%</b>   |                                  |               |
| Bond, Class NAV, JHSB (MIM US) (B)   | 704,387                          | 9,333,124     |
| Emerging Markets Debt, Class NAV, JHF II<br>(MIM US) (B)                     | 805,872                          | 6,084,336     |
| High Yield, Class NAV, JHBT (MIM US) (B)                                     | 1,622,873                        | 4,852,391     |
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost<br>\$298,207,737)                |                                  | \$335,614,384 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 42.6%</b>                             |                                  |               |
| <b>Equity - 41.1%</b>  |                                  |               |
| Fidelity Mid Cap Index Fund  | 2,353,476                        | 74,487,528    |
| Fidelity Small Cap Index Fund  | 916,817                          | 23,580,521    |
| Financial Select Sector SPDR Fund  | 125,495                          | 5,225,612     |
| iShares Global Infrastructure ETF  | 12,650                           | 637,813       |
| iShares MSCI Global Min Vol Factor ETF                                       | 38,176                           | 3,986,720     |
| Vanguard Dividend Appreciation ETF   | 14,796                           | 2,676,596     |
| Vanguard Energy ETF  | 18,525                           | 2,418,624     |
| Vanguard FTSE All World ex-US Small-Cap ETF                                  | 89,482                           | 10,722,628    |
| Vanguard FTSE Developed Markets ETF  | 252,312                          | 12,797,265    |
| Vanguard FTSE Emerging Markets ETF   | 524,302                          | 22,586,930    |
| Vanguard Global ex-U.S. Real Estate ETF                                      | 15,108                           | 630,004       |
| Vanguard Health Care ETF   | 27,089                           | 7,109,508     |
| Vanguard Information Technology ETF  | 8,583                            | 4,588,558     |
| Vanguard Materials ETF (H)   | 6,275                            | 1,267,550     |
| Vanguard Real Estate ETF   | 23,107                           | 1,923,427     |
| Vanguard S&P 500 ETF   | 157,916                          | 76,529,252    |
| <b>Fixed income - 1.5%</b>   |                                  |               |
| Vanguard Total Bond Market ETF   | 130,437                          | 9,344,507     |
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost<br>\$217,891,869)              |                                  | \$260,513,043 |
| <b>COMMON STOCKS - 0.0%</b>  |                                  |               |
| <b>Consumer staples - 0.0%</b>   |                                  |               |
| China Huishan Dairy Holdings Company,<br>Ltd. (C)(D)                         | 8,519                            | 0             |
| ICA Gruppen AB (C)(D)  | 366                              | 0             |
| <b>Health care - 0.0%</b>  |                                  |               |
| NMC Health PLC (C)(D)  | 267                              | 0             |
| <b>Real estate - 0.0%</b>  |                                  |               |
| Dalian Wanda Commercial Properties<br>Company, Ltd., H Shares (C)(D)(E)      | 6,811                            | 20,575        |
| <b>Utilities - 0.0%</b>  |                                  |               |
| China Common Rich Renewable Energy<br>Investments, Ltd. (C)(D)               | 34,500                           | 948           |
| TOTAL COMMON STOCKS (Cost<br>\$8,601)  |                                  | \$21,523      |

## 2045 LIFETIME BLEND PORTFOLIO (continued)

|  | Shares or<br>Principal<br>Amount | Value                |
|--|----------------------------------|----------------------|
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 2.3%</b>             |                                  |                      |
| <b>U.S. Government - 2.3%</b>                                    |                                  |                      |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                     | \$3,048,000                      | \$811,363            |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                     | 13,211,300                       | 3,687,189            |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                     | 16,696,500                       | 4,806,688            |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                     | 14,755,300                       | 4,458,626            |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$16,901,528) |                                  | \$13,763,866         |
| <b>SHORT-TERM INVESTMENTS - 0.2%</b>                             |                                  |                      |
| <b>Short-term funds - 0.2%</b>                                   |                                  |                      |
| John Hancock Collateral Trust, 5.2280% (F)(I)                    | 146,523                          | 1,464,747            |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$1,464,671)                  |                                  | \$1,464,747          |
| <b>Total investments (Cost \$534,474,406) - 100.1%</b>           |                                  | <b>\$611,377,563</b> |
| <b>Other assets and liabilities, net - (0.1%)</b>                |                                  | <b>(892,937)</b>     |
| <b>TOTAL NET ASSETS - 100.0%</b>                                 |                                  | <b>\$610,484,626</b> |

## 2040 LIFETIME BLEND PORTFOLIO

As of 5-31-24 (unaudited)

|   | Shares or<br>Principal<br>Amount | Value         |
|---|----------------------------------|---------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 53.8%</b>                        |                                  |               |
| <b>Equity - 46.4%</b>   |                                  |               |
| International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B) | 14,357,040                       | \$144,862,538 |
| U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)                      | 16,326,724                       | 182,532,771   |
| <b>Fixed income - 7.4%</b>  |                                  |               |
| Bond, Class NAV, JHSB (MIM US) (B)  | 2,168,023                        | 28,726,298    |
| Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)                     | 1,700,870                        | 12,841,570    |
| High Yield, Class NAV, JHBT (MIM US) (B)                                  | 3,525,457                        | 10,541,117    |
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$342,828,835)                |                                  | \$379,504,294 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 43.1%</b>                          |                                  |               |
| <b>Equity - 39.0%</b>   |                                  |               |
| Fidelity Mid Cap Index Fund   | 2,342,767                        | 74,148,583    |
| Fidelity Small Cap Index Fund   | 912,386                          | 23,466,567    |
| Financial Select Sector SPDR Fund   | 139,722                          | 5,818,024     |
| iShares Global Infrastructure ETF   | 34,678                           | 1,748,465     |
| iShares MSCI Global Min Vol Factor ETF                                    | 103,624                          | 10,821,454    |
| Vanguard Dividend Appreciation ETF  | 40,323                           | 7,294,431     |
| Vanguard Energy ETF   | 50,673                           | 6,615,867     |
| Vanguard FTSE All World ex-US Small-Cap ETF                               | 103,149                          | 12,360,345    |
| Vanguard FTSE Developed Markets ETF                                       | 347,673                          | 17,633,975    |
| Vanguard FTSE Emerging Markets ETF  | 455,420                          | 19,619,494    |
| Vanguard Global ex-U.S. Real Estate ETF                                   | 41,416                           | 1,727,047     |
| Vanguard Health Care ETF (H)  | 31,157                           | 8,177,155     |
| Vanguard Information Technology ETF                                       | 9,623                            | 5,144,552     |
| Vanguard Materials ETF  | 17,205                           | 3,475,410     |
| Vanguard Real Estate ETF  | 63,331                           | 5,271,672     |
| Vanguard S&P 500 ETF  | 148,153                          | 71,797,907    |

## 2040 LIFETIME BLEND PORTFOLIO (continued)

|  | Shares or<br>Principal<br>Amount | Value                |
|--|----------------------------------|----------------------|
| <b>Fixed income - 4.1%</b>   |                                  |                      |
| Vanguard Total Bond Market ETF                                       | 399,203                          | \$28,598,903         |
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$259,368,482)         |                                  | \$303,719,851        |
| <b>COMMON STOCKS - 0.0%</b>  |                                  |                      |
| <b>Consumer staples - 0.0%</b>                                       |                                  |                      |
| China Huishan Dairy Holdings Company, Ltd. (C)(D)                    | 8,209                            | 0                    |
| ICA Gruppen AB (C)(D)  | 353                              | 0                    |
| <b>Health care - 0.0%</b>  |                                  |                      |
| NMC Health PLC (C)(D)  | 258                              | 0                    |
| <b>Real estate - 0.0%</b>  |                                  |                      |
| Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E) | 6,565                            | 19,831               |
| <b>Utilities - 0.0%</b>  |                                  |                      |
| China Common Rich Renewable Energy Investments, Ltd. (C)(D)          | 33,245                           | 914                  |
| TOTAL COMMON STOCKS (Cost \$8,288)                                   |                                  | \$20,745             |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 3.0%</b>                 |                                  |                      |
| <b>U.S. Government - 3.0%</b>  |                                  |                      |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                         | \$4,595,400                      | 1,223,273            |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                         | 20,134,400                       | 5,619,382            |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                         | 25,441,800                       | 7,324,337            |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                         | 22,543,200                       | 6,811,905            |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$26,537,864)     |                                  | \$20,978,897         |
| <b>SHORT-TERM INVESTMENTS - 0.8%</b>                                 |                                  |                      |
| <b>Short-term funds - 0.8%</b>                                       |                                  |                      |
| John Hancock Collateral Trust, 5.2280% (F)(I)                        | 586,983                          | 5,867,894            |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$5,868,170)                      |                                  | \$5,867,894          |
| <b>Total investments (Cost \$634,611,639) - 100.7%</b>               |                                  | <b>\$710,091,681</b> |
| <b>Other assets and liabilities, net - (0.7%)</b>                    |                                  | <b>(5,206,201)</b>   |
| <b>TOTAL NET ASSETS - 100.0%</b>                                     |                                  | <b>\$704,885,480</b> |

## 2035 LIFETIME BLEND PORTFOLIO

As of 5-31-24 (unaudited)

|   | Shares or<br>Principal<br>Amount | Value         |
|---|----------------------------------|---------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 53.7%</b>                        |                                  |               |
| <b>Equity - 41.3%</b>   |                                  |               |
| International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B) | 14,955,479                       | \$150,900,786 |
| U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)                      | 17,008,337                       | 190,153,212   |
| <b>Fixed income - 12.4%</b>   |                                  |               |
| Bond, Class NAV, JHSB (MIM US) (B)  | 4,536,127                        | 60,103,686    |
| Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)                     | 3,071,891                        | 23,192,777    |
| High Yield, Class NAV, JHBT (MIM US) (B)                                  | 6,545,560                        | 19,571,225    |

## 2035 LIFETIME BLEND PORTFOLIO (continued)

|  | Shares or<br>Principal<br>Amount | Value         |
|--|----------------------------------|---------------|
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$406,369,077)           |                                  | \$443,921,686 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 42.5%</b>                     |                                  |               |
| <b>Equity - 35.2%</b>  |                                  |               |
| Fidelity Mid Cap Index Fund  | 2,296,816                        | \$72,694,229  |
| Fidelity Small Cap Index Fund  | 895,659                          | 23,036,360    |
| Financial Select Sector SPDR Fund                                    | 154,064                          | 6,415,225     |
| iShares Global Infrastructure ETF                                    | 64,305                           | 3,242,258     |
| iShares MSCI Global Min Vol Factor ETF                               | 194,754                          | 20,338,160    |
| Vanguard Dividend Appreciation ETF                                   | 76,507                           | 13,840,116    |
| Vanguard Energy ETF  | 93,929                           | 12,263,370    |
| Vanguard FTSE All World ex-US Small-Cap ETF                          | 110,625                          | 13,256,194    |
| Vanguard FTSE Developed Markets ETF                                  | 423,152                          | 21,462,269    |
| Vanguard FTSE Emerging Markets ETF                                   | 353,569                          | 15,231,753    |
| Vanguard Global ex-U.S. Real Estate ETF                              | 76,682                           | 3,197,639     |
| Vanguard Health Care ETF   | 30,486                           | 8,001,051     |
| Vanguard Information Technology ETF                                  | 10,545                           | 5,637,462     |
| Vanguard Materials ETF (H)   | 31,843                           | 6,432,286     |
| Vanguard Real Estate ETF (H)   | 117,220                          | 9,757,393     |
| Vanguard S&P 500 ETF   | 114,955                          | 55,709,492    |
| <b>Fixed income - 7.3%</b>   |                                  |               |
| Vanguard Total Bond Market ETF                                       | 839,389                          | 60,133,828    |
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$305,899,447)         |                                  | \$350,649,085 |
| <b>COMMON STOCKS - 0.0%</b>  |                                  |               |
| <b>Consumer staples - 0.0%</b>                                       |                                  |               |
| China Huishan Dairy Holdings Company, Ltd. (C)(D)                    | 8,783                            | 0             |
| ICA Gruppen AB (C)(D)  | 377                              | 0             |
| <b>Health care - 0.0%</b>  |                                  |               |
| NMC Health PLC (C)(D)  | 276                              | 0             |
| <b>Real estate - 0.0%</b>  |                                  |               |
| Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E) | 7,026                            | 21,227        |
| <b>Utilities - 0.0%</b>  |                                  |               |
| China Common Rich Renewable Energy Investments, Ltd. (C)(D)          | 35,571                           | 978           |
| TOTAL COMMON STOCKS (Cost \$8,867)                                   |                                  | \$22,205      |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 3.7%</b>                 |                                  |               |
| <b>U.S. Government - 3.7%</b>  |                                  |               |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                         | \$6,779,000                      | 1,804,537     |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                         | 29,186,700                       | 8,145,821     |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                         | 36,881,500                       | 10,617,666    |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                         | 32,723,300                       | 9,888,038     |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$38,447,759)     |                                  | \$30,456,062  |
| <b>SHORT-TERM INVESTMENTS - 0.3%</b>                                 |                                  |               |
| <b>Short-term funds - 0.3%</b>                                       |                                  |               |
| John Hancock Collateral Trust, 5.2280% (F)(I)                        | 238,932                          | 2,388,528     |

## 2035 LIFETIME BLEND PORTFOLIO (continued)

|  | Shares or<br>Principal<br>Amount | Value                |
|--|----------------------------------|----------------------|
| TOTAL SHORT-TERM INVESTMENTS (Cost \$2,388,524)        |                                  | \$2,388,528          |
| <b>Total investments (Cost \$753,113,674) - 100.2%</b> |                                  | <b>\$827,437,566</b> |
| <b>Other assets and liabilities, net - (0.2%)</b>      |                                  | <b>(1,673,247)</b>   |
| <b>TOTAL NET ASSETS - 100.0%</b>                       |                                  | <b>\$825,764,319</b> |

## 2030 LIFETIME BLEND PORTFOLIO

### As of 5-31-24 (unaudited)

|   | Shares or<br>Principal<br>Amount | Value         |
|---|----------------------------------|---------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 51.7%</b>                        |                                  |               |
| <b>Equity - 35.7%</b>   |                                  |               |
| International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B) | 12,879,202                       | \$129,951,143 |
| U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)                      | 14,791,625                       | 165,370,366   |
| <b>Fixed income - 16.0%</b>   |                                  |               |
| Bond, Class NAV, JHSB (MIM US) (B)  | 5,862,676                        | 77,680,455    |
| Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)                     | 4,357,634                        | 32,900,135    |
| High Yield, Class NAV, JHBT (MIM US) (B)                                  | 7,126,430                        | 21,308,026    |
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$395,233,961)                |                                  | \$427,210,125 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 43.2%</b>                          |                                  |               |
| <b>Equity - 30.6%</b>   |                                  |               |
| Fidelity Mid Cap Index Fund   | 1,841,223                        | 58,274,703    |
| Fidelity Small Cap Index Fund   | 715,492                          | 18,402,451    |
| Financial Select Sector SPDR Fund   | 134,276                          | 5,591,253     |
| iShares Global Infrastructure ETF   | 87,431                           | 4,408,271     |
| iShares MSCI Global Min Vol Factor ETF                                    | 272,525                          | 28,459,786    |
| Vanguard Dividend Appreciation ETF  | 106,126                          | 19,198,193    |
| Vanguard Energy ETF (H)   | 128,104                          | 16,725,258    |
| Vanguard FTSE All World ex-US Small-Cap ETF (H)                           | 104,070                          | 12,470,708    |
| Vanguard FTSE Developed Markets ETF                                       | 348,064                          | 17,653,806    |
| Vanguard FTSE Emerging Markets ETF  | 187,586                          | 8,081,205     |
| Vanguard Global ex-U.S. Real Estate ETF                                   | 104,419                          | 4,354,272     |
| Vanguard Health Care ETF (H)  | 30,433                           | 7,987,141     |
| Vanguard Information Technology ETF                                       | 9,037                            | 4,831,271     |
| Vanguard Materials ETF (H)  | 43,366                           | 8,759,932     |
| Vanguard Real Estate ETF  | 159,630                          | 13,287,601    |
| Vanguard S&P 500 ETF  | 48,965                           | 23,729,418    |
| <b>Fixed income - 12.6%</b>   |                                  |               |
| Invesco Senior Loan ETF   | 387,253                          | 8,178,783     |
| Vanguard Short-Term Corporate Bond ETF                                    | 239,067                          | 18,439,238    |
| Vanguard Total Bond Market ETF  | 1,084,824                        | 77,716,791    |
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$322,424,292)              |                                  | \$356,550,081 |
| <b>COMMON STOCKS - 0.0%</b>   |                                  |               |
| <b>Consumer staples - 0.0%</b>  |                                  |               |
| China Huishan Dairy Holdings Company, Ltd. (C)(D)                         | 7,871                            | 0             |



## 2030 LIFETIME BLEND PORTFOLIO (continued)

|   | Shares or<br>Principal<br>Amount | Value                |
|---|----------------------------------|----------------------|
| <b>Consumer staples - (continued)</b>                                   |                                  |                      |
| ICA Gruppen AB (C)(D)   | 338                              | \$0                  |
| <b>Health care - 0.0%</b>   |                                  |                      |
| NMC Health PLC (C)(D)   | 247                              | 0                    |
| <b>Real estate - 0.0%</b>   |                                  |                      |
| Dalian Wanda Commercial Properties<br>Company, Ltd., H Shares (C)(D)(E) | 6,295                            | 19,018               |
| <b>Utilities - 0.0%</b>   |                                  |                      |
| China Common Rich Renewable Energy<br>Investments, Ltd. (C)(D)          | 31,878                           | 876                  |
| TOTAL COMMON STOCKS (Cost<br>\$7,947)                                   |                                  | \$19,894             |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 5.0%</b>                    |                                  |                      |
| <b>U.S. Government - 5.0%</b>   |                                  |                      |
| U.S. Treasury Inflation Protected Security,<br>0.125%, 04/15/2026       | \$4,552,242                      | 4,345,714            |
| U.S. Treasury Inflation Protected Security,<br>0.125%, 04/15/2027       | 2,557,556                        | 2,398,674            |
| U.S. Treasury Inflation Protected Security,<br>1.250%, 04/15/2028       | 2,381,656                        | 2,292,985            |
| U.S. Treasury Inflation Protected Security,<br>2.125%, 04/15/2029       | 1,777,651                        | 1,775,077            |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                            | 6,600,000                        | 1,756,888            |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                            | 29,524,400                       | 8,240,071            |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                            | 37,302,700                       | 10,738,924           |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                            | 32,885,100                       | 9,936,929            |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost<br>\$50,634,824)     |                                  | \$41,485,262         |
| <b>SHORT-TERM INVESTMENTS - 1.8%</b>                                    |                                  |                      |
| <b>Short-term funds - 1.8%</b>  |                                  |                      |
| John Hancock Collateral Trust, 5.2280% (F)(I)                           | 1,469,441                        | 14,689,558           |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$14,689,356)                        |                                  | \$14,689,558         |
| <b>Total investments (Cost \$782,990,380) - 101.7%</b>                  |                                  | <b>\$839,954,920</b> |
| <b>Other assets and liabilities, net - (1.7%)</b>                       |                                  | <b>(14,348,297)</b>  |
| <b>TOTAL NET ASSETS - 100.0%</b>  |                                  | <b>\$825,606,623</b> |

## 2025 LIFETIME BLEND PORTFOLIO

### As of 5-31-24 (unaudited)

|  | Shares or<br>Principal<br>Amount | Value        |
|--|----------------------------------|--------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 49.6%</b>                           |                                  |              |
| <b>Equity - 28.6%</b>  |                                  |              |
| International Strategic Equity Allocation,<br>Class NAV, JHF II (MIM US) (B) | 7,852,120                        | \$79,227,888 |
| U.S. Sector Rotation, Class NAV, JHF II (MIM<br>US) (B)                      | 9,075,610                        | 101,465,320  |
| <b>Fixed income - 21.0%</b>  |                                  |              |
| Bond, Class NAV, JHSB (MIM US) (B)   | 6,028,202                        | 79,873,673   |
| Emerging Markets Debt, Class NAV, JHF II<br>(MIM US) (B)                     | 4,198,044                        | 31,695,236   |
| High Yield, Class NAV, JHBT (MIM US) (B)                                     | 7,029,795                        | 21,019,086   |

## 2025 LIFETIME BLEND PORTFOLIO (continued)

|   | Shares or<br>Principal<br>Amount | Value         |
|---|----------------------------------|---------------|
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost<br>\$295,481,088)           |                                  | \$313,281,203 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 44.5%</b>                        |                                  |               |
| <b>Equity - 25.8%</b>   |                                  |               |
| Fidelity Mid Cap Index Fund   | 1,055,762                        | \$33,414,860  |
| Fidelity Small Cap Index Fund   | 412,491                          | 10,609,279    |
| Financial Select Sector SPDR Fund                                       | 88,637                           | 3,690,845     |
| iShares Global Infrastructure ETF                                       | 85,303                           | 4,300,977     |
| iShares MSCI Global Min Vol Factor ETF                                  | 215,636                          | 22,518,867    |
| Vanguard Dividend Appreciation ETF                                      | 82,754                           | 14,970,199    |
| Vanguard Energy ETF   | 124,011                          | 16,190,876    |
| Vanguard FTSE All World ex-US Small-Cap ETF                             | 66,666                           | 7,988,587     |
| Vanguard FTSE Developed Markets ETF                                     | 238,236                          | 12,083,330    |
| Vanguard FTSE Emerging Markets ETF                                      | 67,027                           | 2,887,523     |
| Vanguard Global ex-U.S. Real Estate ETF                                 | 101,871                          | 4,248,021     |
| Vanguard Health Care ETF  | 21,417                           | 5,620,892     |
| Vanguard Information Technology ETF (H)                                 | 5,739                            | 3,068,127     |
| Vanguard Materials ETF (H)  | 42,314                           | 8,547,428     |
| Vanguard Real Estate ETF  | 155,754                          | 12,964,963    |
| <b>Fixed income - 18.7%</b>   |                                  |               |
| Invesco Senior Loan ETF   | 536,353                          | 11,327,775    |
| Vanguard Short-Term Corporate Bond ETF                                  | 353,735                          | 27,283,581    |
| Vanguard Total Bond Market ETF  | 1,112,018                        | 79,664,970    |
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost<br>\$260,731,398)         |                                  | \$281,381,100 |
| <b>COMMON STOCKS - 0.0%</b>   |                                  |               |
| <b>Consumer staples - 0.0%</b>  |                                  |               |
| China Huishan Dairy Holdings Company,<br>Ltd. (C)(D)                    | 5,304                            | 0             |
| ICA Gruppen AB (C)(D)   | 228                              | 0             |
| <b>Health care - 0.0%</b>   |                                  |               |
| NMC Health PLC (C)(D)   | 166                              | 0             |
| <b>Real estate - 0.0%</b>   |                                  |               |
| Dalian Wanda Commercial Properties<br>Company, Ltd., H Shares (C)(D)(E) | 4,242                            | 12,814        |
| <b>Utilities - 0.0%</b>   |                                  |               |
| China Common Rich Renewable Energy<br>Investments, Ltd. (C)(D)          | 21,481                           | 591           |
| TOTAL COMMON STOCKS (Cost<br>\$5,357)                                   |                                  | \$13,405      |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 5.9%</b>                    |                                  |               |
| <b>U.S. Government - 5.9%</b>   |                                  |               |
| U.S. Treasury Inflation Protected Security,<br>0.125%, 04/15/2026       | \$7,374,248                      | 7,039,690     |
| U.S. Treasury Inflation Protected Security,<br>0.125%, 04/15/2027       | 4,142,632                        | 3,885,281     |
| U.S. Treasury Inflation Protected Security,<br>1.250%, 04/15/2028       | 3,859,351                        | 3,715,665     |
| U.S. Treasury Inflation Protected Security,<br>2.125%, 04/15/2029       | 2,947,137                        | 2,942,869     |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                            | 4,153,100                        | 1,105,535     |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                            | 18,883,100                       | 5,270,153     |

## 2025 LIFETIME BLEND PORTFOLIO (continued)

|  | Shares or<br>Principal<br>Amount | Value                |
|--|----------------------------------|----------------------|
| <b>U.S. Government - (continued)</b>                             |                                  |                      |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                     | 24,047,800                       | \$6,923,024          |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                     | 21,018,700                       | 6,351,245            |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$43,355,439) |                                  | \$37,233,462         |
| <b>SHORT-TERM INVESTMENTS - 0.8%</b>                             |                                  |                      |
| <b>Short-term funds - 0.8%</b>                                   |                                  |                      |
| John Hancock Collateral Trust, 5.2280% (F)(I)                    | 524,767                          | 5,245,934            |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$5,245,845)                  |                                  | \$5,245,934          |
| <b>Total investments (Cost \$604,819,127) - 100.8%</b>           |                                  | <b>\$637,155,104</b> |
| <b>Other assets and liabilities, net - (0.8%)</b>                |                                  | <b>(4,854,463)</b>   |
| <b>TOTAL NET ASSETS - 100.0%</b>                                 |                                  | <b>\$632,300,641</b> |

## 2020 LIFETIME BLEND PORTFOLIO

As of 5-31-24 (unaudited)

|   | Shares or<br>Principal<br>Amount | Value         |
|---|----------------------------------|---------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 44.5%</b>                        |                                  |               |
| <b>Equity - 21.2%</b>   |                                  |               |
| International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B) | 2,362,645                        | \$23,839,083  |
| U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)                      | 3,305,222                        | 36,952,382    |
| <b>Fixed income - 23.3%</b>   |                                  |               |
| Bond, Class NAV, JHSB (MIM US) (B)  | 3,118,111                        | 41,314,968    |
| Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)                     | 2,073,972                        | 15,658,486    |
| High Yield, Class NAV, JHBT (MIM US) (B)                                  | 3,278,902                        | 9,803,916     |
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$121,341,081)                |                                  | \$127,568,835 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 48.8%</b>                          |                                  |               |
| <b>Equity - 25.4%</b>   |                                  |               |
| Fidelity Mid Cap Index Fund   | 354,631                          | 11,224,063    |
| Fidelity Small Cap Index Fund   | 138,551                          | 3,563,534     |
| Financial Select Sector SPDR Fund   | 40,574                           | 1,689,501     |
| iShares Global Infrastructure ETF   | 40,293                           | 2,031,573     |
| iShares MSCI Global Min Vol Factor ETF                                    | 98,050                           | 10,239,362    |
| Vanguard Dividend Appreciation ETF  | 37,431                           | 6,771,268     |
| Vanguard Energy ETF   | 58,577                           | 7,647,813     |
| Vanguard FTSE All World ex-US Small-Cap ETF (H)                           | 24,144                           | 2,893,176     |
| Vanguard FTSE Developed Markets ETF                                       | 182,523                          | 9,257,567     |
| Vanguard FTSE Emerging Markets ETF  | 35,818                           | 1,543,039     |
| Vanguard Global ex-U.S. Real Estate ETF                                   | 48,120                           | 2,006,604     |
| Vanguard Health Care ETF (H)  | 9,051                            | 2,375,435     |
| Vanguard Information Technology ETF                                       | 2,605                            | 1,392,659     |
| Vanguard Materials ETF (H)  | 19,987                           | 4,037,374     |
| Vanguard Real Estate ETF  | 73,559                           | 6,123,051     |
| <b>Fixed income - 23.4%</b>   |                                  |               |
| Invesco Senior Loan ETF   | 350,839                          | 7,409,720     |
| Vanguard Short-Term Corporate Bond ETF                                    | 235,204                          | 18,141,285    |

## 2020 LIFETIME BLEND PORTFOLIO (continued)

|  | Shares or<br>Principal<br>Amount | Value                |
|--|----------------------------------|----------------------|
| <b>Fixed income - (continued)</b>                                    |                                  |                      |
| Vanguard Total Bond Market ETF                                       | 577,247                          | \$41,353,975         |
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$130,948,883)         |                                  | \$139,700,999        |
| <b>COMMON STOCKS - 0.0%</b>  |                                  |                      |
| <b>Consumer staples - 0.0%</b>                                       |                                  |                      |
| China Huishan Dairy Holdings Company, Ltd. (C)(D)                    | 1,639                            | 0                    |
| ICA Gruppen AB (C)(D)  | 70                               | 0                    |
| <b>Health care - 0.0%</b>  |                                  |                      |
| NMC Health PLC (C)(D)  | 51                               | 0                    |
| <b>Real estate - 0.0%</b>  |                                  |                      |
| Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E) | 1,309                            | 3,953                |
| <b>Utilities - 0.0%</b>  |                                  |                      |
| China Common Rich Renewable Energy Investments, Ltd. (C)(D)          | 6,637                            | 182                  |
| TOTAL COMMON STOCKS (Cost \$1,655)                                   |                                  | \$4,135              |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 6.7%</b>                 |                                  |                      |
| <b>U.S. Government - 6.7%</b>  |                                  |                      |
| U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026       | \$5,180,823                      | 4,945,777            |
| U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027       | 2,910,360                        | 2,729,561            |
| U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028       | 2,711,259                        | 2,610,317            |
| U.S. Treasury Inflation Protected Security, 2.125%, 04/15/2029       | 2,085,671                        | 2,082,651            |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                         | 1,498,600                        | 398,920              |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                         | 6,363,800                        | 1,776,096            |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                         | 8,052,800                        | 2,318,288            |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                         | 7,305,900                        | 2,207,632            |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$21,094,337)     |                                  | \$19,069,242         |
| <b>SHORT-TERM INVESTMENTS - 2.0%</b>                                 |                                  |                      |
| <b>Short-term funds - 2.0%</b>                                       |                                  |                      |
| John Hancock Collateral Trust, 5.2280% (F)(I)                        | 578,441                          | 5,782,499            |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$5,782,454)                      |                                  | \$5,782,499          |
| <b>Total investments (Cost \$279,168,410) - 102.0%</b>               |                                  | <b>\$292,125,710</b> |
| <b>Other assets and liabilities, net - (2.0%)</b>                    |                                  | <b>(5,820,506)</b>   |
| <b>TOTAL NET ASSETS - 100.0%</b>                                     |                                  | <b>\$286,305,204</b> |

## 2015 LIFETIME BLEND PORTFOLIO

As of 5-31-24 (unaudited)

|   | Shares or<br>Principal<br>Amount | Value       |
|---|----------------------------------|-------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 43.8%</b>                        |                                  |             |
| <b>Equity - 18.7%</b>   |                                  |             |
| International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B) | 577,171                          | \$5,823,654 |



## 2015 LIFETIME BLEND PORTFOLIO (continued)

|  | Shares or<br>Principal<br>Amount | Value        |
|--|----------------------------------|--------------|
| <b>Equity - (continued)</b>  |                                  |              |
| U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)                 | 969,755                          | \$10,841,862 |
| <b>Fixed income - 25.1%</b>  |                                  |              |
| Bond, Class NAV, JHSB (MIM US) (B)                                   | 1,052,572                        | 13,946,575   |
| Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)                | 684,351                          | 5,166,847    |
| High Yield, Class NAV, JHBT (MIM US) (B)                             | 1,059,057                        | 3,166,582    |
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$36,895,033)            |                                  | \$38,945,520 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 48.8%</b>                     |                                  |              |
| <b>Equity - 21.4%</b>  |                                  |              |
| Fidelity Mid Cap Index Fund  | 77,535                           | 2,453,968    |
| Fidelity Small Cap Index Fund  | 30,104                           | 774,286      |
| iShares Global Infrastructure ETF                                    | 12,467                           | 628,586      |
| iShares MSCI Global Min Vol Factor ETF                               | 30,363                           | 3,170,808    |
| Vanguard Dividend Appreciation ETF                                   | 11,653                           | 2,108,028    |
| Vanguard Energy ETF  | 18,292                           | 2,388,204    |
| Vanguard FTSE All World ex-US Small-Cap ETF                          | 5,591                            | 669,970      |
| Vanguard FTSE Developed Markets ETF                                  | 61,341                           | 3,111,216    |
| Vanguard Global ex-U.S. Real Estate ETF                              | 14,866                           | 619,912      |
| Vanguard Materials ETF (H)   | 6,282                            | 1,268,964    |
| Vanguard Real Estate ETF   | 22,710                           | 1,890,377    |
| <b>Fixed income - 27.4%</b>  |                                  |              |
| Invesco Senior Loan ETF  | 142,292                          | 3,005,207    |
| Vanguard Short-Term Corporate Bond ETF                               | 95,895                           | 7,396,381    |
| Vanguard Total Bond Market ETF                                       | 194,774                          | 13,953,609   |
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$41,393,729)          |                                  | \$43,439,516 |
| <b>COMMON STOCKS - 0.0%</b>  |                                  |              |
| <b>Consumer staples - 0.0%</b>                                       |                                  |              |
| China Huishan Dairy Holdings Company, Ltd. (C)(D)                    | 424                              | 0            |
| ICA Gruppen AB (C)(D)  | 18                               | 0            |
| <b>Health care - 0.0%</b>  |                                  |              |
| NMC Health PLC (C)(D)  | 13                               | 0            |
| <b>Real estate - 0.0%</b>  |                                  |              |
| Dalian Wanda Commercial Properties Company, Ltd., H Shares (C)(D)(E) | 336                              | 1,017        |
| <b>Utilities - 0.0%</b>  |                                  |              |
| China Common Rich Renewable Energy Investments, Ltd. (C)(D)          | 1,716                            | 47           |
| TOTAL COMMON STOCKS (Cost \$427)                                     |                                  | \$1,064      |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 7.4%</b>                 |                                  |              |
| <b>U.S. Government - 7.4%</b>  |                                  |              |
| U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026       | \$2,179,375                      | 2,080,500    |
| U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027       | 1,224,309                        | 1,148,252    |
| U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028       | 1,140,492                        | 1,098,031    |

## 2015 LIFETIME BLEND PORTFOLIO (continued)

|   | Shares or<br>Principal<br>Amount | Value               |
|---|----------------------------------|---------------------|
| <b>U.S. Government - (continued)</b>                            |                                  |                     |
| U.S. Treasury Inflation Protected Security, 2.125%, 04/15/2029  | 880,244                          | \$878,970           |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                    | 295,100                          | 78,554              |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                    | 1,318,700                        | 368,041             |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                    | 1,668,600                        | 480,367             |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                    | 1,505,900                        | 455,040             |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$7,050,001) |                                  | \$6,587,755         |
| <b>SHORT-TERM INVESTMENTS - 1.4%</b>                            |                                  |                     |
| <b>Short-term funds - 1.4%</b>                                  |                                  |                     |
| John Hancock Collateral Trust, 5.2280% (F)(I)                   | 124,382                          | 1,243,412           |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$1,243,447)                 |                                  | \$1,243,412         |
| <b>Total investments (Cost \$86,582,637) - 101.4%</b>           |                                  | <b>\$90,217,267</b> |
| <b>Other assets and liabilities, net - (1.4%)</b>               |                                  | <b>(1,278,648)</b>  |
| <b>TOTAL NET ASSETS - 100.0%</b>                                |                                  | <b>\$88,938,619</b> |

## 2010 LIFETIME BLEND PORTFOLIO

### As of 5-31-24 (unaudited)

|   | Shares or<br>Principal<br>Amount | Value        |
|---|----------------------------------|--------------|
| <b>AFFILIATED INVESTMENT COMPANIES (A) - 41.6%</b>                        |                                  |              |
| <b>Equity - 14.8%</b>   |                                  |              |
| International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B) | 339,720                          | \$3,427,779  |
| U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)                      | 581,312                          | 6,499,064    |
| <b>Fixed income - 26.8%</b>   |                                  |              |
| Bond, Class NAV, JHSB (MIM US) (B)  | 855,222                          | 11,331,695   |
| Emerging Markets Debt, Class NAV, JHF II (MIM US) (B)                     | 544,885                          | 4,113,880    |
| High Yield, Class NAV, JHBT (MIM US) (B)                                  | 825,197                          | 2,467,340    |
| TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$26,740,387)                 |                                  | \$27,839,758 |
| <b>UNAFFILIATED INVESTMENT COMPANIES - 50.2%</b>                          |                                  |              |
| <b>Equity - 18.8%</b>   |                                  |              |
| Fidelity Mid Cap Index Fund   | 33,121                           | 1,048,280    |
| Fidelity Small Cap Index Fund   | 12,847                           | 330,431      |
| iShares Global Infrastructure ETF   | 9,415                            | 474,704      |
| iShares MSCI Global Min Vol Factor ETF                                    | 22,552                           | 2,355,105    |
| Vanguard Dividend Appreciation ETF  | 8,662                            | 1,566,956    |
| Vanguard Energy ETF (H)   | 13,806                           | 1,802,511    |
| Vanguard FTSE All World ex-US Small-Cap ETF                               | 2,814                            | 337,202      |
| Vanguard FTSE Developed Markets ETF                                       | 36,506                           | 1,851,584    |
| Vanguard Global ex-U.S. Real Estate ETF                                   | 11,272                           | 470,042      |
| Vanguard Materials ETF (H)  | 4,683                            | 945,966      |
| Vanguard Real Estate ETF  | 17,150                           | 1,427,569    |
| <b>Fixed income - 31.4%</b>   |                                  |              |
| Invesco Senior Loan ETF   | 132,959                          | 2,808,094    |
| Vanguard Short-Term Corporate Bond ETF                                    | 89,580                           | 6,909,305    |
| Vanguard Total Bond Market ETF  | 158,254                          | 11,337,317   |

## 2010 LIFETIME BLEND PORTFOLIO (continued)

|   | Shares or<br>Principal<br>Amount | Value               |
|---|----------------------------------|---------------------|
| TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost<br>\$32,282,208)          |                                  | \$33,665,066        |
| <b>COMMON STOCKS - 0.0%</b>   |                                  |                     |
| <b>Consumer staples - 0.0%</b>  |                                  |                     |
| China Huishan Dairy Holdings Company,<br>Ltd. (C)(D)                    | 225                              | \$0                 |
| ICA Gruppen AB (C)(D)   | 10                               | 0                   |
| <b>Health care - 0.0%</b>   |                                  |                     |
| NMC Health PLC (C)(D)   | 7                                | 0                   |
| <b>Real estate - 0.0%</b>   |                                  |                     |
| Dalian Wanda Commercial Properties<br>Company, Ltd., H Shares (C)(D)(E) | 180                              | 544                 |
| <b>Utilities - 0.0%</b>   |                                  |                     |
| China Common Rich Renewable Energy<br>Investments, Ltd. (C)(D)          | 911                              | 25                  |
| TOTAL COMMON STOCKS (Cost<br>\$227)                                     |                                  | \$569               |
| <b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 8.2%</b>                    |                                  |                     |
| <b>U.S. Government - 8.2%</b>   |                                  |                     |
| U.S. Treasury Inflation Protected Security,<br>0.125%, 04/15/2026       | \$2,073,163                      | 1,979,107           |
| U.S. Treasury Inflation Protected Security,<br>0.125%, 04/15/2027       | 1,159,831                        | 1,087,779           |
| U.S. Treasury Inflation Protected Security,<br>1.250%, 04/15/2028       | 1,083,546                        | 1,043,205           |
| U.S. Treasury Inflation Protected Security,<br>2.125%, 04/15/2029       | 847,837                          | 846,609             |
| U.S. Treasury STRIPS, PO, 4.488%, 02/15/2054                            | 108,600                          | 28,909              |
| U.S. Treasury STRIPS, PO, 4.519%, 11/15/2052                            | 479,500                          | 133,825             |
| U.S. Treasury STRIPS, PO, 4.614%, 08/15/2051                            | 606,800                          | 174,689             |
| U.S. Treasury STRIPS, PO, 4.650%, 05/15/2050                            | 549,500                          | 166,043             |
| TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost<br>\$5,654,892)      |                                  | \$5,460,166         |
| <b>SHORT-TERM INVESTMENTS - 2.8%</b>                                    |                                  |                     |
| <b>Short-term funds - 2.8%</b>  |                                  |                     |
| John Hancock Collateral Trust, 5.2280% (F)(I)                           | 190,956                          | 1,908,916           |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$1,908,956)                         |                                  | \$1,908,916         |
| <b>Total investments (Cost \$66,586,670) - 102.8%</b>                   |                                  | <b>\$68,874,475</b> |
| <b>Other assets and liabilities, net - (2.8%)</b>                       |                                  | <b>(1,907,242)</b>  |
| <b>TOTAL NET ASSETS - 100.0%</b>  |                                  | <b>\$66,967,233</b> |

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.          |

- (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 5-31-24.
- (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 5-31-24.
- (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.

## Notes to Portfolios' investments (unaudited)

**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 May 31, 2024, by major security category or type:

|  | Total<br>value at<br>5-31-24 | Level 1<br>quoted price | Level 2<br>significant<br>observable<br>inputs | Level 3<br>significant<br>unobservable<br>inputs |
|--|------------------------------|-------------------------|--|--|
| <b>2065 Lifetime Blend Portfolio</b>   |                              |                         |  |  |
| <b>Investments in securities:</b>      |                              |                         |  |  |
| <b>Assets</b>                          |                              |                         |  |  |
| Affiliated investment companies        | \$35,496,207                 | \$35,496,207            | —  | —  |
| Unaffiliated investment companies      | 27,760,638                   | 27,760,638              | —  | —  |
| Common stocks                          | 758                          | —                       | —  | \$758  |
| U.S. Government and Agency obligations | 1,140,193                    | —                       | \$1,140,193                                    | —  |
| Short-term investments                 | 117,664                      | 117,664                 | —  | —  |
| <b>Total investments in securities</b> | <b>\$64,515,460</b>          | <b>\$63,374,509</b>     | <b>\$1,140,193</b>                             | <b>\$758</b>                                     |

### 2060 Lifetime Blend Portfolio

#### Investments in securities:

##### Assets

|  | Total<br>value at<br>5-31-24 | Level 1<br>quoted price | Level 2<br>significant<br>observable<br>inputs | Level 3<br>significant<br>unobservable<br>inputs |
|--|------------------------------|-------------------------|--|--|
| <b>2060 Lifetime Blend Portfolio (continued)</b> |                              |                         |  |  |
| Affiliated investment companies                  | \$122,358,823                | \$122,358,823           | —  | —  |
| Unaffiliated investment companies                | 96,009,668                   | 96,009,668              | —  | —  |
| Common stocks                                    | 5,878                        | —                       | —  | \$5,878  |
| U.S. Government and Agency obligations           | 3,961,347                    | —                       | \$3,961,347                                    | —  |
| Short-term investments                           | 256,361                      | 256,361                 | —  | —  |
| <b>Total investments in securities</b>           | <b>\$222,592,077</b>         | <b>\$218,624,852</b>    | <b>\$3,961,347</b>                             | <b>\$5,878</b>                                   |

#### 2055 Lifetime Blend Portfolio

##### Investments in securities:

##### Assets

|  |                      |                      |                    |                 |
|--|----------------------|----------------------|--------------------|-----------------|
| Affiliated investment companies        | \$217,108,030        | \$217,108,030        | —                  | —               |
| Unaffiliated investment companies      | 170,487,617          | 170,487,617          | —                  | —               |
| Common stocks                          | 12,306               | —                    | —                  | \$12,306        |
| U.S. Government and Agency obligations | 7,080,914            | —                    | \$7,080,914        | —               |
| Short-term investments                 | 360,773              | 360,773              | —                  | —               |
| <b>Total investments in securities</b> | <b>\$395,049,640</b> | <b>\$387,956,420</b> | <b>\$7,080,914</b> | <b>\$12,306</b> |

#### 2050 Lifetime Blend Portfolio

##### Investments in securities:

##### Assets

|  |                      |                      |                    |                 |
|--|----------------------|----------------------|--------------------|-----------------|
| Affiliated investment companies        | \$281,530,032        | \$281,530,032        | —                  | —               |
| Unaffiliated investment companies      | 220,832,945          | 220,832,945          | —                  | —               |
| Common stocks                          | 16,860               | —                    | —                  | \$16,860        |
| U.S. Government and Agency obligations | 9,199,998            | —                    | \$9,199,998        | —               |
| Short-term investments                 | 126,101              | 126,101              | —                  | —               |
| <b>Total investments in securities</b> | <b>\$511,705,936</b> | <b>\$502,489,078</b> | <b>\$9,199,998</b> | <b>\$16,860</b> |

#### 2045 Lifetime Blend Portfolio

##### Investments in securities:

##### Assets

|  |                      |                      |                     |                 |
|--|----------------------|----------------------|---------------------|-----------------|
| Affiliated investment companies        | \$335,614,384        | \$335,614,384        | —                   | —               |
| Unaffiliated investment companies      | 260,513,043          | 260,513,043          | —                   | —               |
| Common stocks                          | 21,523               | —                    | —                   | \$21,523        |
| U.S. Government and Agency obligations | 13,763,866           | —                    | \$13,763,866        | —               |
| Short-term investments                 | 1,464,747            | 1,464,747            | —                   | —               |
| <b>Total investments in securities</b> | <b>\$611,377,563</b> | <b>\$597,592,174</b> | <b>\$13,763,866</b> | <b>\$21,523</b> |

#### 2040 Lifetime Blend Portfolio

##### Investments in securities:

##### Assets

|  |                      |                      |                     |                 |
|--|----------------------|----------------------|---------------------|-----------------|
| Affiliated investment companies        | \$379,504,294        | \$379,504,294        | —                   | —               |
| Unaffiliated investment companies      | 303,719,851          | 303,719,851          | —                   | —               |
| Common stocks                          | 20,745               | —                    | —                   | \$20,745        |
| U.S. Government and Agency obligations | 20,978,897           | —                    | \$20,978,897        | —               |
| Short-term investments                 | 5,867,894            | 5,867,894            | —                   | —               |
| <b>Total investments in securities</b> | <b>\$710,091,681</b> | <b>\$689,092,039</b> | <b>\$20,978,897</b> | <b>\$20,745</b> |

#### 2035 Lifetime Blend Portfolio

##### Investments in securities:

##### Assets

|  | Total<br>value at<br>5-31-24 | Level 1<br>quoted price | Level 2<br>significant<br>observable<br>inputs | Level 3<br>significant<br>unobservable<br>inputs |
|--|------------------------------|-------------------------|--|--|
| <b>2035 Lifetime Blend Portfolio (continued)</b> |                              |                         |  |  |
| Affiliated investment companies                  | \$443,921,686                | \$443,921,686           | —  | —  |
| Unaffiliated investment companies                | 350,649,085                  | 350,649,085             | —  | —  |
| Common stocks                                    | 22,205                       | —                       | —  | \$22,205   |
| U.S. Government and Agency obligations           | 30,456,062                   | —                       | \$30,456,062                                   | —  |
| Short-term investments                           | 2,388,528                    | 2,388,528               | —  | —  |
| <b>Total investments in securities</b>           | <b>\$827,437,566</b>         | <b>\$796,959,299</b>    | <b>\$30,456,062</b>                            | <b>\$22,205</b>                                  |

#### 2030 Lifetime Blend Portfolio

##### Investments in securities:

##### Assets

|  |                      |                      |                     |                 |
|--|----------------------|----------------------|---------------------|-----------------|
| Affiliated investment companies        | \$427,210,125        | \$427,210,125        | —                   | —               |
| Unaffiliated investment companies      | 356,550,081          | 356,550,081          | —                   | —               |
| Common stocks                          | 19,894               | —                    | —                   | \$19,894        |
| U.S. Government and Agency obligations | 41,485,262           | —                    | \$41,485,262        | —               |
| Short-term investments                 | 14,689,558           | 14,689,558           | —                   | —               |
| <b>Total investments in securities</b> | <b>\$839,954,920</b> | <b>\$798,449,764</b> | <b>\$41,485,262</b> | <b>\$19,894</b> |

#### 2025 Lifetime Blend Portfolio

##### Investments in securities:

##### Assets

|  |                      |                      |                     |                 |
|--|----------------------|----------------------|---------------------|-----------------|
| Affiliated investment companies        | \$313,281,203        | \$313,281,203        | —                   | —               |
| Unaffiliated investment companies      | 281,381,100          | 281,381,100          | —                   | —               |
| Common stocks                          | 13,405               | —                    | —                   | \$13,405        |
| U.S. Government and Agency obligations | 37,233,462           | —                    | \$37,233,462        | —               |
| Short-term investments                 | 5,245,934            | 5,245,934            | —                   | —               |
| <b>Total investments in securities</b> | <b>\$637,155,104</b> | <b>\$599,908,237</b> | <b>\$37,233,462</b> | <b>\$13,405</b> |

#### 2020 Lifetime Blend Portfolio

##### Investments in securities:

##### Assets

|  |                      |                      |                     |                |
|--|----------------------|----------------------|---------------------|----------------|
| Affiliated investment companies        | \$127,568,835        | \$127,568,835        | —                   | —              |
| Unaffiliated investment companies      | 139,700,999          | 139,700,999          | —                   | —              |
| Common stocks                          | 4,135                | —                    | —                   | \$4,135        |
| U.S. Government and Agency obligations | 19,069,242           | —                    | \$19,069,242        | —              |
| Short-term investments                 | 5,782,499            | 5,782,499            | —                   | —              |
| <b>Total investments in securities</b> | <b>\$292,125,710</b> | <b>\$273,052,333</b> | <b>\$19,069,242</b> | <b>\$4,135</b> |

#### 2015 Lifetime Blend Portfolio

##### Investments in securities:

##### Assets

|  |                     |                     |                    |                |
|--|---------------------|---------------------|--------------------|----------------|
| Affiliated investment companies        | \$38,945,520        | \$38,945,520        | —                  | —              |
| Unaffiliated investment companies      | 43,439,516          | 43,439,516          | —                  | —              |
| Common stocks                          | 1,064               | —                   | —                  | \$1,064        |
| U.S. Government and Agency obligations | 6,587,755           | —                   | \$6,587,755        | —              |
| Short-term investments                 | 1,243,412           | 1,243,412           | —                  | —              |
| <b>Total investments in securities</b> | <b>\$90,217,267</b> | <b>\$83,628,448</b> | <b>\$6,587,755</b> | <b>\$1,064</b> |

#### 2010 Lifetime Blend Portfolio

##### Investments in securities:

##### Assets

|  | Total<br>value at<br>5-31-24 | Level 1<br>quoted price | Level 2<br>significant<br>observable<br>inputs | Level 3<br>significant<br>unobservable<br>inputs |
|--|------------------------------|-------------------------|--|--|
| <b>2010 Lifetime Blend Portfolio (continued)</b> |                              |                         |  |  |
| Affiliated investment companies                  | \$27,839,758                 | \$27,839,758            | —  | —  |
| Unaffiliated investment companies                | 33,665,066                   | 33,665,066              | —  | —  |
| Common stocks                                    | 569                          | —                       | —  | \$569  |
| U.S. Government and Agency obligations           | 5,460,166                    | —                       | \$5,460,166                                    | —  |
| Short-term investments                           | 1,908,916                    | 1,908,916               | —  | —  |
| <b>Total investments in securities</b>           | <b>\$68,874,475</b>          | <b>\$63,413,740</b>     | <b>\$5,460,166</b>                             | <b>\$569</b>                                     |

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

**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.

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:

|  |                           |                    |                      |                                 |                            |   | Dividends and distributions         |   |                 |
|--|---------------------------|--------------------|----------------------|---------------------------------|----------------------------|---|-------------------------------------|---|-----------------|
|  | Ending<br>share<br>amount | Beginning<br>value | Cost of<br>purchases | Proceeds<br>from shares<br>sold | Realized<br>gain<br>(loss) | Change in<br>unrealized<br>appreciation<br>(depreciation) | Income<br>distributions<br>received | Capital gain<br>distributions<br>received | Ending<br>value |
| 2065 Lifetime Blend Portfolio                      |                           |                    |                      |                                 |                            |   |                                     |   |                 |
| Bond   | 24,564                    | —                  | \$932,692            | \$(600,545)                     | \$(5,170)                  | \$(1,498)   | \$6,645                             | —   | \$325,479       |
| Emerging<br>Markets<br>Debt                        | 49,415                    | —                  | 385,977              | (14,939)                        | 167                        | 1,880   | 6,049                               | —   | 373,085         |
| High<br>Yield                                      | 98,574                    | —                  | 414,797              | (118,006)                       | (220)                      | (1,834)   | 5,086                               | —   | 294,737         |
| International<br>Strategic<br>Equity<br>Allocation | 1,515,652                 | \$10,122,018       | 5,433,024            | (1,481,872)                     | (69,981)                   | 1,289,738   | 412,858                             | —   | 15,292,927      |
| John<br>Hancock<br>Collateral<br>Trust             | 11,770                    | 235,087            | 5,408,609            | (5,528,211)                     | 2,056                      | 123   | 3,954                               | —   | 117,664         |
| U.S. Sector<br>Rotation                            | 1,718,245                 | 12,182,361         | 6,157,348            | (1,601,959)                     | 38,170                     | 2,434,059   | 197,448                             | —   | 19,209,979      |
|  |                           |                    |                      |                                 | \$ (34,978)                | \$3,722,468   | \$632,040                           | —   | \$35,613,871    |
| 2060 Lifetime Blend Portfolio                      |                           |                    |                      |                                 |                            |   |                                     |   |                 |
| Bond   | 83,728                    | —                  | \$3,211,569          | \$(2,082,665)                   | \$(16,192)                 | \$(3,314)   | \$26,434                            | —   | \$1,109,398     |
| Emerging<br>Markets<br>Debt                        | 168,432                   | —                  | 1,482,406            | (218,781)                       | 704                        | 7,333   | 21,380                              | —   | 1,271,662       |
| High<br>Yield                                      | 335,991                   | —                  | 1,738,178            | (725,556)                       | (3,086)                    | (4,923)   | 16,022                              | —   | 1,004,613       |
| International<br>Strategic<br>Equity<br>Allocation | 5,226,281                 | \$39,840,896       | 12,451,885           | (3,737,508)                     | (169,834)                  | 4,347,733   | 1,459,155                           | —   | 52,733,172      |
| John<br>Hancock<br>Collateral<br>Trust             | 25,645                    | 231,280            | 101,156,756          | (101,137,499)                   | 5,892                      | (68)  | 16,349                              | —   | 256,361         |
| U.S. Sector<br>Rotation                            | 5,924,864                 | 47,915,499         | 13,693,958           | (4,028,958)                     | 92,174                     | 8,567,305   | 697,882                             | —   | 66,239,978      |
|  |                           |                    |                      |                                 | \$ (90,342)                | \$12,914,066  | \$2,237,222                         | —   | \$122,615,184   |
| 2055 Lifetime Blend Portfolio                      |                           |                    |                      |                                 |                            |   |                                     |   |                 |
| Bond   | 145,577                   | —                  | \$5,541,512          | \$(3,578,087)                   | \$(28,222)                 | \$(6,306)   | \$46,594                            | —   | \$1,928,897     |



| 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 |                      |
| Emerging Markets Debt                     | 292,851             | —               | \$2,443,743       | \$(246,294)               | \$162                | \$13,413   | \$38,034                      | —                                   | \$2,211,024          |
| High Yield                                | 584,184             | —               | 2,879,707         | (1,119,068)               | (4,994)              | (8,936)  | 28,305                        | —                                   | 1,746,709            |
| International Strategic Equity Allocation | 9,278,584           | \$71,776,986    | 20,348,299        | (6,020,090)               | (264,851)            | 7,780,565  | 2,629,424                     | —                                   | 93,620,909           |
| John Hancock Collateral Trust             | 36,089              | 2,133,470       | 39,573,728        | (41,345,936)              | (358)                | (131)  | 11,350                        | —                                   | 360,773              |
| U.S. Sector Rotation                      | 10,518,827          | 86,664,496      | 21,833,594        | (6,542,012)               | 168,894              | 15,475,519                                       | 1,257,740                     | —                                   | 117,600,491          |
|   |                     |                 |                   |                           | <b>\$(129,369)</b>   | <b>\$23,254,124</b>                              | <b>\$4,011,447</b>            | <b>—</b>                            | <b>\$217,468,803</b> |
| <b>2050 Lifetime Blend Portfolio</b>      |                     |                 |                   |                           |                      |  |                               |                                     |                      |
| Bond                                      | 186,854             | —               | \$7,239,508       | \$(4,717,140)             | \$(35,966)           | \$(10,581)                                       | \$61,601                      | —                                   | \$2,475,821          |
| Emerging Markets Debt                     | 375,973             | —               | 3,109,321         | (285,882)                 | (414)                | 15,569   | 49,219                        | —                                   | 2,838,594            |
| High Yield                                | 749,996             | —               | 3,204,842         | (944,483)                 | (3,886)              | (13,984)   | 34,175                        | —                                   | 2,242,489            |
| International Strategic Equity Allocation | 12,035,173          | \$94,526,639    | 24,866,545        | (7,731,169)               | (369,959)            | 10,142,842                                       | 3,434,548                     | —                                   | 121,434,898          |
| John Hancock Collateral Trust             | 12,614              | 715,714         | 183,114,548       | (183,707,470)             | 3,351                | (42)   | 23,035                        | —                                   | 126,101              |
| U.S. Sector Rotation                      | 13,643,849          | 113,842,530     | 26,376,044        | (8,068,792)               | 227,883              | 20,160,565                                       | 1,642,551                     | —                                   | 152,538,230          |
|   |                     |                 |                   |                           | <b>\$(178,991)</b>   | <b>\$30,294,369</b>                              | <b>\$5,245,129</b>            | <b>—</b>                            | <b>\$281,656,133</b> |
| <b>2045 Lifetime Blend Portfolio</b>      |                     |                 |                   |                           |                      |  |                               |                                     |                      |
| Bond                                      | 704,387             | —               | \$11,291,784      | \$(1,840,490)             | \$(29,147)           | \$(89,023)                                       | \$143,925                     | —                                   | \$9,333,124          |
| Emerging Markets Debt                     | 805,872             | —               | 6,467,750         | (421,517)                 | 4,237                | 33,866   | 110,164                       | —                                   | 6,084,336            |
| High Yield                                | 1,622,873           | —               | 6,342,749         | (1,452,771)               | (4,332)              | (33,255)   | 72,024                        | —                                   | 4,852,391            |
| International Strategic Equity Allocation | 13,808,047          | \$115,928,585   | 22,632,486        | (10,650,010)              | (515,095)            | 11,927,224                                       | 4,129,475                     | —                                   | 139,323,190          |
| John Hancock Collateral Trust             | 146,523             | 2,321,215       | 77,583,568        | (78,439,126)              | (576)                | (334)  | 21,775                        | —                                   | 1,464,747            |
| U.S. Sector Rotation                      | 15,744,306          | 140,445,260     | 25,782,389        | (14,336,791)              | 448,258              | 23,682,227                                       | 1,992,874                     | —                                   | 176,021,343          |
|   |                     |                 |                   |                           | <b>\$(96,655)</b>    | <b>\$35,520,705</b>                              | <b>\$6,470,237</b>            | <b>—</b>                            | <b>\$337,079,131</b> |
| <b>2040 Lifetime Blend Portfolio</b>      |                     |                 |                   |                           |                      |  |                               |                                     |                      |
| Bond                                      | 2,168,023           | —               | \$31,135,861      | \$(2,051,439)             | \$(31,683)           | \$(326,441)                                      | \$409,615                     | —                                   | \$28,726,298         |
| Emerging Markets Debt                     | 1,700,870           | —               | 13,444,694        | (673,978)                 | 5,597                | 65,257   | 232,258                       | —                                   | 12,841,570           |

| Affiliate                                 | Ending share amount | Beginning value | Cost of purchases | Proceeds from shares sold | Realized gain (loss) | Change in unrealized appreciation (depreciation) | Dividends and distributions   |                                     | Ending value         |
|---|---------------------|-----------------|-------------------|---------------------------|----------------------|--|-------------------------------|-------------------------------------|----------------------|
|   |                     |                 |                   |                           |                      |  | Income distributions received | Capital gain distributions received |                      |
| High Yield                                | 3,525,457           | —               | \$11,899,785      | \$(1,268,487)             | \$(4,978)            | \$(85,203)                                       | \$156,538                     | —                                   | \$10,541,117         |
| International Strategic Equity Allocation | 14,357,040          | \$115,434,504   | 25,113,012        | (7,480,072)               | (244,176)            | 12,039,270                                       | 4,063,996                     | —                                   | 144,862,538          |
| John Hancock Collateral Trust             | 586,983             | 1,393,650       | 331,798,842       | (327,331,059)             | 6,797                | (336)  | 44,866                        | —                                   | 5,867,894            |
| U.S. Sector Rotation                      | 16,326,724          | 140,247,559     | 28,543,993        | (11,146,707)              | 346,070              | 24,541,856                                       | 1,971,608                     | —                                   | 182,532,771          |
|   |                     |                 |                   |                           | <b>\$77,627</b>      | <b>\$36,234,403</b>                              | <b>\$6,878,881</b>            | <b>—</b>                            | <b>\$385,372,188</b> |
| <b>2035 Lifetime Blend Portfolio</b>      |                     |                 |                   |                           |                      |  |                               |                                     |                      |
| Bond                                      | 4,536,127           | —               | \$61,928,312      | \$(1,117,740)             | \$(23,241)           | \$(683,645)                                      | \$823,862                     | —                                   | \$60,103,686         |
| Emerging Markets Debt                     | 3,071,891           | —               | 23,763,700        | (694,656)                 | 3,872                | 119,861  | 415,842                       | —                                   | 23,192,777           |
| High Yield                                | 6,545,560           | —               | 21,607,447        | (1,872,198)               | (9,024)              | (155,000)  | 288,619                       | —                                   | 19,571,225           |
| International Strategic Equity Allocation | 14,955,479          | \$125,344,834   | 20,556,929        | (7,461,373)               | (366,157)            | 12,826,553                                       | 4,376,324                     | —                                   | 150,900,786          |
| John Hancock Collateral Trust             | 238,932             | 1,743,098       | 551,164,608       | (550,535,884)             | 16,774               | (68)   | 75,080                        | —                                   | 2,388,528            |
| U.S. Sector Rotation                      | 17,008,337          | 151,086,378     | 23,981,271        | (11,109,962)              | 417,578              | 25,777,947                                       | 2,117,843                     | —                                   | 190,153,212          |
|   |                     |                 |                   |                           | <b>\$39,802</b>      | <b>\$37,885,648</b>                              | <b>\$8,097,570</b>            | <b>—</b>                            | <b>\$446,310,214</b> |
| <b>2030 Lifetime Blend Portfolio</b>      |                     |                 |                   |                           |                      |  |                               |                                     |                      |
| Bond                                      | 5,862,676           | —               | \$80,306,097      | \$(1,708,638)             | \$(32,201)           | \$(884,803)                                      | \$1,070,769                   | —                                   | \$77,680,455         |
| Emerging Markets Debt                     | 4,357,634           | —               | 34,618,398        | (1,916,357)               | 11,413               | 186,681  | 596,677                       | —                                   | 32,900,135           |
| High Yield                                | 7,126,430           | —               | 22,294,785        | (803,612)                 | (4,777)              | (178,370)  | 317,943                       | —                                   | 21,308,026           |
| International Strategic Equity Allocation | 12,879,202          | \$109,737,431   | 17,006,460        | (7,587,410)               | (256,057)            | 11,050,719                                       | 3,750,944                     | —                                   | 129,951,143          |
| John Hancock Collateral Trust             | 1,469,441           | 24,836,822      | 468,268,364       | (478,424,001)             | 11,475               | (3,102)  | 108,848                       | —                                   | 14,689,558           |
| U.S. Sector Rotation                      | 14,791,625          | 134,535,029     | 21,097,843        | (13,290,428)              | 441,124              | 22,586,798                                       | 1,828,514                     | —                                   | 165,370,366          |
|   |                     |                 |                   |                           | <b>\$170,977</b>     | <b>\$32,757,923</b>                              | <b>\$7,673,695</b>            | <b>—</b>                            | <b>\$441,899,683</b> |
| <b>2025 Lifetime Blend Portfolio</b>      |                     |                 |                   |                           |                      |  |                               |                                     |                      |
| Bond                                      | 6,028,202           | —               | \$82,138,632      | \$(1,281,047)             | \$(29,344)           | \$(954,568)                                      | \$1,103,237                   | —                                   | \$79,873,673         |
| Emerging Markets Debt                     | 4,198,044           | —               | 33,507,680        | (1,985,268)               | 3,501                | 169,323  | 575,126                       | —                                   | 31,695,236           |
| High Yield                                | 7,029,795           | —               | 22,507,113        | (1,298,483)               | (11,501)             | (178,043)  | 316,512                       | —                                   | 21,019,086           |

| Affiliate                                 | Ending share amount | Beginning value | Cost of purchases | Proceeds from shares sold | Realized gain (loss) | Change in unrealized appreciation (depreciation) | Dividends and distributions   |                                     | Ending value         |
|---|---------------------|-----------------|-------------------|---------------------------|----------------------|--|-------------------------------|-------------------------------------|----------------------|
|   |                     |                 |                   |                           |                      |  | Income distributions received | Capital gain distributions received |                      |
| International Strategic Equity Allocation | 7,852,120           | \$70,055,324    | \$13,276,918      | \$(10,526,767)            | \$(359,759)          | \$6,782,172                                      | \$2,337,682                   | —                                   | \$79,227,888         |
| John Hancock Collateral Trust             | 524,767             | 12,962,612      | 488,507,111       | (496,238,850)             | 18,067               | (3,006)  | 85,532                        | —                                   | 5,245,934            |
| U.S. Sector Rotation                      | 9,075,610           | 79,494,057      | 26,126,240        | (16,875,827)              | 503,093              | 12,217,757                                       | 1,034,885                     | —                                   | 101,465,320          |
|   |                     |                 |                   |                           | <b>\$124,057</b>     | <b>\$18,033,635</b>                              | <b>\$5,452,974</b>            | <b>—</b>                            | <b>\$318,527,137</b> |
| <b>2020 Lifetime Blend Portfolio</b>      |                     |                 |                   |                           |                      |  |                               |                                     |                      |
| Bond                                      | 3,118,111           | —               | \$44,243,412      | \$(2,404,400)             | \$(50,797)           | \$(473,247)                                      | \$580,269                     | —                                   | \$41,314,968         |
| Emerging Markets Debt                     | 2,073,972           | —               | 16,427,714        | (854,283)                 | 5,214                | 79,841   | 287,786                       | —                                   | 15,658,486           |
| High Yield                                | 3,278,902           | —               | 10,621,713        | (726,842)                 | (7,464)              | (83,491)   | 150,529                       | —                                   | 9,803,916            |
| International Strategic Equity Allocation | 2,362,645           | \$22,223,701    | 4,231,602         | (4,514,886)               | (189,671)            | 2,088,337  | 724,631                       | —                                   | 23,839,083           |
| John Hancock Collateral Trust             | 578,441             | 9,032,588       | 282,176,732       | (285,430,644)             | 5,362                | (1,539)  | 65,615                        | —                                   | 5,782,499            |
| U.S. Sector Rotation                      | 3,305,222           | 27,034,543      | 11,539,513        | (5,881,972)               | 140,981              | 4,119,317  | 351,394                       | —                                   | 36,952,382           |
|   |                     |                 |                   |                           | <b>\$(96,375)</b>    | <b>\$5,729,218</b>                               | <b>\$2,160,224</b>            | <b>—</b>                            | <b>\$133,351,334</b> |
| <b>2015 Lifetime Blend Portfolio</b>      |                     |                 |                   |                           |                      |  |                               |                                     |                      |
| Bond                                      | 1,052,572           | —               | \$15,172,158      | \$(1,046,177)             | \$(22,356)           | \$(157,050)                                      | \$195,891                     | —                                   | \$13,946,575         |
| Emerging Markets Debt                     | 684,351             | —               | 5,441,709         | (301,915)                 | 295                  | 26,758   | 94,705                        | —                                   | 5,166,847            |
| High Yield                                | 1,059,057           | —               | 3,511,428         | (315,189)                 | (2,940)              | (26,717)   | 48,804                        | —                                   | 3,166,582            |
| International Strategic Equity Allocation | 577,171             | \$5,113,956     | 1,795,948         | (1,563,796)               | (43,991)             | 521,537  | 171,154                       | —                                   | 5,823,654            |
| John Hancock Collateral Trust             | 124,382             | 4,493,675       | 129,871,138       | (133,123,963)             | 3,681                | (1,119)  | 29,809                        | —                                   | 1,243,412            |
| U.S. Sector Rotation                      | 969,755             | 7,674,914       | 3,730,276         | (1,843,947)               | 57,067               | 1,223,552  | 101,295                       | —                                   | 10,841,862           |
|   |                     |                 |                   |                           | <b>\$(8,244)</b>     | <b>\$1,586,961</b>                               | <b>\$641,658</b>              | <b>—</b>                            | <b>\$40,188,932</b>  |
| <b>2010 Lifetime Blend Portfolio</b>      |                     |                 |                   |                           |                      |  |                               |                                     |                      |
| Bond                                      | 855,222             | —               | \$12,802,515      | \$(1,330,703)             | \$(27,774)           | \$(112,343)                                      | \$153,070                     | —                                   | \$11,331,695         |
| Emerging Markets Debt                     | 544,885             | —               | 4,495,961         | (402,630)                 | (1,323)              | 21,872   | 71,572                        | —                                   | 4,113,880            |
| High Yield                                | 825,197             | —               | 2,844,845         | (354,742)                 | (3,914)              | (18,849)   | 37,276                        | —                                   | 2,467,340            |
| International Strategic Equity Allocation | 339,720             | \$3,005,681     | 1,488,531         | (1,324,322)               | (30,055)             | 287,944  | 94,933                        | —                                   | 3,427,779            |

| 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 | 190,956             | \$2,499,111     | \$111,246,532     | \$(111,840,485)           | \$4,461              | \$(703)  | \$22,214                      | —                                   | \$1,908,916         |
| U.S. Sector Rotation          | 581,312             | 4,138,780       | 2,843,919         | (1,153,591)               | 34,412               | 635,544  | 53,792                        | —                                   | 6,499,064           |
|                               |                     |                 |                   |                           | <b>\$(24,193)</b>    | <b>\$813,465</b>                                 | <b>\$432,857</b>              | <b>—</b>                            | <b>\$29,748,674</b> |

For additional information on the portfolios' significant accounting policies and risks, please refer to the portfolios' most recent semiannual or annual shareholder report and prospectus.