



# MFS<sup>®</sup> Total Return Series

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MFS<sup>®</sup> Variable Insurance Trust

# MFS® Total Return Series

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**The report is prepared for the general information of contract owners. It is authorized for distribution to prospective investors only when preceded or accompanied by a current prospectus.**

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NOT A DEPOSIT • NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY OR NCUA/NCUSIF

## LETTER FROM THE CEO



Dear Contract Owners:

Markets experienced dramatic swings this year as the coronavirus pandemic brought the global economy to a standstill for several months early in the year. The speedy development of vaccines and therapeutics later brightened the economic and market outlook, but a great deal of uncertainty remains as case counts remain high, new variants of the virus are appearing and questions persist over how fast the vaccine can be made widely available. In the United States, political uncertainty eased after former Vice President Joe Biden won the presidential election and the Democrats gained control of a closely divided Senate.

Global central banks have taken aggressive steps to cushion the economic and market fallout related to the virus, and governments are deploying unprecedented levels of fiscal support. Additional U.S. stimulus is anticipated with the Democrats in the White House and in control of both houses of Congress. The measures already put in place have helped build a supportive environment and are encouraging economic recovery; however, if markets disconnect from fundamentals, they can sow the seeds of instability. As such, dramatic increases in speculative retail trading bear watching.

In the aftermath of the crisis, we could see societal changes as households, businesses, and governments adjust to a new reality, and any such alterations could affect the investment landscape. For investors, events such as the COVID-19 outbreak demonstrate the importance of having a deep understanding of company fundamentals, and we have built our global research platform to do just that.

At MFS®, we put our clients' assets to work responsibly by carefully navigating the increasing complexity of our global markets and economies. Guided by our long-term philosophy and adhering to our commitment to sustainable investing, we tune out the noise and aim to uncover what we believe are the best, most durable investment opportunities in the market. Our unique global investment platform combines collective expertise, long-term discipline and thoughtful risk management to create sustainable value for investors.

Respectfully,

A handwritten signature in black ink, reading "Michael W. Roberge". The signature is fluid and cursive, with a long horizontal line extending from the end.

**Michael W. Roberge**

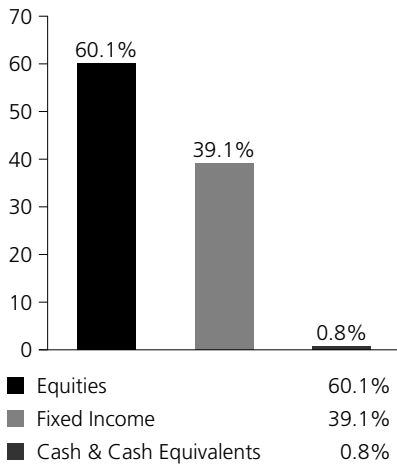
Chief Executive Officer  
MFS Investment Management

February 16, 2021

The opinions expressed in this letter are subject to change and may not be relied upon for investment advice. No forecasts can be guaranteed.

## PORTFOLIO COMPOSITION

### Portfolio structure (i)



### Top ten holdings (i)

|  |      |
|--|------|
| Comcast Corp., "A"                     | 2.2% |
| Microsoft Corp.                        | 2.0% |
| U.S. Treasury Notes, 1.375%, 1/31/2025 | 2.0% |
| Johnson & Johnson                      | 1.9% |
| Goldman Sachs Group, Inc.              | 1.9% |
| U.S. Treasury Notes, 1.375%, 1/31/2022 | 1.6% |
| JPMorgan Chase & Co.                   | 1.6% |
| Cigna Corp.                            | 1.5% |
| Charles Schwab Corp.                   | 1.3% |
| Eaton Corp. PLC                        | 1.3% |

### Composition including fixed income credit quality (a)(i)

|                         |       |
|-------------------------|-------|
| AAA                     | 4.0%  |
| AA                      | 1.3%  |
| A                       | 5.0%  |
| BBB                     | 9.7%  |
| BB                      | 0.3%  |
| B (o)                   | 0.0%  |
| CCC (o)                 | 0.0%  |
| U.S. Government         | 6.3%  |
| Federal Agencies        | 12.3% |
| Not Rated               | 0.2%  |
| Non-Fixed Income        | 60.1% |
| Cash & Cash Equivalents | 0.8%  |

### GICS equity sectors (g)

|                        |       |
|------------------------|-------|
| Financials             | 13.7% |
| Health Care            | 10.4% |
| Industrials            | 9.4%  |
| Information Technology | 9.1%  |
| Consumer Staples       | 5.2%  |
| Communication Services | 3.7%  |
| Utilities              | 2.8%  |
| Consumer Discretionary | 2.3%  |
| Materials              | 1.8%  |
| Energy                 | 1.2%  |
| Real Estate            | 0.5%  |

### Fixed income sectors (i)

|                                       |       |
|---------------------------------------|-------|
| Investment Grade Corporates           | 15.0% |
| Mortgage-Backed Securities            | 12.3% |
| U.S. Treasury Securities              | 6.3%  |
| Commercial Mortgage-Backed Securities | 2.4%  |
| Collateralized Debt Obligations       | 1.5%  |
| Asset-Backed Securities               | 0.5%  |
| Municipal Bonds                       | 0.4%  |
| Non-U.S. Government Bonds             | 0.3%  |
| High Yield Corporates                 | 0.2%  |
| Emerging Markets Bonds                | 0.2%  |
| U.S. Government Agencies (o)          | 0.0%  |

(a) For all securities other than those specifically described below, ratings are assigned to underlying securities utilizing ratings from Moody's, Fitch, and Standard & Poor's rating agencies and applying the following hierarchy: If all three agencies provide a rating, the middle rating (after dropping the highest and lowest ratings) is assigned; if two of the three agencies rate a security, the lower of the two is assigned. If none of the 3 rating agencies above assign a rating, but the security is rated by DBRS Morningstar, then the DBRS Morningstar rating is assigned. Ratings are shown in the S&P and Fitch scale (e.g., AAA). Securities rated BBB or higher are considered investment grade. All ratings are subject to change. U.S. Government includes securities issued by the U.S. Department of the Treasury. Federal Agencies includes rated and unrated U.S. Agency fixed-income securities, U.S. Agency mortgage-backed securities, and collateralized mortgage obligations of U.S. Agency mortgage-backed securities. Not Rated includes fixed income securities and fixed income derivatives that have not been rated by any rating agency. Non-Fixed Income includes any equity securities (including convertible bonds and equity derivatives) and/or commodity-linked derivatives. The fund may or may not have held all of these instruments on this date. The fund is not rated by these agencies.

*Portfolio Composition - continued*

- (g) The Global Industry Classification Standard (GICS<sup>®</sup>) was developed by and/or is the exclusive property of MSCI, Inc. and S&P Global Market Intelligence Inc. ("S&P Global Market Intelligence"). GICS is a service mark of MSCI and S&P Global Market Intelligence and has been licensed for use by MFS. MFS has applied its own internal sector/industry classification methodology for equity securities and non-equity securities that are unclassified by GICS.
- (i) For purposes of this presentation, the components include the value of securities, and reflect the impact of the equivalent exposure of derivative positions, if any. These amounts may be negative from time to time. Equivalent exposure is a calculated amount that translates the derivative position into a reasonable approximation of the amount of the underlying asset that the portfolio would have to hold at a given point in time to have the same price sensitivity that results from the portfolio's ownership of the derivative contract. When dealing with derivatives, equivalent exposure is a more representative measure of the potential impact of a position on portfolio performance than value. The bond component will include any accrued interest amounts.
- (o) Less than 0.1%.

Where the fund holds convertible bonds, they are treated as part of the equity portion of the portfolio.

Cash & Cash Equivalents includes any cash, investments in money market funds, short-term securities, and other assets less liabilities. Please see the Statement of Assets and Liabilities for additional information related to the fund's cash position and other assets and liabilities.

Percentages are based on net assets as of December 31, 2020.

The portfolio is actively managed and current holdings may be different.

## MANAGEMENT REVIEW

### Summary of Results

For the twelve months ended December 31, 2020, Initial Class shares of the MFS Total Return Series (fund) provided a total return of 9.81%, while Service Class shares of the fund provided a total return of 9.52%. These compare with returns of 18.40% and 7.51% over the same period for the fund's benchmarks, the Standard & Poor's 500 Stock Index (S&P 500 Index) and the Bloomberg Barclays U.S. Aggregate Bond Index, respectively. The fund's other benchmark, the MFS Total Return Blended Index (Blended Index), generated a return of 14.73%. The Blended Index reflects the blended returns of the equity and fixed income market indices, with percentage allocations to each index designed to resemble the equity and fixed income allocations of the fund. The market indices and related percentage allocations used to compile the Blended Index are set forth in the Performance Summary.

### Market Environment

Markets experienced an extraordinarily sharp selloff early in the period and, in many cases, an unusually rapid recovery later. Central banks and fiscal authorities undertook astonishing levels of stimulus to offset the economic effects of government-imposed social-distancing measures implemented to slow the spread of the COVID-19 virus. At this point, the global economy looks to have experienced the shortest — albeit the deepest and steepest — recession in the postwar period. However, the recovery remains subject to more than the usual number of uncertainties due to questions about the evolution of the virus, what its continued impact will be and how quickly vaccines to guard against it can be manufactured and distributed at scale. There are also worries over the public's willingness to be inoculated.

Around the world, central banks responded quickly and massively to the crisis with programs to improve liquidity and support markets. These programs proved largely successful in helping to restore market function, ease volatility and stimulate a continued market rebound. Late in the period, the US Federal Reserve adopted a new, flexible, average-inflation-targeting framework, which is expected to result in the federal funds rate remaining at low levels longer than under its previous model. In developed countries, monetary easing measures were complemented by unusually large fiscal stimulus initiatives. Due to relatively manageable external liabilities and balances of payments in many countries and persistently low inflation, even emerging market countries were able to implement countercyclical policies — a departure from the usual market-dictated response to risk-off crises.

Compounding market uncertainty earlier in the pandemic was a crash in the price of crude oil due to a sharp drop in global demand and a disagreement between Saudi Arabia and Russia over production cuts, which resulted in an oil price war. The subsequent decline in prices undercut oil exporters, many of which are in emerging markets, as well as a large segment of the high-yield credit market. The OPEC+ group later agreed on output cuts, with shale oil producers in the US also decreasing production, which, along with the gradual reopening of some major economies and the resultant boost in demand, helped stabilize the price of crude oil.

In the immediate aftermath of the market disruption that accompanied the initial phases of the pandemic, many companies that had added significant leverage to their balance sheets in recent years by borrowing to fund dividend payments and stock buybacks halted those activities, and some companies were forced to recapitalize. As markets and the economy stabilized later in the period, in many cases dividend payments and buybacks resumed. Conversely, some companies found themselves flush with liquidity, having borrowed preemptively during the worst of the crisis only to end up with excess cash on their balance sheets.

### Detractors from Performance

Within the equity portion of the fund, both an underweight position and stock selection in the *information technology* sector weighed on performance relative to the S&P 500 Index. Within this sector, the fund's underweight positions in both computer and personal electronics maker Apple and software giant Microsoft, not holding shares of computer graphics processor maker NVIDIA and digital payment technology developer PayPal, and its overweight position in semiconductor company Intel, weakened relative returns. Despite headwinds related to COVID-19, the share price of Apple appreciated as product demand recovered more rapidly than expected. The shift toward work-from-home and remote learning helped to support strong iPhone and iPad sales. Additionally, shares of Apple reacted positively to the announcement of a new line of its flagship iPhone product with 5G compatibility.

An overweight allocation to the poor-performing *financials* sector also detracted from relative results. Here, the timing of the fund's position in shares of diversified financial services firm Citigroup<sup>(h)</sup>, and overweight positions in banking services providers U.S. Bancorp and JPMorgan Chase, hurt relative returns.

Elsewhere, the timing of the fund's underweight position in strong-performing internet retailer Amazon.com<sup>(h)</sup>, and holding of Canadian integrated energy company Suncor Energy<sup>(b)(h)</sup>, held back relative results. The share price of Amazon.com rose over the reporting period, benefiting from increased demand for cloud-computing services and at-home retail demand.

Within the fixed income portion of the fund, the fund's yield curve<sup>(y)</sup> positioning, notably a greater exposure to U.S. Government swap spreads at the 5, 10, 20 and 30 year key rates, was a primary factor that detracted from performance relative to the Bloomberg Barclays U.S. Aggregate Bond Index, as swap spreads widened over the reporting period. A shorter exposure to the 2 and 10 year key rates also held back relative results, as interest rates declined over the reporting period.

*Management Review - continued***Contributors to Performance**

Within the equity portion of the fund, stock selection within the *industrials* sector was a primary factor lifting performance relative to the S&P 500 Index. Within this sector, not holding shares of aerospace company Boeing, and an overweight position in leading diversified industrial manufacturer Eaton (Ireland), benefited relative returns. The share price of Boeing declined as the travel and airline industries came under intense pressure amid the outbreak of the COVID-19 virus, which resulted in widespread travel restrictions across the globe and ultimately led the company to suspend production.

Stocks in other sectors that were among the fund's top relative contributors included holding shares of semiconductor firm Taiwan Semiconductor Manufacturing<sup>(b)</sup> (Taiwan) and residential home building company Toll Brothers<sup>(b)(h)</sup>, as well as the timing of the fund's positions in integrated energy companies Exxon Mobil<sup>(h)</sup> and Chevron<sup>(h)</sup>. Not holding shares of telecommunications firm AT&T and insurance and investment firm Berkshire Hathaway, and overweight positions in healthcare equipment manufacturer Danaher and financial services provider Charles Schwab, also supported relative results. The stock price for Taiwan Semiconductor Manufacturing advanced after the company delivered quarterly earnings per share results that were well ahead of market expectations. Management noted that the better-than-expected quarterly strength was primarily driven by strong demand across all application platforms, with revenue growth in smartphones leading the way.

Within the fixed income portion of the fund, asset allocation decisions were a primary driver of performance relative to the Bloomberg Barclays U.S. Aggregate Bond Index. Here, from a sector perspective, overweight allocations to the *industrials*, *financial institutions* and *utilities* sectors, as well as an underweight allocation to the *Treasury* sector, lifted relative returns. From a quality perspective, the fund's out-of-benchmark allocations to "CCC" and "B" rated bonds also supported relative results.

Bond selection was another factor that benefited relative performance in the fixed income portion of the fund. From a sector perspective, security selection within the *industrials*, *financial institutions* and *fixed-rate agency mortgage back security (MBS)* sectors contributed to relative returns. From a quality perspective, issuer selection within the "A", "BBB" and "AAA" rated bonds aided relative results.

Respectfully,

Portfolio Manager(s)

Steven Gorham, Alexander Mackey, Joshua Marston, Johnathan Munko, Henry Peabody, and Robert Persons

*Note to Contract Owners: Effective December 31, 2020, Jonathan Sage and Brooks Taylor were no longer Portfolio Managers of the fund. Effective June 30, 2021, Robert Persons will no longer be a Portfolio Manager of the fund.*

(b) Security is not a benchmark constituent.

(h) Security was not held in the portfolio at period end.

(y) A yield curve graphically depicts the yields of different maturity bonds of the same credit quality and type; a normal yield curve is upward sloping, with short-term rates lower than long-term rates.

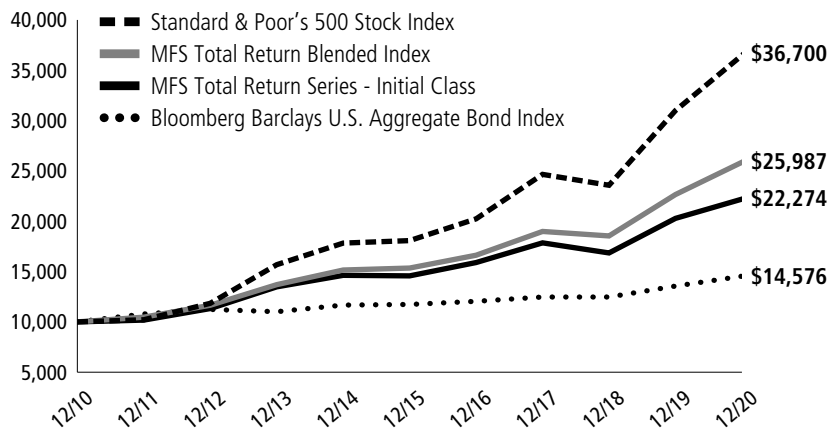
The views expressed in this report are those of the portfolio manager(s) only through the end of the period of the report as stated on the cover and do not necessarily reflect the views of MFS or any other person in the MFS organization. These views are subject to change at any time based on market or other conditions, and MFS disclaims any responsibility to update such views. These views may not be relied upon as investment advice or an indication of trading intent on behalf of any MFS portfolio. References to specific securities are not recommendations of such securities, and may not be representative of any MFS portfolio's current or future investments.

## PERFORMANCE SUMMARY THROUGH 12/31/20

The following chart illustrates the historical performance of the fund in comparison to its benchmark(s). Benchmarks are unmanaged and may not be invested in directly. Benchmark returns do not reflect any fees or expenses. The performance of other share classes will be greater than or less than that of the class depicted below. (See Notes to Performance Summary.)

**Performance data shown represents past performance and is no guarantee of future results. Investment return and principal value fluctuate so your units, when sold, may be worth more or less than the original cost; current performance may be lower or higher than quoted. The performance shown does not reflect the deduction of taxes, if any, that a contract holder would pay on fund distributions or the redemption of contract units. The returns for the fund shown also do not reflect the deduction of expenses associated with variable products, such as mortality and expense risk charges, separate account charges, and sales charges imposed by the insurance company separate accounts. Such expenses would reduce the overall returns shown.**

### Growth of a Hypothetical \$10,000 Investment



### Total Returns through 12/31/20

#### Average annual total returns

| Share Class   | Class Inception Date | 1-yr  | 5-yr  | 10-yr |
|---------------|----------------------|-------|-------|-------|
| Initial Class | 1/03/95              | 9.81% | 8.86% | 8.34% |
| Service Class | 5/01/00              | 9.52% | 8.58% | 8.07% |

#### Comparative benchmark(s)

|  |        |        |        |
|--|--------|--------|--------|
| Standard & Poor's 500 Stock Index (f)            | 18.40% | 15.22% | 13.88% |
| Bloomberg Barclays U.S. Aggregate Bond Index (f) | 7.51%  | 4.44%  | 3.84%  |
| MFS Total Return Blended Index (f)(w)            | 14.73% | 11.11% | 10.02% |

(f) Source: FactSet Research Systems Inc.

(w) As of December 31, 2020, the MFS Total Return Blended Index (a custom index) was comprised of 60% Standard & Poor's 500 Stock Index and 40% Bloomberg Barclays U.S. Aggregate Bond Index.

#### Benchmark Definition(s)

Bloomberg Barclays U.S. Aggregate Bond Index<sup>(a)</sup> – a market capitalization-weighted index that measures the performance of the U.S. investment-grade, fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities with at least one year to final maturity.

Standard & Poor's 500 Stock Index<sup>(g)</sup> – a market capitalization-weighted index of 500 widely held equity securities, designed to measure broad U.S. equity performance.

It is not possible to invest directly in an index.

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*Performance Summary – continued*

- (g) "Standard & Poor's®" and "S&P®" are registered trademarks of Standard & Poor's Financial Services LLC ("S&P") and Dow Jones is a registered trademark of Dow Jones Trademark Holdings LLC ("Dow Jones") and have been licensed for use by S&P Dow Jones Indices LLC and sublicensed for certain purposes by MFS. The S&P 500® is a product of S&P Dow Jones Indices LLC, and has been licensed for use by MFS. MFS's product(s) is not sponsored, endorsed, sold, or promoted by S&P Dow Jones Indices LLC, Dow Jones, S&P, or their respective affiliates, and neither S&P Dow Jones Indices LLC, Dow Jones, S&P, nor their respective affiliates make any representation regarding the advisability of investing in such product(s).

**Notes to Performance Summary**

Average annual total return represents the average annual change in value for each share class for the periods presented.

Performance results reflect any applicable expense subsidies and waivers in effect during the periods shown. Without such subsidies and waivers the fund's performance results would be less favorable. Please see the prospectus and financial statements for complete details. All results are historical and assume the reinvestment of any dividends and capital gains distributions.

Performance results do not include adjustments made for financial reporting purposes in accordance with U.S. generally accepted accounting principles and may differ from amounts reported in the financial highlights.

From time to time the fund may receive proceeds from litigation settlements, without which performance would be lower.

## EXPENSE TABLE

### Fund Expenses Borne by the Contract Holders during the Period, July 1, 2020 through December 31, 2020

As a contract holder of the fund, you incur ongoing costs, including management fees; distribution and/or service (12b-1) fees; and other fund expenses. This example is intended to help you understand your ongoing costs (in dollars) of investing in the fund and to compare these costs with the ongoing costs of investing in other mutual funds.

The example is based on an investment of \$1,000 invested at the beginning of the period and held for the entire period July 1, 2020 through December 31, 2020.

#### Actual Expenses

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

#### Hypothetical Example for Comparison Purposes

The second line for each share class in the following table provides information about hypothetical account values and hypothetical expenses based on the fund's actual expense ratio and an assumed rate of return of 5% per year before expenses, which is not the fund's actual return. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the fund and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds.

Please note that the expenses shown in the table are meant to highlight the fund's ongoing costs only and do not take into account the fees and expenses imposed under the variable contracts through which your investment in the fund is made. Therefore, the second line for each share class in the table is useful in comparing ongoing costs associated with an investment in vehicles (such as the fund) which fund benefits under variable annuity and variable life insurance contracts and to qualified pension and retirement plans only, and will not help you determine the relative total costs of investing in the fund through variable annuity and variable life insurance contracts. If the fees and expenses imposed under the variable contracts were included, your costs would have been higher.

| Share Class   |                  | Annualized Expense Ratio | Beginning Account Value 7/01/20 | Ending Account Value 12/31/20 | Expenses Paid During Period (p) 7/01/20-12/31/20 |
|---------------|------------------|--------------------------|---------------------------------|-------------------------------|--|
| Initial Class | Actual           | 0.61%                    | \$1,000.00                      | \$1,143.12                    | \$3.29   |
|               | Hypothetical (h) | 0.61%                    | \$1,000.00                      | \$1,022.07                    | \$3.10   |
| Service Class | Actual           | 0.86%                    | \$1,000.00                      | \$1,141.90                    | \$4.63   |
|               | Hypothetical (h) | 0.86%                    | \$1,000.00                      | \$1,020.81                    | \$4.37   |

(h) 5% class return per year before expenses.

(p) "Expenses Paid During Period" are equal to each class's annualized expense ratio, as shown above, multiplied by the average account value over the period, multiplied by 184/366 (to reflect the one-half year period).

## PORTFOLIO OF INVESTMENTS – 12/31/20

The Portfolio of Investments is a complete list of all securities owned by your fund. It is categorized by broad-based asset classes.

| Issuer                        | Shares/Par | Value (\$)           |
|-------------------------------|------------|----------------------|
| <b>COMMON STOCKS – 58.7%</b>  |            |                      |
| <b>Aerospace – 2.4%</b>       |            |                      |
| Honeywell International, Inc. | 141,773    | \$ 30,155,117        |
| L3Harris Technologies, Inc.   | 59,825     | 11,308,121           |
| Lockheed Martin Corp.         | 25,271     | 8,970,700            |
| Northrop Grumman Corp.        | 34,743     | 10,586,887           |
|                               |            | <u>\$ 61,020,825</u> |

|                                   |         |               |
|-----------------------------------|---------|---------------|
| <b>Alcoholic Beverages – 0.4%</b> |         |               |
| Diageo PLC                        | 260,757 | \$ 10,305,405 |

|                          |         |                      |
|--------------------------|---------|----------------------|
| <b>Automotive – 1.1%</b> |         |                      |
| Aptiv PLC                | 43,491  | \$ 5,666,442         |
| Lear Corp.               | 95,036  | 15,113,575           |
| LKQ Corp. (a)            | 200,041 | 7,049,445            |
|                          |         | <u>\$ 27,829,462</u> |

|                            |        |              |
|----------------------------|--------|--------------|
| <b>Broadcasting – 0.1%</b> |        |              |
| Omnicom Group, Inc.        | 37,504 | \$ 2,339,124 |

|  |         |                      |
|--|---------|----------------------|
| <b>Brokerage &amp; Asset Managers – 3.2%</b> |         |                      |
| BlackRock, Inc.                              | 11,739  | \$ 8,470,158         |
| Blackstone Group, Inc.                       | 117,331 | 7,604,222            |
| Cboe Global Markets, Inc.                    | 87,471  | 8,145,300            |
| Charles Schwab Corp.                         | 646,021 | 34,264,954           |
| Invesco Ltd.                                 | 347,117 | 6,050,249            |
| NASDAQ, Inc.                                 | 61,354  | 8,144,130            |
| T. Rowe Price Group, Inc.                    | 50,451  | 7,637,777            |
|  |         | <u>\$ 80,316,790</u> |

|  |         |                      |
|--|---------|----------------------|
| <b>Business Services – 2.9%</b>              |         |                      |
| Accenture PLC, "A"                           | 97,369  | \$ 25,433,757        |
| Amdocs Ltd.                                  | 150,626 | 10,683,902           |
| Equifax, Inc.                                | 48,187  | 9,292,381            |
| Fidelity National Information Services, Inc. | 99,094  | 14,017,837           |
| Fiserv, Inc. (a)                             | 120,729 | 13,746,204           |
|  |         | <u>\$ 73,174,081</u> |

|                        |           |               |
|------------------------|-----------|---------------|
| <b>Cable TV – 2.2%</b> |           |               |
| Comcast Corp., "A"     | 1,047,905 | \$ 54,910,222 |

|                         |         |                      |
|-------------------------|---------|----------------------|
| <b>Chemicals – 1.2%</b> |         |                      |
| 3M Co.                  | 72,203  | \$ 12,620,362        |
| PPG Industries, Inc.    | 127,675 | 18,413,289           |
|                         |         | <u>\$ 31,033,651</u> |

|                                 |         |                      |
|---------------------------------|---------|----------------------|
| <b>Computer Software – 2.8%</b> |         |                      |
| Adobe Systems, Inc. (a)         | 22,252  | \$ 11,128,671        |
| Microsoft Corp.                 | 229,267 | 50,993,566           |
| Oracle Corp.                    | 141,138 | 9,130,217            |
|                                 |         | <u>\$ 71,252,454</u> |

|   |        |              |
|---|--------|--------------|
| <b>Computer Software - Systems – 0.3%</b> |        |              |
| Apple, Inc.                               | 54,252 | \$ 7,198,698 |

| Issuer                           | Shares/Par | Value (\$)           |
|----------------------------------|------------|----------------------|
| <b>COMMON STOCKS – continued</b> |            |                      |
| <b>Construction – 1.5%</b>       |            |                      |
| Masco Corp.                      | 364,655    | \$ 20,030,499        |
| Otis Worldwide Corp.             | 58,523     | 3,953,229            |
| Stanley Black & Decker, Inc.     | 49,393     | 8,819,614            |
| Vulcan Materials Co.             | 34,897     | 5,175,574            |
|                                  |            | <u>\$ 37,978,916</u> |

|                                 |         |                      |
|---------------------------------|---------|----------------------|
| <b>Consumer Products – 0.8%</b> |         |                      |
| Colgate-Palmolive Co.           | 134,676 | \$ 11,516,145        |
| Kimberly-Clark Corp.            | 65,822  | 8,874,780            |
|                                 |         | <u>\$ 20,390,925</u> |

|                                    |         |               |
|------------------------------------|---------|---------------|
| <b>Electrical Equipment – 1.0%</b> |         |               |
| Johnson Controls International PLC | 527,831 | \$ 24,591,646 |

|  |         |                      |
|--|---------|----------------------|
| <b>Electronics – 3.2%</b>                        |         |                      |
| Applied Materials, Inc.                          | 125,029 | \$ 10,790,003        |
| Intel Corp.                                      | 407,962 | 20,324,667           |
| NXP Semiconductors N.V.                          | 69,035  | 10,977,255           |
| Taiwan Semiconductor Manufacturing Co. Ltd., ADR | 154,925 | 16,893,022           |
| Texas Instruments, Inc.                          | 130,459 | 21,412,236           |
|  |         | <u>\$ 80,397,183</u> |

|                                    |         |                      |
|------------------------------------|---------|----------------------|
| <b>Energy - Independent – 0.9%</b> |         |                      |
| ConocoPhillips                     | 146,376 | \$ 5,853,576         |
| Hess Corp.                         | 176,648 | 9,325,248            |
| Pioneer Natural Resources Co.      | 29,148  | 3,319,666            |
| Valero Energy Corp.                | 69,324  | 3,921,659            |
|                                    |         | <u>\$ 22,420,149</u> |

|                                    |         |                      |
|------------------------------------|---------|----------------------|
| <b>Food &amp; Beverages – 2.4%</b> |         |                      |
| Archer Daniels Midland Co.         | 177,205 | \$ 8,932,904         |
| Danone S.A.                        | 132,712 | 8,715,981            |
| General Mills, Inc.                | 144,184 | 8,478,019            |
| J.M. Smucker Co.                   | 41,099  | 4,751,045            |
| Mondelez International, Inc.       | 118,930 | 6,953,837            |
| Nestle S.A.                        | 119,865 | 14,116,260           |
| PepsiCo, Inc.                      | 56,270  | 8,344,841            |
|                                    |         | <u>\$ 60,292,887</u> |

|                                      |         |               |
|--------------------------------------|---------|---------------|
| <b>Food &amp; Drug Stores – 0.6%</b> |         |               |
| Wal-Mart Stores, Inc.                | 105,763 | \$ 15,245,736 |

|  |         |               |
|--|---------|---------------|
| <b>Health Maintenance Organizations – 1.5%</b> |         |               |
| Cigna Corp.                                    | 188,747 | \$ 39,293,350 |

|                                    |         |                      |
|------------------------------------|---------|----------------------|
| <b>Insurance – 3.2%</b>            |         |                      |
| Aon PLC                            | 98,595  | \$ 20,830,166        |
| Chubb Ltd.                         | 156,222 | 24,045,690           |
| Marsh & McLennan Cos., Inc.        | 67,523  | 7,900,191            |
| Reinsurance Group of America, Inc. | 40,760  | 4,724,084            |
| Travelers Cos., Inc.               | 106,417 | 14,937,754           |
| Willis Towers Watson PLC           | 37,547  | 7,910,402            |
|                                    |         | <u>\$ 80,348,287</u> |

|                         |       |               |
|-------------------------|-------|---------------|
| <b>Internet – 0.4%</b>  |       |               |
| Alphabet, Inc., "A" (a) | 5,741 | \$ 10,061,906 |

## MFS Total Return Series

### Portfolio of Investments – continued

| Issuer   | Shares/Par | Value (\$)     |
|--|------------|----------------|
| <b>COMMON STOCKS – continued</b>                             |            |                |
| <b>Leisure &amp; Toys – 0.4%</b>                             |            |                |
| Electronic Arts, Inc.  | 68,298     | \$ 9,807,593   |
| <b>Machinery &amp; Tools – 2.4%</b>                          |            |                |
| Caterpillar, Inc.  | 59,812     | \$ 10,886,980  |
| Eaton Corp. PLC  | 270,966    | 32,553,855     |
| Ingersoll Rand, Inc. (a)                                     | 208,472    | 9,497,985      |
| Trane Technologies PLC                                       | 61,742     | 8,962,469      |
|  |            | \$ 61,901,289  |
| <b>Major Banks – 5.1%</b>                                    |            |                |
| Bank of America Corp.  | 907,031    | \$ 27,492,109  |
| Goldman Sachs Group, Inc.                                    | 179,963    | 47,458,043     |
| JPMorgan Chase & Co.   | 323,869    | 41,154,034     |
| PNC Financial Services Group, Inc.                           | 86,363     | 12,868,087     |
|  |            | \$ 128,972,273 |
| <b>Medical &amp; Health Technology &amp; Services – 1.2%</b> |            |                |
| McKesson Corp.   | 87,383     | \$ 15,197,651  |
| Quest Diagnostics, Inc.                                      | 128,941    | 15,365,899     |
|  |            | \$ 30,563,550  |
| <b>Medical Equipment – 3.2%</b>                              |            |                |
| Becton, Dickinson and Co.                                    | 35,806     | \$ 8,959,377   |
| Danaher Corp.  | 116,793    | 25,944,397     |
| Medtronic PLC  | 249,620    | 29,240,487     |
| Thermo Fisher Scientific, Inc.                               | 38,251     | 17,816,551     |
|  |            | \$ 81,960,812  |
| <b>Metals &amp; Mining – 0.2%</b>                            |            |                |
| Rio Tinto PLC  | 76,395     | \$ 5,714,521   |
| <b>Natural Gas - Distribution – 0.1%</b>                     |            |                |
| Sempra Energy  | 27,055     | \$ 3,447,078   |
| <b>Natural Gas - Pipeline – 0.3%</b>                         |            |                |
| Enterprise Products Partners LP                              | 395,491    | \$ 7,747,669   |
| <b>Other Banks &amp; Diversified Financials – 2.3%</b>       |            |                |
| Northern Trust Corp.   | 87,784     | \$ 8,176,202   |
| Truist Financial Corp.                                       | 659,698    | 31,619,325     |
| U.S. Bancorp   | 383,442    | 17,864,563     |
|  |            | \$ 57,660,090  |
| <b>Pharmaceuticals – 4.1%</b>                                |            |                |
| Bayer AG   | 77,796     | \$ 4,576,627   |
| Eli Lilly & Co.  | 67,236     | 11,352,126     |
| Johnson & Johnson  | 304,259    | 47,884,282     |
| Merck & Co., Inc.  | 321,683    | 26,313,669     |
| Roche Holding AG   | 38,315     | 13,373,246     |
|  |            | \$ 103,499,950 |
| <b>Railroad &amp; Shipping – 1.1%</b>                        |            |                |
| Union Pacific Corp.  | 140,146    | \$ 29,181,200  |
| <b>Real Estate – 0.5%</b>                                    |            |                |
| Public Storage, Inc., REIT                                   | 17,692     | \$ 4,085,613   |
| STORE Capital Corp., REIT                                    | 289,905    | 9,850,972      |
|  |            | \$ 13,936,585  |

| Issuer  | Shares/Par   | Value (\$)             |
|---|--------------|------------------------|
| <b>COMMON STOCKS – continued</b>  |              |                        |
| <b>Specialty Chemicals – 0.7%</b>   |              |                        |
| Axalta Coating Systems Ltd. (a)   | 278,343      | \$ 7,946,692           |
| DuPont de Nemours, Inc.   | 132,071      | 9,391,569              |
|   |              | \$ 17,338,261          |
| <b>Specialty Stores – 1.0%</b>  |              |                        |
| Home Depot, Inc.  | 36,294       | \$ 9,640,412           |
| Target Corp.  | 83,813       | 14,795,509             |
|   |              | \$ 24,435,921          |
| <b>Telecommunications - Wireless – 0.4%</b>   |              |                        |
| T-Mobile USA, Inc. (a)  | 78,141       | \$ 10,537,314          |
| <b>Tobacco – 1.0%</b>   |              |                        |
| Philip Morris International, Inc.   | 314,901      | \$ 26,070,654          |
| <b>Trucking – 0.2%</b>  |              |                        |
| United Parcel Service, Inc., "B"  | 35,942       | \$ 6,052,633           |
| <b>Utilities - Electric Power – 2.4%</b>  |              |                        |
| Duke Energy Corp.   | 225,081      | \$ 20,608,416          |
| Exelon Corp.  | 251,327      | 10,611,026             |
| PG&E Corp. (a)  | 438,478      | 5,463,436              |
| Pinnacle West Capital Corp.   | 71,579       | 5,722,741              |
| Southern Co.  | 287,906      | 17,686,066             |
|   |              | \$ 60,091,685          |
| <b>Total Common Stocks (Identified Cost, \$882,340,041)</b>                                     |              | <b>\$1,489,320,775</b> |
| <b>BONDS – 38.9%</b>  |              |                        |
| <b>Aerospace – 0.3%</b>   |              |                        |
| BAE Systems PLC, 3.4%, 4/15/2030 (n)  | \$ 1,108,000 | \$ 1,254,569           |
| Huntington Ingalls Industries, Inc., 3.844%, 5/01/2025  | 591,000      | 657,194                |
| L3Harris Technologies, Inc., 3.85%, 6/15/2023   | 2,506,000    | 2,706,686              |
| Raytheon Technologies Corp., 4.125%, 11/16/2028   | 1,778,000    | 2,118,727              |
|   |              | \$ 6,737,176           |
| <b>Apparel Manufacturers – 0.0%</b>   |              |                        |
| NIKE, Inc., "B", 3.25%, 3/27/2040   | \$ 880,000   | \$ 1,022,170           |
| <b>Asset-Backed &amp; Securitized – 4.3%</b>  |              |                        |
| ALM Loan Funding, CLO, 2013-7R2A, "A1B2", FLR, 1.636% (LIBOR - 3mo. + 1.4%), 10/15/2027 (n)     | \$ 4,410,000 | \$ 4,313,765           |
| Arbor Realty Trust, Inc., CLO, 2020-FL1, "AS", FLR, 1.559% (LIBOR - 1mo. + 1.4%), 2/15/2035 (n) | 1,150,000    | 1,134,245              |
| AREIT CRE Trust, 2018-CRE2, "A", FLR, 1.133% (LIBOR - 1mo. + 0.98%), 11/14/2035 (n)             | 1,562,971    | 1,547,494              |
| AREIT CRE Trust, 2019-CRE3, "AS", FLR, 1.453% (LIBOR - 1mo. + 1.3%), 9/14/2036 (n)              | 3,366,000    | 3,298,932              |
| Avis Budget Rental Car Funding LLC, 2019-1A, "A", 3.45%, 3/20/2023 (n)                          | 3,880,000    | 3,982,376              |

## Portfolio of Investments – continued

| Issuer   | Shares/Par | Value (\$) |
|--|------------|------------|
| <b>BONDS – continued</b>   |            |            |
| <b>Asset-Backed &amp; Securitized – continued</b>  |            |            |
| Bancorp Commercial Mortgage Trust, 2018-CRE4, “A”, FLR, 1.059% (LIBOR - 1mo. + 0.9%), 9/15/2035 (n)  | \$ 114,740 | \$ 113,845 |
| Bancorp Commercial Mortgage Trust, 2019-CRE6, “AS”, FLR, 1.458% (LIBOR - 1mo. + 1.3%), 9/15/2036 (n) | 3,469,924  | 3,348,209  |
| Bayview Financial Revolving Mortgage Loan Trust, FLR, 1.746% (LIBOR - 1mo. + 1.6%), 12/28/2040 (n)   | 1,015,973  | 1,056,307  |
| BDS Ltd., 2019-FL4, “A”, FLR, 1.253% (LIBOR - 1mo. + 1.10%), 8/15/2036 (n)                           | 2,416,000  | 2,412,980  |
| Chesapeake Funding II LLC, 2018-1A, “A1”, 3.04%, 4/15/2030 (n)                                       | 553,388    | 559,029    |
| Commercial Mortgage Pass-Through Certificates, 2019-BN17, “A4”, 3.714%, 4/15/2052                    | 2,789,000  | 3,236,035  |
| Commercial Mortgage Trust, 2015-LC21, “A4”, 3.708%, 7/10/2048  | 3,980,975  | 4,453,107  |
| CSAIL Commercial Mortgage Trust, 2015-C2, “A4”, 3.504%, 6/15/2057                                    | 2,316,427  | 2,549,460  |
| Cutwater Ltd., 2015-1A, “AR”, FLR, 1.457% (LIBOR - 3mo. + 1.22%), 1/15/2029 (n)                      | 4,318,599  | 4,301,450  |
| Dryden Senior Loan Fund, 2013-26A, “AR”, CLO, FLR, 1.137% (LIBOR - 3mo. + 0.9%), 4/15/2029 (n)       | 2,088,000  | 2,076,769  |
| Dryden Senior Loan Fund, 2018-55A, “A1”, CLO, FLR, 1.256% (LIBOR - 3mo. + 1.02%), 4/15/2031 (n)      | 4,414,000  | 4,388,081  |
| Exantas Capital Corp. CLO Ltd., 2019-RS07, “A”, FLR, 1.153% (LIBOR - 1mo. + 1%), 4/15/2036 (n)       | 285,735    | 282,099    |
| Exeter Automobile Receivables Trust, 2020-1, 2.26%, 4/15/2024 (n)                                    | 720,000    | 729,913    |
| Figueroa CLO Ltd., 2014-1A, “BR”, FLR, 1.737% (LIBOR - 3mo. + 1.5%), 1/15/2027 (n)                   | 1,330,000  | 1,333,325  |
| Fort CRE LLC, 2018-1A, “A1”, FLR, 1.495% (LIBOR - 1mo. + 1.35%), 11/16/2035 (n)                      | 1,638,500  | 1,625,592  |
| GLS Auto Receivables Trust, 2020-1A, “A”, 2.17%, 2/15/2024 (n)                                       | 626,704    | 633,419    |
| GMAC Mortgage Corp. Loan Trust, FGIC, 5.805%, 10/25/2036   | 237,114    | 248,487    |
| GS Mortgage Securities Trust, 2015-GC30, “A4”, 3.382%, 5/10/2050                                     | 4,243,101  | 4,684,269  |
| GS Mortgage Securities Trust, 2019-GSA1, “A4”, 3.047%, 11/10/2052                                    | 2,182,474  | 2,441,808  |
| GS Mortgage Securities Trust, 2020-GC45, “A5”, 2.91%, 2/13/2053                                      | 2,001,659  | 2,215,706  |
| JPMBB Commercial Mortgage Securities Trust, 2014-C26, 3.494%, 1/15/2048                              | 4,880,000  | 5,365,417  |

| Issuer   | Shares/Par   | Value (\$)            |
|--|--------------|-----------------------|
| <b>BONDS – continued</b>   |              |                       |
| <b>Asset-Backed &amp; Securitized – continued</b>  |              |                       |
| JPMBB Commercial Mortgage Securities Trust, 2015-C28, “A4”, 3.227%, 10/15/2048                                 | \$ 3,256,792 | \$ 3,548,368          |
| KKR Real Estate Financial Trust, Inc., 2018-FL1, “A”, FLR, 1.252% (LIBOR - 1mo. + 1.1%), 6/15/2036 (n)         | 2,180,000    | 2,175,991             |
| MF1 CLO Ltd., 2019-FL2, “A”, FLR, 1.278% (LIBOR - 1mo. + 1.13%), 12/25/2034 (n)                                | 4,395,000    | 4,353,981             |
| MF1 Multi-Family Housing Mortgage Loan Trust, 2020-FL4, “A”, FLR, 1.858% (LIBOR - 1mo. + 1.7%), 11/15/2035 (n) | 1,701,000    | 1,702,456             |
| Morgan Stanley Bank of America Merrill Lynch Trust, 2017-C34, “A4”, 3.536%, 11/15/2052                         | 1,600,004    | 1,816,234             |
| Morgan Stanley Capital I Trust, 2017-H1, “A5”, 3.53%, 6/15/2050  | 1,456,742    | 1,652,069             |
| Mountain Hawk CLO Ltd., 2014-3A, “BR”, FLR, 2.018% (LIBOR - 3mo. + 1.8%), 4/18/2025 (n)                        | 4,534,203    | 4,545,158             |
| Neuberger Berman CLO Ltd., 2015-20, “AR”, FLR, 1.036% (LIBOR - 3mo. + 0.8%), 1/15/2028 (n)                     | 1,694,770    | 1,685,615             |
| Oaktree CLO Ltd., 2015-1A, “A2AR”, FLR, 1.568% (LIBOR - 3mo. + 1.35%), 10/20/2027 (n)                          | 809,537      | 802,246               |
| Residential Funding Mortgage Securities, Inc., FGIC, 5.32%, 12/25/2035   | 137,100      | 139,275               |
| Santander Retail Auto Lease Trust, 2020-A, “B”, 1.88%, 3/20/2024 (n)   | 1,631,000    | 1,674,662             |
| Sound Point CLO Ltd., 2015-3A, “AR”, FLR, 1.108% (LIBOR - 3mo. + 0.89%), 1/20/2028 (n)                         | 354,244      | 353,704               |
| UBS Commercial Mortgage Trust, 2017-C8, “A4”, 3.983%, 2/15/2051  | 2,950,000    | 3,426,878             |
| UBS Commercial Mortgage Trust, 2019-C17, “A4”, 2.921%, 10/15/2052  | 2,461,404    | 2,695,598             |
| Venture Corp. Ltd., FLR, 1.424% (LIBOR - 3mo. + 1.2%), 2/28/2026 (n)   | 4,608,000    | 4,583,158             |
| Verizon Owner Trust, 2020-A, “B”, 1.98%, 7/22/2024   | 2,616,000    | 2,701,474             |
| Veros Auto Receivables Trust, 2020-1, “A”, 1.67%, 9/15/2023 (n)  | 1,135,277    | 1,138,709             |
| Wells Fargo Commercial Mortgage Trust, 2015-C28, “A4”, 3.54%, 5/15/2048  | 4,315,766    | 4,792,359             |
| Wells Fargo Commercial Mortgage Trust, 2019-C54, “A4”, 3.146%, 12/15/2052                                      | 3,579,870    | 4,031,104             |
|  |              | <u>\$ 110,151,158</u> |

## MFS Total Return Series

### Portfolio of Investments – continued

| Issuer   | Shares/Par   | Value (\$)           |
|--|--------------|----------------------|
| <b>BONDS – continued</b>   |              |                      |
| <b>Automotive – 0.8%</b>   |              |                      |
| General Motors Co.,<br>6.75%, 4/01/2046                          | \$ 1,124,000 | \$ 1,621,425         |
| General Motors Financial Co., Inc.,<br>4.35%, 4/09/2025          | 640,000      | 714,358              |
| General Motors Financial Co., Inc.,<br>2.75%, 6/20/2025          | 1,174,000    | 1,255,112            |
| Hyundai Capital America,<br>2.65%, 2/10/2025 (n)                 | 1,073,000    | 1,136,570            |
| Hyundai Capital America,<br>3%, 2/10/2027 (n)                    | 1,846,000    | 2,003,213            |
| Lear Corp., 3.8%, 9/15/2027                                      | 2,474,000    | 2,774,331            |
| Lear Corp., 4.25%, 5/15/2029                                     | 875,000      | 999,395              |
| Magna International, Inc.,<br>2.45%, 6/15/2030                   | 2,523,000    | 2,712,465            |
| Toyota Motor Credit Corp.,<br>3.375%, 4/01/2030                  | 1,286,000    | 1,503,728            |
| Volkswagen Group of America<br>Finance LLC, 3.35%, 5/13/2025 (n) | 4,482,000    | 4,926,339            |
|  |              | <u>\$ 19,646,936</u> |
| <b>Broadcasting – 0.2%</b>                                       |              |                      |
| RELX Capital, Inc., 3%, 5/22/2030                                | \$ 707,000   | \$ 784,649           |
| Walt Disney Co., 3.5%, 5/13/2040                                 | 1,654,000    | 1,941,571            |
| Walt Disney Co., 3.6%, 1/13/2051                                 | 1,015,000    | 1,229,677            |
|  |              | <u>\$ 3,955,897</u>  |
| <b>Brokerage &amp; Asset Managers – 0.5%</b>                     |              |                      |
| E*TRADE Financial Corp.,<br>2.95%, 8/24/2022                     | \$ 750,000   | \$ 778,936           |
| E*TRADE Financial Corp.,<br>4.5%, 6/20/2028                      | 1,107,000    | 1,330,300            |
| Intercontinental Exchange, Inc.,<br>2.35%, 9/15/2022             | 410,000      | 423,235              |
| Intercontinental Exchange, Inc.,<br>4%, 10/15/2023               | 1,061,000    | 1,165,880            |
| Intercontinental Exchange, Inc.,<br>2.1%, 6/15/2030              | 2,439,000    | 2,551,438            |
| Intercontinental Exchange, Inc.,<br>1.85%, 9/15/2032             | 723,000      | 728,847              |
| National Securities Clearing Corp.,<br>1.5%, 4/23/2025 (n)       | 1,462,000    | 1,513,101            |
| Raymond James Financial, Inc.,<br>4.95%, 7/15/2046               | 2,325,000    | 3,181,279            |
|  |              | <u>\$ 11,673,016</u> |
| <b>Building – 0.2%</b>   |              |                      |
| CRH America Finance, Inc.,<br>4.5%, 4/04/2048 (n)                | \$ 1,146,000 | \$ 1,441,934         |
| Martin Marietta Materials, Inc.,<br>3.5%, 12/15/2027             | 927,000      | 1,050,010            |
| Martin Marietta Materials, Inc.,<br>2.5%, 3/15/2030              | 258,000      | 276,046              |
| Masco Corp., 4.375%, 4/01/2026                                   | 1,938,000    | 2,274,930            |
| Vulcan Materials Co.,<br>3.5%, 6/01/2030                         | 437,000      | 501,678              |
|  |              | <u>\$ 5,544,598</u>  |

| Issuer  | Shares/Par   | Value (\$)           |
|---|--------------|----------------------|
| <b>BONDS – continued</b>  |              |                      |
| <b>Business Services – 0.5%</b>   |              |                      |
| Equinix, Inc., 2.625%, 11/18/2024   | \$ 3,239,000 | \$ 3,461,949         |
| Equinix, Inc., 1.8%, 7/15/2027  | 2,070,000    | 2,129,952            |
| Fiserv, Inc., 2.65%, 6/01/2030  | 489,000      | 528,771              |
| Fiserv, Inc., 4.4%, 7/01/2049   | 1,654,000    | 2,211,666            |
| Tencent Holdings Ltd.,<br>2.39%, 6/03/2030 (n)  | 1,814,000    | 1,859,713            |
| Verisk Analytics, Inc.,<br>4.125%, 3/15/2029  | 2,462,000    | 2,957,275            |
|   |              | <u>\$ 13,149,326</u> |
| <b>Cable TV – 0.3%</b>  |              |                      |
| Charter Communications<br>Operating LLC/Charter<br>Communications Operating Capital<br>Corp., 5.375%, 5/01/2047 | \$ 491,000   | \$ 611,913           |
| Comcast Corp., 2.8%, 1/15/2051  | 1,055,000    | 1,096,654            |
| Cox Communications, Inc.,<br>1.8%, 10/01/2030 (n)   | 1,514,000    | 1,511,535            |
| Time Warner Entertainment Co. LP,<br>8.375%, 7/15/2033  | 2,855,000    | 4,413,807            |
|   |              | <u>\$ 7,633,909</u>  |
| <b>Chemicals – 0.1%</b>   |              |                      |
| Sherwin-Williams Co.,<br>4.5%, 6/01/2047  | \$ 1,201,000 | \$ 1,603,860         |
| <b>Computer Software – 0.2%</b>   |              |                      |
| Dell International LLC/EMC Corp.,<br>4.9%, 10/01/2026 (n)   | \$ 1,857,000 | \$ 2,192,291         |
| Microsoft Corp., 2.525%, 6/01/2050  | 2,278,000    | 2,397,415            |
|   |              | <u>\$ 4,589,706</u>  |
| <b>Computer Software - Systems – 0.2%</b>   |              |                      |
| Apple, Inc., 2.85%, 5/11/2024   | \$ 2,162,000 | \$ 2,330,681         |
| Apple, Inc., 2.05%, 9/11/2026   | 432,000      | 461,829              |
| Apple, Inc., 3.35%, 2/09/2027   | 647,000      | 737,818              |
| Apple, Inc., 3.85%, 5/04/2043   | 1,303,000    | 1,643,662            |
|   |              | <u>\$ 5,173,990</u>  |
| <b>Conglomerates – 0.4%</b>   |              |                      |
| Carrier Global Corp.,<br>3.377%, 4/05/2040  | \$ 3,320,000 | \$ 3,622,270         |
| Roper Technologies, Inc.,<br>4.2%, 9/15/2028  | 900,000      | 1,072,977            |
| Roper Technologies, Inc.,<br>2.95%, 9/15/2029   | 551,000      | 605,049              |
| Roper Technologies, Inc.,<br>2%, 6/30/2030  | 1,731,000    | 1,768,294            |
| Westinghouse Air Brake Technologies<br>Corp., 3.2%, 6/15/2025   | 920,000      | 992,355              |
| Westinghouse Air Brake Technologies<br>Corp., 4.95%, 9/15/2028  | 2,041,000    | 2,420,466            |
|   |              | <u>\$ 10,481,411</u> |



## Portfolio of Investments – continued

| Issuer  | Shares/Par   | Value (\$)           |
|---|--------------|----------------------|
| <b>BONDS – continued</b>  |              |                      |
| <b>Consumer Products – 0.3%</b>                                   |              |                      |
| Estee Lauder Cos., Inc.,<br>2.6%, 4/15/2030                       | \$ 1,048,000 | \$ 1,150,432         |
| Kimberly-Clark Corp.,<br>3.1%, 3/26/2030                          | 290,000      | 333,782              |
| Reckitt Benckiser Treasury Services<br>PLC, 3.625%, 9/21/2023 (n) | 3,463,000    | 3,728,132            |
| Reckitt Benckiser Treasury Services<br>PLC, 2.75%, 6/26/2024 (n)  | 1,097,000    | 1,173,023            |
|   |              | <u>\$ 6,385,369</u>  |
| <b>Consumer Services – 0.7%</b>                                   |              |                      |
| Amazon.com, Inc., 2.5%, 6/03/2050                                 | \$ 1,806,000 | \$ 1,870,082         |
| Booking Holdings, Inc.,<br>2.75%, 3/15/2023                       | 3,809,000    | 3,994,856            |
| Booking Holdings, Inc.,<br>4.5%, 4/13/2027                        | 524,000      | 624,608              |
| Experian Finance PLC,<br>4.25%, 2/01/2029 (n)                     | 1,699,000    | 2,044,524            |
| IHS Markit Ltd., 3.625%, 5/01/2024                                | 385,000      | 419,950              |
| IHS Markit Ltd., 4.75%, 2/15/2025 (n)                             | 634,000      | 727,578              |
| IHS Markit Ltd., 4%, 3/01/2026 (n)                                | 1,991,000    | 2,280,890            |
| IHS Markit Ltd., 4.25%, 5/01/2029                                 | 578,000      | 702,189              |
| Visa, Inc., 3.15%, 12/14/2025                                     | 4,677,000    | 5,245,755            |
| Western Union Co.,<br>2.85%, 1/10/2025                            | 660,000      | 708,886              |
|   |              | <u>\$ 18,619,318</u> |
| <b>Electronics – 0.4%</b>   |              |                      |
| Broadcom Corp./Broadcom Cayman<br>Finance Ltd., 3.5%, 1/15/2028   | \$ 3,096,000 | \$ 3,411,057         |
| Broadcom, Inc., 4.25%, 4/15/2026                                  | 1,367,000    | 1,565,887            |
| Broadcom, Inc., 4.15%, 11/15/2030                                 | 678,000      | 783,743              |
| Broadcom, Inc., 4.3%, 11/15/2032                                  | 1,765,000    | 2,091,084            |
| Intel Corp., 4.75%, 3/25/2050                                     | 2,420,000    | 3,371,435            |
|   |              | <u>\$ 11,223,206</u> |
| <b>Energy - Integrated – 0.2%</b>                                 |              |                      |
| Eni S.p.A., 4.75%, 9/12/2028 (n)                                  | \$ 1,944,000 | \$ 2,376,153         |
| Total Capital International S.A.,<br>3.127%, 5/29/2050            | 1,962,000    | 2,122,322            |
|   |              | <u>\$ 4,498,475</u>  |
| <b>Financial Institutions – 0.3%</b>                              |              |                      |
| AerCap Ireland Capital DAC,<br>4.875%, 1/16/2024                  | \$ 362,000   | \$ 395,080           |
| AerCap Ireland Capital DAC,<br>3.65%, 7/21/2027                   | 2,789,000    | 3,038,317            |
| Avolon Holdings Funding Ltd.,<br>4.375%, 5/01/2026 (n)            | 776,000      | 840,414              |
| Avolon Holdings Funding Ltd.,<br>3.25%, 2/15/2027 (n)             | 830,000      | 846,547              |
| Park Aerospace Holdings Ltd.,<br>5.5%, 2/15/2024 (n)              | 2,584,000    | 2,817,820            |
|   |              | <u>\$ 7,938,178</u>  |

| Issuer   | Shares/Par   | Value (\$)           |
|--|--------------|----------------------|
| <b>BONDS – continued</b>   |              |                      |
| <b>Food &amp; Beverages – 0.7%</b>   |              |                      |
| Anheuser-Busch InBev S.A.,<br>8%, 11/15/2039                               | \$ 2,610,000 | \$ 4,416,673         |
| Constellation Brands, Inc.,<br>3.5%, 5/09/2027                             | 3,365,000    | 3,794,842            |
| Diageo Capital PLC,<br>2.375%, 10/24/2029                                  | 3,022,000    | 3,251,601            |
| General Mills, Inc., 4%, 4/17/2025   | 2,414,000    | 2,728,506            |
| General Mills, Inc.,<br>2.875%, 4/15/2030                                  | 499,000      | 552,992              |
| Keurig Dr Pepper, Inc.,<br>3.2%, 5/01/2030                                 | 409,000      | 462,835              |
| Keurig Dr Pepper, Inc.,<br>3.8%, 5/01/2050                                 | 833,000      | 995,894              |
| Mondelez International, Inc.,<br>1.5%, 2/04/2031                           | 574,000      | 566,760              |
| PepsiCo, Inc., 3.5%, 3/19/2040   | 646,000      | 773,809              |
|  |              | <u>\$ 17,543,912</u> |
| <b>Gaming &amp; Lodging – 0.2%</b>   |              |                      |
| GLP Capital LP/GLP Financing II, Inc.,<br>5.3%, 1/15/2029                  | \$ 1,804,000 | \$ 2,099,171         |
| Las Vegas Sands Corp.,<br>3.9%, 8/08/2029                                  | 1,044,000    | 1,122,228            |
| Marriott International, Inc.,<br>4%, 4/15/2028                             | 2,208,000    | 2,441,471            |
| Marriott International, Inc.,<br>4.625%, 6/15/2030                         | 287,000      | 336,617              |
|  |              | <u>\$ 5,999,487</u>  |
| <b>Insurance – 0.3%</b>  |              |                      |
| AIA Group Ltd.,<br>3.375%, 4/07/2030 (n)                                   | \$ 731,000   | \$ 818,943           |
| American International Group, Inc.,<br>4.875%, 6/01/2022                   | 3,566,000    | 3,783,284            |
| American International Group, Inc.,<br>4.125%, 2/15/2024                   | 2,620,000    | 2,900,535            |
|  |              | <u>\$ 7,502,762</u>  |
| <b>Insurance - Health – 0.0%</b>   |              |                      |
| UnitedHealth Group, Inc.,<br>3.5%, 8/15/2039                               | \$ 833,000   | \$ 989,620           |
| <b>Insurance - Property &amp; Casualty – 0.3%</b>                          |              |                      |
| Aon Corp., 3.75%, 5/02/2029  | \$ 2,594,000 | \$ 3,024,742         |
| Hartford Financial Services Group,<br>Inc., 3.6%, 8/19/2049                | 1,068,000    | 1,250,991            |
| Liberty Mutual Group, Inc.,<br>3.951%, 10/15/2050 (n)                      | 1,233,000    | 1,473,878            |
| Marsh & McLennan Cos., Inc.,<br>4.75%, 3/15/2039                           | 944,000      | 1,269,009            |
|  |              | <u>\$ 7,018,620</u>  |
| <b>International Market Quasi-Sovereign – 0.3%</b>                         |              |                      |
| Temasek Financial I Ltd. (Republic of<br>Singapore), 2.375%, 1/23/2023 (n) | \$ 6,400,000 | \$ 6,660,151         |
| <b>Internet – 0.0%</b>   |              |                      |
| Alphabet, Inc., 1.9%, 8/15/2040  | \$ 1,079,000 | \$ 1,057,321         |

## MFS Total Return Series

### Portfolio of Investments – continued

| Issuer  | Shares/Par   | Value (\$)           |
|---|--------------|----------------------|
| <b>BONDS – continued</b>  |              |                      |
| <b>Machinery &amp; Tools – 0.1%</b>   |              |                      |
| CNH Industrial Capital LLC, 4.2%, 1/15/2024   | \$ 1,901,000 | \$ 2,084,971         |
| CNH Industrial Capital LLC, 1.875%, 1/15/2026                                       | 513,000      | 537,115              |
|   |              | <u>\$ 2,622,086</u>  |
| <b>Major Banks – 2.0%</b>   |              |                      |
| Bank of America Corp., 4.1%, 7/24/2023  | \$ 3,870,000 | \$ 4,235,133         |
| Bank of America Corp., 4.125%, 1/22/2024  | 5,102,000    | 5,664,818            |
| Bank of America Corp., 3.366% to 1/23/2025, FLR (LIBOR - 3mo. + 0.81%) to 1/23/2026 | 1,842,000    | 2,027,485            |
| Bank of America Corp., 3.5%, 4/19/2026  | 1,542,000    | 1,747,182            |
| Bank of America Corp., 2.676% to 6/19/2040, FLR (SOFR + 1.93%) to 6/19/2041         | 2,249,000    | 2,339,645            |
| Bank of New York Mellon Corp., 1.6%, 4/24/2025                                      | 2,086,000    | 2,180,430            |
| Goldman Sachs Group, Inc., 2.6%, 2/07/2030  | 3,245,000    | 3,490,192            |
| JPMorgan Chase & Co., 3.2%, 1/25/2023   | 5,489,000    | 5,810,415            |
| JPMorgan Chase & Co., 3.782% to 2/01/2027, FLR (LIBOR - 3mo. + 1.337%) to 2/01/2028 | 4,188,000    | 4,814,380            |
| JPMorgan Chase & Co., 2.956% to 5/13/2030, FLR (SOFR + 2.515%) to 5/13/2031         | 637,000      | 698,302              |
| JPMorgan Chase & Co., 3.109% to 4/22/2040, FLR (SOFR + 2.46%) to 4/22/2041          | 3,251,000    | 3,628,633            |
| JPMorgan Chase & Co., 3.897% to 1/23/2048, FLR (LIBOR - 3mo. + 1.22%) to 1/23/2049  | 1,248,000    | 1,570,577            |
| Morgan Stanley, 3.125%, 1/23/2023   | 424,000      | 447,453              |
| Morgan Stanley, 3.875%, 4/29/2024   | 1,539,000    | 1,703,676            |
| Morgan Stanley, 4%, 7/23/2025   | 1,206,000    | 1,380,445            |
| Morgan Stanley, 2.699% to 1/22/2030, FLR (SOFR + 1.143%) to 1/22/2031               | 4,760,000    | 5,164,545            |
| PNC Bank N.A., 2.7%, 10/22/2029   | 835,000      | 912,497              |
| Royal Bank of Canada, 1.15%, 6/10/2025  | 3,142,000    | 3,210,058            |
| State Street Corp., 2.901% to 3/30/2025, FLR (SOFR + 2.6%) to 3/30/2026             | 464,000      | 505,347              |
|   |              | <u>\$ 51,531,213</u> |
| <b>Medical &amp; Health Technology &amp; Services – 0.8%</b>                        |              |                      |
| Alcon, Inc., 2.6%, 5/27/2030 (n)  | \$ 302,000   | \$ 321,639           |
| Alcon, Inc., 3.8%, 9/23/2049 (n)  | 1,564,000    | 1,841,857            |
| Becton, Dickinson and Co., 3.125%, 11/08/2021                                       | 1,075,000    | 1,098,816            |
| Becton, Dickinson and Co., 4.669%, 6/06/2047  | 2,043,000    | 2,678,276            |
| Cigna Corp., 3.2%, 3/15/2040  | 635,000      | 695,368              |
| HCA, Inc., 5.125%, 6/15/2039  | 2,562,000    | 3,274,307            |

| Issuer  | Shares/Par   | Value (\$)           |
|---|--------------|----------------------|
| <b>BONDS – continued</b>  |              |                      |
| <b>Medical &amp; Health Technology &amp; Services – continued</b> |              |                      |
| Laboratory Corp. of America Holdings, 3.2%, 2/01/2022             | \$ 660,000   | \$ 679,629           |
| Laboratory Corp. of America Holdings, 3.25%, 9/01/2024            | 1,672,000    | 1,819,512            |
| Laboratory Corp. of America Holdings, 4.7%, 2/01/2045             | 1,590,000    | 2,083,882            |
| Northwell Healthcare, Inc., 3.979%, 11/01/2046                    | 171,000      | 195,721              |
| Northwell Healthcare, Inc., 4.26%, 11/01/2047                     | 1,367,000    | 1,637,456            |
| Thermo Fisher Scientific, Inc., 2.95%, 9/19/2026                  | 1,333,000    | 1,485,626            |
| Thermo Fisher Scientific, Inc., 3.2%, 8/15/2027                   | 2,566,000    | 2,883,369            |
|   |              | <u>\$ 20,695,458</u> |
| <b>Medical Equipment – 0.3%</b>                                   |              |                      |
| Boston Scientific Corp., 3.75%, 3/01/2026                         | \$ 2,680,000 | \$ 3,040,696         |
| Zimmer Biomet Holdings, Inc., 3.55%, 4/01/2025                    | 2,940,000    | 3,246,918            |
|   |              | <u>\$ 6,287,614</u>  |
| <b>Metals &amp; Mining – 0.2%</b>                                 |              |                      |
| Anglo American Capital PLC, 5.625%, 4/01/2030 (n)                 | \$ 1,071,000 | \$ 1,363,276         |
| Anglo American Capital PLC, 2.625%, 9/10/2030 (n)                 | 3,071,000    | 3,209,524            |
| Glencore Funding LLC, 4.125%, 5/30/2023 (n)                       | 1,412,000    | 1,527,007            |
|   |              | <u>\$ 6,099,807</u>  |
| <b>Midstream – 0.6%</b>   |              |                      |
| Cheniere Corpus Christi Holdings LLC, 3.7%, 11/15/2029            | \$ 1,727,000 | \$ 1,921,677         |
| Enbridge, Inc., 2.5%, 1/15/2025                                   | 1,100,000    | 1,177,589            |
| Enterprise Products Operating LLC, 4.2%, 1/31/2050                | 882,000      | 1,034,404            |
| Kinder Morgan Energy Partners LP, 4.15%, 2/01/2024                | 1,369,000    | 1,495,002            |
| ONEOK, Inc., 4.95%, 7/13/2047                                     | 2,637,000    | 2,941,916            |
| Plains All American Pipeline LP, 3.8%, 9/15/2030                  | 1,781,000    | 1,913,651            |
| Sabine Pass Liquefaction LLC, 5%, 3/15/2027                       | 1,769,000    | 2,085,066            |
| Sabine Pass Liquefaction LLC, 4.5%, 5/15/2030 (n)                 | 585,000      | 693,043              |
| Spectra Energy Partners LP, 3.375%, 10/15/2026                    | 942,000      | 1,055,773            |
|   |              | <u>\$ 14,318,121</u> |
| <b>Mortgage-Backed – 12.2%</b>                                    |              |                      |
| Fannie Mae, 5.5%, 1/01/2021-4/01/2040                             | \$ 7,024,578 | \$ 8,102,706         |
| Fannie Mae, 6%, 1/01/2021-7/01/2037                               | 3,751,473    | 4,386,156            |
| Fannie Mae, 2.59%, 5/01/2023                                      | 431,768      | 447,855              |
| Fannie Mae, 5%, 12/01/2023-3/01/2041                              | 2,916,298    | 3,366,080            |



## Portfolio of Investments – continued

| Issuer  | Shares/Par    | Value (\$)    | Issuer  | Shares/Par    | Value (\$) |
|---|---------------|---------------|---|---------------|------------|
| <b>BONDS – continued</b>                      |               |               | <b>BONDS – continued</b>                      |               |            |
| <b>Mortgage-Backed – continued</b>            |               |               | <b>Mortgage-Backed – continued</b>            |               |            |
| Fannie Mae, 3.5%,<br>5/25/2025-7/01/2046      | \$ 19,138,553 | \$ 20,712,338 | Freddie Mac, 0.635%, 6/25/2027 (i)            | \$ 13,682,000 | \$ 570,772 |
| Fannie Mae, 2.7%, 7/01/2025                   | 367,000       | 397,666       | Freddie Mac, 0.75%, 6/25/2027 (i)             | 4,683,606     | 201,540    |
| Fannie Mae, 3.43%, 6/01/2026                  | 557,231       | 622,455       | Freddie Mac, 3.117%, 6/25/2027                | 1,114,000     | 1,265,357  |
| Fannie Mae, 2.28%, 11/01/2026                 | 464,465       | 497,982       | Freddie Mac, 0.576%, 7/25/2027 (i)            | 12,049,056    | 417,415    |
| Fannie Mae, 2.583%, 12/25/2026                | 1,585,000     | 1,738,706     | Freddie Mac, 0.329%, 8/25/2027 (i)            | 9,650,000     | 222,939    |
| Fannie Mae, 3%,<br>11/01/2028-9/01/2050       | 16,939,300    | 18,007,281    | Freddie Mac, 0.432%, 8/25/2027 (i)            | 6,687,613     | 177,519    |
| Fannie Mae, 6.5%,<br>6/01/2031-7/01/2037      | 1,239,095     | 1,435,540     | Freddie Mac, 0.279%, 9/25/2027 (i)            | 10,419,000    | 206,658    |
| Fannie Mae, 2.5%,<br>11/01/2031-12/01/2050    | 6,443,403     | 6,822,406     | Freddie Mac, 3.187%, 9/25/2027                | 754,000       | 863,456    |
| Fannie Mae, 3%, 2/25/2033 (i)                 | 466,990       | 49,552        | Freddie Mac, 0.197%, 11/25/2027 (i)           | 16,290,000    | 239,500    |
| Fannie Mae, 4.5%,<br>8/01/2033-6/01/2044      | 7,126,335     | 7,968,273     | Freddie Mac, 0.29%, 11/25/2027 (i)            | 11,632,980    | 213,823    |
| Fannie Mae, 3.25%, 5/25/2040                  | 186,198       | 201,906       | Freddie Mac, 0.325%, 11/25/2027 (i)           | 10,431,293    | 224,809    |
| Fannie Mae, 4%,<br>9/01/2040-6/01/2047        | 13,794,196    | 15,072,282    | Freddie Mac, 0.241%, 12/25/2027 (i)           | 10,109,000    | 183,703    |
| Fannie Mae, 2%,<br>10/25/2040-4/25/2046       | 751,440       | 771,753       | Freddie Mac, 0.287%, 12/25/2027 (i)           | 11,210,000    | 237,229    |
| Fannie Mae, 4%, 7/25/2046 (i)                 | 417,810       | 78,286        | Freddie Mac, 0.368%, 12/25/2027 (i)           | 17,817,089    | 423,400    |
| Fannie Mae, TBA, 1.5%,<br>1/16/2036-1/14/2051 | 6,075,000     | 6,171,271     | Freddie Mac, 3.65%, 2/25/2028                 | 904,000       | 1,065,934  |
| Fannie Mae, TBA, 3%,<br>1/16/2036-2/12/2051   | 16,150,000    | 16,926,599    | Freddie Mac, 3.9%, 4/25/2028                  | 1,667,000     | 1,992,108  |
| Fannie Mae, TBA, 2%,<br>1/25/2036-2/12/2051   | 28,150,000    | 29,253,135    | Freddie Mac, 1.089%, 7/25/2029 (i)            | 829,838       | 68,884     |
| Fannie Mae, TBA, 2.5%,<br>1/25/2036-2/25/2051 | 20,025,000    | 21,026,327    | Freddie Mac, 1.144%, 8/25/2029 (i)            | 5,224,757     | 454,054    |
| Fannie Mae, TBA, 3.5%, 1/14/2051              | 3,850,000     | 4,069,165     | Freddie Mac, 1.799%, 4/25/2030 (i)            | 900,000       | 136,392    |
| Fannie Mae, TBA, 4%, 1/25/2051                | 1,275,000     | 1,361,558     | Freddie Mac, 1.868%, 4/25/2030 (i)            | 2,701,417     | 416,059    |
| Freddie Mac, 6%,<br>5/01/2021-6/01/2037       | 1,428,257     | 1,674,580     | Freddie Mac, 1.662%, 5/25/2030 (i)            | 1,301,002     | 181,136    |
| Freddie Mac, 5.5%,<br>10/01/2021-2/01/2037    | 1,100,826     | 1,269,237     | Freddie Mac, 1.796%, 5/25/2030 (i)            | 3,334,078     | 497,086    |
| Freddie Mac, 5%,<br>12/01/2021-1/15/2040      | 1,819,355     | 2,105,351     | Freddie Mac, 1.342%, 6/25/2030 (i)            | 1,327,631     | 152,973    |
| Freddie Mac, 2.791%, 1/25/2022                | 1,485,000     | 1,515,023     | Freddie Mac, 1.6%, 8/25/2030 (i)              | 1,191,673     | 163,917    |
| Freddie Mac, 2.51%, 11/25/2022                | 1,503,000     | 1,551,993     | Freddie Mac, 1.169%, 9/25/2030 (i)            | 775,587       | 80,428     |
| Freddie Mac, 3.111%, 2/25/2023                | 2,136,000     | 2,247,079     | Freddie Mac, 1.081%, 11/25/2030 (i)           | 1,356,411     | 131,926    |
| Freddie Mac, 3.32%, 2/25/2023                 | 745,000       | 787,854       | Freddie Mac, 0.306%, 11/25/2032 (i)           | 8,846,186     | 252,916    |
| Freddie Mac, 3.25%, 4/25/2023                 | 2,474,000     | 2,617,776     | Freddie Mac, 6.5%,<br>5/01/2034-7/01/2037     | 714,973       | 814,640    |
| Freddie Mac, 3.06%, 7/25/2023                 | 175,000       | 185,868       | Freddie Mac, 5.5%, 2/15/2036 (i)              | 94,849        | 18,025     |
| Freddie Mac, 3.458%, 8/25/2023                | 1,642,000     | 1,762,339     | Freddie Mac, 4%,<br>8/01/2037-8/01/2047       | 7,053,904     | 7,670,034  |
| Freddie Mac, 0.879%, 4/25/2024 (i)            | 5,291,250     | 121,505       | Freddie Mac, 3.5%,<br>11/01/2037-10/25/2058   | 13,468,772    | 14,600,342 |
| Freddie Mac, 0.503%, 7/25/2024 (i)            | 14,179,000    | 249,652       | Freddie Mac, 3%,<br>1/01/2038-2/25/2059       | 16,533,441    | 17,864,407 |
| Freddie Mac, 0.604%, 7/25/2024 (i)            | 5,069,632     | 83,467        | Freddie Mac, 4.5%, 12/15/2040 (i)             | 94,736        | 9,019      |
| Freddie Mac, 4.5%,<br>8/01/2024-5/01/2042     | 1,367,502     | 1,518,031     | Freddie Mac, 4%, 8/15/2044 (i)                | 116,969       | 14,086     |
| Freddie Mac, 0.315%, 8/25/2024 (i)            | 15,246,000    | 193,923       | Ginnie Mae, 6%,<br>9/15/2032-1/15/2038        | 1,488,493     | 1,756,929  |
| Freddie Mac, 0.412%, 8/25/2024 (i)            | 27,879,628    | 342,855       | Ginnie Mae, 5.5%,<br>5/15/2033-10/15/2035     | 919,496       | 1,056,190  |
| Freddie Mac, 3.064%, 8/25/2024                | 794,000       | 859,191       | Ginnie Mae, 4.5%,<br>7/20/2033-9/20/2041      | 2,299,408     | 2,594,610  |
| Freddie Mac, 0.362%, 10/25/2024 (i)           | 20,156,212    | 226,058       | Ginnie Mae, 5%,<br>7/20/2033-12/15/2034       | 301,803       | 344,975    |
| Freddie Mac, 3.171%, 10/25/2024               | 1,304,000     | 1,429,811     | Ginnie Mae, 4%,<br>1/20/2041-2/20/2042        | 2,559,668     | 2,828,131  |
| Freddie Mac, 0.276%, 11/25/2024 (i)           | 15,385,000    | 168,418       | Ginnie Mae, 3.5%,<br>12/15/2041-3/20/2048     | 9,190,750     | 9,968,807  |
| Freddie Mac, 2.67%, 12/25/2024                | 1,561,000     | 1,686,344     | Ginnie Mae, 3%,<br>4/20/2045-9/20/2050        | 13,193,623    | 13,982,472 |
| Freddie Mac, 3.329%, 5/25/2025                | 2,660,000     | 2,962,679     | Ginnie Mae, 2.5%,<br>11/20/2050-12/20/2050    | 7,293,131     | 7,725,858  |
| Freddie Mac, 3.01%, 7/25/2025                 | 423,000       | 466,620       | Ginnie Mae, 0.617%, 2/16/2059 (i)             | 5,008,625     | 239,996    |
| Freddie Mac, 3.151%, 11/25/2025               | 1,001,000     | 1,115,438     | Ginnie Mae, TBA, 2.5%,<br>1/21/2051-2/20/2051 | 7,900,000     | 8,355,664  |
|   |               |               | Ginnie Mae, TBA, 3%, 1/21/2051                | 1,500,000     | 1,568,364  |
|   |               |               | Ginnie Mae, TBA, 3.5%, 1/21/2051              | 3,450,000     | 3,656,218  |

## MFS Total Return Series

### Portfolio of Investments – continued

| Issuer   | Shares/Par   | Value (\$)            |
|--|--------------|-----------------------|
| <b>BONDS – continued</b>   |              |                       |
| <b>Mortgage-Backed – continued</b>   |              |                       |
| Ginnie Mae, TBA, 4%, 1/21/2051   | \$ 1,425,000 | \$ 1,519,215          |
| Ginnie Mae, TBA, 2%, 2/20/2051   | 6,050,000    | 6,315,625             |
|  |              | <u>\$ 310,573,910</u> |
| <b>Municipals – 0.4%</b>   |              |                       |
| New Jersey Economic Development Authority State Pension Funding Rev., "A", NATL, 7.425%, 2/15/2029 | \$ 2,750,000 | \$ 3,544,503          |
| New Jersey Turnpike Authority Rev. (Build America Bonds), "F", 7.414%, 1/01/2040                   | 3,685,000    | 6,179,745             |
| State of Florida, "A", 2.154%, 7/01/2030   | 1,437,000    | 1,512,040             |
|  |              | <u>\$ 11,236,288</u>  |
| <b>Natural Gas - Distribution – 0.0%</b>   |              |                       |
| NiSource, Inc., 5.65%, 2/01/2045   | \$ 554,000   | \$ 795,704            |
| <b>Natural Gas - Pipeline – 0.2%</b>   |              |                       |
| APT Pipelines Ltd., 4.2%, 3/23/2025 (n)  | \$ 3,780,000 | \$ 4,168,982          |
| APT Pipelines Ltd., 4.25%, 7/15/2027 (n)   | 280,000      | 318,024               |
|  |              | <u>\$ 4,487,006</u>   |
| <b>Network &amp; Telecom – 0.3%</b>  |              |                       |
| AT&T, Inc., 3.65%, 9/15/2059 (n)   | \$ 2,028,000 | \$ 2,033,928          |
| Verizon Communications, Inc., 4.272%, 1/15/2036  | 2,164,000    | 2,680,949             |
| Verizon Communications, Inc., 4.812%, 3/15/2039  | 2,616,000    | 3,408,577             |
|  |              | <u>\$ 8,123,454</u>   |
| <b>Oils – 0.3%</b>   |              |                       |
| Marathon Petroleum Corp., 4.75%, 9/15/2044   | \$ 1,264,000 | \$ 1,448,609          |
| Phillips 66 Co., 2.15%, 12/15/2030   | 3,897,000    | 3,953,825             |
| Valero Energy Corp., 4.9%, 3/15/2045   | 2,669,000    | 3,106,079             |
|  |              | <u>\$ 8,508,513</u>   |
| <b>Other Banks &amp; Diversified Financials – 0.5%</b>   |              |                       |
| BBVA Bancomer S.A. de C.V., 6.75%, 9/30/2022 (n)   | \$ 2,890,000 | \$ 3,124,090          |
| Branch Banking & Trust Co., 2.25%, 3/11/2030   | 2,707,000    | 2,838,517             |
| Capital One Financial Corp., 3.75%, 3/09/2027  | 1,956,000    | 2,231,407             |
| Citigroup, Inc., 2.666% to 1/29/2030, FLR (SOFR + 1.146%) to 1/29/2031                             | 3,245,000    | 3,479,358             |
|  |              | <u>\$ 11,673,372</u>  |
| <b>Pollution Control – 0.1%</b>  |              |                       |
| Republic Services, Inc., 3.95%, 5/15/2028  | \$ 1,412,000 | \$ 1,655,146          |
| Republic Services, Inc., 1.45%, 2/15/2031  | 1,135,000    | 1,110,138             |
|  |              | <u>\$ 2,765,284</u>   |

| Issuer  | Shares/Par   | Value (\$)           |
|---|--------------|----------------------|
| <b>BONDS – continued</b>                                  |              |                      |
| <b>Real Estate - Other – 0.0%</b>                         |              |                      |
| Prologis LP, REIT, 2.25%, 4/15/2030                       | \$ 816,000   | \$ 873,920           |
| <b>Real Estate - Retail – 0.2%</b>                        |              |                      |
| Brixmor Operating Partnership LP, REIT, 4.125%, 5/15/2029 | \$ 200,000   | \$ 229,956           |
| Brixmor Operating Partnership LP, REIT, 4.05%, 7/01/2030  | 1,903,000    | 2,183,078            |
| Realty Income Corp., REIT, 3.25%, 1/15/2031               | 649,000      | 735,306              |
| VEREIT Operating Partnership LP, REIT, 3.1%, 12/15/2029   | 1,759,000    | 1,896,814            |
|   |              | <u>\$ 5,045,154</u>  |
| <b>Retailers – 0.4%</b>                                   |              |                      |
| Best Buy Co., Inc., 4.45%, 10/01/2028                     | \$ 2,306,000 | \$ 2,757,844         |
| Costco Wholesale Corp., 1.75%, 4/20/2032                  | 2,168,000    | 2,251,751            |
| Home Depot, Inc., 3.9%, 6/15/2047                         | 1,262,000    | 1,608,949            |
| Target Corp., 2.25%, 4/15/2025                            | 3,248,000    | 3,482,547            |
|   |              | <u>\$ 10,101,091</u> |
| <b>Specialty Stores – 0.1%</b>                            |              |                      |
| TJX Cos., Inc., 3.75%, 4/15/2027                          | \$ 433,000   | \$ 500,552           |
| TJX Cos., Inc., 3.875%, 4/15/2030                         | 519,000      | 622,437              |
|   |              | <u>\$ 1,122,989</u>  |
| <b>Telecommunications - Wireless – 0.7%</b>               |              |                      |
| American Tower Corp., REIT, 3%, 6/15/2023                 | \$ 1,065,000 | \$ 1,128,331         |
| American Tower Corp., REIT, 3.6%, 1/15/2028               | 1,291,000    | 1,466,097            |
| American Tower Corp., REIT, 3.1%, 6/15/2050               | 1,779,000    | 1,828,999            |
| American Tower Trust I, REIT, 3.07%, 3/15/2023 (n)        | 3,240,000    | 3,303,592            |
| Crown Castle International Corp., 1.35%, 7/15/2025        | 798,000      | 814,413              |
| Crown Castle International Corp., 3.65%, 9/01/2027        | 2,901,000    | 3,273,929            |
| T-Mobile USA, Inc., 2.05%, 2/15/2028 (n)                  | 1,801,000    | 1,873,328            |
| T-Mobile USA, Inc., 4.5%, 4/15/2050 (n)                   | 2,538,000    | 3,130,331            |
|   |              | <u>\$ 16,819,020</u> |
| <b>Telephone Services – 0.1%</b>                          |              |                      |
| Deutsche Telekom AG, 3.625%, 1/21/2050 (n)                | \$ 1,281,000 | \$ 1,469,738         |
| <b>Transportation - Services – 0.1%</b>                   |              |                      |
| ERAC USA Finance LLC, 7%, 10/15/2037 (n)                  | \$ 2,064,000 | \$ 3,197,625         |

## Portfolio of Investments – continued

| Issuer   | Shares/Par   | Value (\$)            |
|--|--------------|-----------------------|
| <b>BONDS – continued</b>                               |              |                       |
| <b>U.S. Government Agencies and Equivalents – 0.0%</b> |              |                       |
| Small Business Administration, 4.35%, 7/01/2023        | \$ 1,101     | \$ 1,136              |
| Small Business Administration, 4.77%, 4/01/2024        | 71,125       | 74,260                |
| Small Business Administration, 5.18%, 5/01/2024        | 93,654       | 98,799                |
| Small Business Administration, 5.52%, 6/01/2024        | 5,695        | 6,033                 |
| Small Business Administration, 4.99%, 9/01/2024        | 127,346      | 133,361               |
| Small Business Administration, 4.95%, 3/01/2025        | 4,538        | 4,760                 |
| Small Business Administration, 5.11%, 8/01/2025        | 421,636      | 447,316               |
|  |              | <u>\$ 765,665</u>     |
| <b>U.S. Treasury Obligations – 6.3%</b>                |              |                       |
| U.S. Treasury Bonds, 2.875%, 5/15/2043                 | \$ 9,096,000 | \$ 11,479,436         |
| U.S. Treasury Bonds, 2.5%, 2/15/2045                   | 9,797,000    | 11,661,492            |
| U.S. Treasury Bonds, 3%, 11/15/2045                    | 3,638,000    | 4,725,563             |
| U.S. Treasury Bonds, 3%, 2/15/2048                     | 8,760,000    | 11,477,311            |
| U.S. Treasury Bonds, 2.875%, 5/15/2049                 | 900,000      | 1,159,664             |
| U.S. Treasury Bonds, 2.375%, 11/15/2049                | 22,865,000   | 26,804,747            |
| U.S. Treasury Notes, 1.375%, 1/31/2022                 | 41,000,000   | 41,550,937            |
| U.S. Treasury Notes, 1.375%, 1/31/2025                 | 48,500,000   | 50,674,922            |
|  |              | <u>\$ 159,534,072</u> |
| <b>Utilities - Electric Power – 1.2%</b>               |              |                       |
| Berkshire Hathaway Energy Co., 3.75%, 11/15/2023       | \$ 1,930,000 | \$ 2,101,420          |
| Berkshire Hathaway Energy Co., 4.25%, 10/15/2050 (n)   | 296,000      | 382,752               |
| Duke Energy Corp., 2.65%, 9/01/2026                    | 397,000      | 432,465               |
| Enel Finance International N.V., 2.65%, 9/10/2024      | 1,020,000    | 1,086,331             |
| Enel Finance International N.V., 4.875%, 6/14/2029 (n) | 1,916,000    | 2,391,075             |
| Enel Finance International N.V., 4.75%, 5/25/2047 (n)  | 392,000      | 521,127               |
| Evergy, Inc., 2.9%, 9/15/2029                          | 1,863,000    | 2,041,071             |
| Exelon Corp., 4.05%, 4/15/2030                         | 2,165,000    | 2,560,496             |
| FirstEnergy Corp., 3.4%, 3/01/2050                     | 1,229,000    | 1,175,099             |
| Georgia Power Co., 3.7%, 1/30/2050                     | 171,000      | 204,266               |
| Jersey Central Power & Light Co., 4.3%, 1/15/2026 (n)  | 1,511,000    | 1,689,301             |
| Northern States Power Co., 2.6%, 6/01/2051             | 2,166,000    | 2,289,763             |

| Issuer  | Shares/Par   | Value (\$)             |
|---|--------------|------------------------|
| <b>BONDS – continued</b>  |              |                        |
| <b>Utilities - Electric Power – continued</b>                                       |              |                        |
| Oncor Electric Delivery Co. LLC, 5.75%, 3/15/2029                                   | \$ 2,810,000 | \$ 3,703,902           |
| Pacific Gas & Electric Co., 2.1%, 8/01/2027   | 549,000      | 557,098                |
| Pacific Gas & Electric Co., 3.3%, 8/01/2040   | 1,053,000    | 1,048,460              |
| PPL Capital Funding, Inc., 5%, 3/15/2044  | 870,000      | 1,121,578              |
| PPL Corp., 3.4%, 6/01/2023  | 2,940,000    | 3,122,080              |
| Xcel Energy, Inc., 3.4%, 6/01/2030  | 1,099,000    | 1,261,064              |
| Xcel Energy, Inc., 3.5%, 12/01/2049   | 1,310,000    | 1,528,619              |
|   |              | <u>\$ 29,217,967</u>   |
| <b>Utilities - Gas – 0.1%</b>   |              |                        |
| East Ohio Gas Co., 2%, 6/15/2030 (n)  | \$ 1,509,000 | \$ 1,563,025           |
| <b>Total Bonds (Identified Cost, \$914,792,246)</b>                                 |              | <b>\$ 986,227,668</b>  |
| <b>CONVERTIBLE PREFERRED STOCKS – 1.1%</b>  |              |                        |
| <b>Automotive – 0.2%</b>  |              |                        |
| Aptiv PLC, 5.5%   | 39,000       | \$ 6,017,700           |
| <b>Medical Equipment – 0.4%</b>   |              |                        |
| Boston Scientific Corp., 5.5%   | 71,398       | \$ 7,823,079           |
| Danaher Corp., 4.75%  | 1,324        | 2,009,355              |
|   |              | <u>\$ 9,832,434</u>    |
| <b>Telecommunications - Wireless – 0.2%</b>   |              |                        |
| T-Mobile USA, Inc., 5.25%   | 5,432        | \$ 6,524,756           |
| <b>Utilities - Electric Power – 0.3%</b>  |              |                        |
| CenterPoint Energy, Inc., 7%  | 162,120      | \$ 6,614,496           |
| <b>Total Convertible Preferred Stocks (Identified Cost, \$26,155,537)</b>           |              | <b>\$ 28,989,386</b>   |
| <b>PREFERRED STOCKS – 0.3%</b>  |              |                        |
| <b>Computer Software - Systems – 0.3%</b>   |              |                        |
| Samsung Electronics Co. Ltd. (Identified Cost, \$4,609,920)                         | 122,708      | \$ 8,313,826           |
| <b>INVESTMENT COMPANIES (h) – 4.7%</b>  |              |                        |
| <b>Money Market Funds – 4.7%</b>  |              |                        |
| MFS Institutional Money Market Portfolio, 0.1% (v) (Identified Cost, \$118,744,977) | 118,744,977  | \$ 118,744,977         |
| <b>OTHER ASSETS, LESS LIABILITIES – (3.7)%</b>                                      |              | <b>(92,838,089)</b>    |
| <b>NET ASSETS – 100.0%</b>  |              | <b>\$2,538,758,543</b> |

## MFS Total Return Series

### *Portfolio of Investments – continued*

- (a) Non-income producing security.
- (h) An affiliated issuer, which may be considered one in which the fund owns 5% or more of the outstanding voting securities, or a company which is under common control. At period end, the aggregate values of the fund's investments in affiliated issuers and in unaffiliated issuers were \$118,744,977 and \$2,512,851,655, respectively.
- (i) Interest only security for which the fund receives interest on notional principal (Par amount). Par amount shown is the notional principal and does not reflect the cost of the security.
- (n) Securities exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be sold in the ordinary course of business in transactions exempt from registration, normally to qualified institutional buyers. At period end, the aggregate value of these securities was \$141,904,092, representing 5.6% of net assets.
- (v) Affiliated issuer that is available only to investment companies managed by MFS. The rate quoted for the MFS Institutional Money Market Portfolio is the annualized seven-day yield of the fund at period end.

The following abbreviations are used in this report and are defined:

|       |  |
|-------|--|
| ADR   | American Depositary Receipt  |
| CLO   | Collateralized Loan Obligation   |
| FGIC  | Financial Guaranty Insurance Co.   |
| FLR   | Floating Rate. Interest rate resets periodically based on the parenthetically disclosed reference rate plus a spread (if any). The period-end rate reported may not be the current rate. All reference rates are USD unless otherwise noted. |
| LIBOR | London Interbank Offered Rate  |
| NATL  | National Public Finance Guarantee Corp.  |
| REIT  | Real Estate Investment Trust   |
| SOFR  | Secured Overnight Financing Rate   |
| TBA   | To Be Announced  |

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

## FINANCIAL STATEMENTS | STATEMENT OF ASSETS AND LIABILITIES

This statement represents your fund's balance sheet, which details the assets and liabilities comprising the total value of the fund.

**At 12/31/20**

|  |                        |
|--|------------------------|
| <b>Assets</b>  |                        |
| Investments in unaffiliated issuers, at value (identified cost, \$1,827,897,744) | \$2,512,851,655        |
| Investments in affiliated issuers, at value (identified cost, \$118,744,977)     | 118,744,977            |
| Cash   | 33,957                 |
| Receivables for  |                        |
| TBA sale commitments   | 10,858,600             |
| Fund shares sold   | 601,652                |
| Interest and dividends   | 7,811,708              |
| Receivable from investment adviser   | 111,553                |
| Other assets   | 8,773                  |
| <b>Total assets</b>  | <b>\$2,651,022,875</b> |
| <b>Liabilities</b>   |                        |
| Payables for   |                        |
| TBA purchase commitments   | \$110,759,501          |
| Fund shares reacquired   | 1,250,984              |
| Payable to affiliates  |                        |
| Administrative services fee  | 1,652                  |
| Shareholder servicing costs  | 750                    |
| Distribution and/or service fees   | 17,899                 |
| Payable for independent Trustees' compensation                                   | 11                     |
| Accrued expenses and other liabilities   | 233,535                |
| <b>Total liabilities</b>   | <b>\$112,264,332</b>   |
| <b>Net assets</b>  | <b>\$2,538,758,543</b> |
| <b>Net assets consist of</b>   |                        |
| Paid-in capital  | \$1,690,420,032        |
| Total distributable earnings (loss)  | 848,338,511            |
| <b>Net assets</b>  | <b>\$2,538,758,543</b> |
| Shares of beneficial interest outstanding  | 98,604,213             |

|               | <b>Net assets</b> | <b>Shares outstanding</b> | <b>Net asset value per share</b> |
|---------------|-------------------|---------------------------|----------------------------------|
| Initial Class | \$1,219,438,197   | 46,864,180                | \$26.02                          |
| Service Class | 1,319,320,346     | 51,740,033                | 25.50                            |

**See Notes to Financial Statements**

## FINANCIAL STATEMENTS | STATEMENT OF OPERATIONS

This statement describes how much your fund earned in investment income and accrued in expenses. It also describes any gains and/or losses generated by fund operations.

**Year ended 12/31/20**

### Net investment income (loss)

|   |                     |
|---|---------------------|
| Income                                      |                     |
| Dividends                                   | \$35,189,067        |
| Interest                                    | 26,060,626          |
| Dividends from affiliated issuers           | 209,530             |
| Income on securities loaned                 | 108,407             |
| Other                                       | 89,813              |
| Foreign taxes withheld                      | (349,667)           |
| <b>Total investment income</b>              | <b>\$61,307,776</b> |
| Expenses                                    |                     |
| Management fee                              | \$16,017,283        |
| Distribution and/or service fees            | 3,104,309           |
| Shareholder servicing costs                 | 55,986              |
| Administrative services fee                 | 325,669             |
| Independent Trustees' compensation          | 37,229              |
| Custodian fee                               | 128,491             |
| Shareholder communications                  | 187,756             |
| Audit and tax fees                          | 79,510              |
| Legal fees                                  | 17,234              |
| Miscellaneous                               | 77,222              |
| <b>Total expenses</b>                       | <b>\$20,030,689</b> |
| Reduction of expenses by investment adviser | (2,334,685)         |
| <b>Net expenses</b>                         | <b>\$17,696,004</b> |
| <b>Net investment income (loss)</b>         | <b>\$43,611,772</b> |

### Realized and unrealized gain (loss)

|   |                      |
|---|----------------------|
| Realized gain (loss) (identified cost basis)                |                      |
| Unaffiliated issuers  | \$132,759,189        |
| Affiliated issuers  | (3,264)              |
| Foreign currency  | (83,026)             |
| <b>Net realized gain (loss)</b>                             | <b>\$132,672,899</b> |
| Change in unrealized appreciation or depreciation           |                      |
| Unaffiliated issuers  | \$42,942,986         |
| Affiliated issuers  | (837)                |
| Translation of assets and liabilities in foreign currencies | 42,791               |
| <b>Net unrealized gain (loss)</b>                           | <b>\$42,984,940</b>  |
| <b>Net realized and unrealized gain (loss)</b>              | <b>\$175,657,839</b> |
| <b>Change in net assets from operations</b>                 | <b>\$219,269,611</b> |

**See Notes to Financial Statements**

## FINANCIAL STATEMENTS | STATEMENTS OF CHANGES IN NET ASSETS

These statements describe the increases and/or decreases in net assets resulting from operations, any distributions, and any shareholder transactions.

|   | Year ended      |                 |
|---|-----------------|-----------------|
|   | 12/31/20        | 12/31/19        |
| <b>Change in net assets</b>                       |                 |                 |
| <b>From operations</b>                            |                 |                 |
| Net investment income (loss)                      | \$43,611,772    | \$50,698,568    |
| Net realized gain (loss)                          | 132,672,899     | 66,327,737      |
| Net unrealized gain (loss)                        | 42,984,940      | 335,264,447     |
| Change in net assets from operations              | \$219,269,611   | \$452,290,752   |
| Total distributions to shareholders               | \$(115,929,697) | \$(121,022,024) |
| Change in net assets from fund share transactions | \$(111,560,917) | \$(109,812,128) |
| Total change in net assets                        | \$(8,221,003)   | \$221,456,600   |
| <b>Net assets</b>                                 |                 |                 |
| At beginning of period                            | 2,546,979,546   | 2,325,522,946   |
| At end of period                                  | \$2,538,758,543 | \$2,546,979,546 |

**See Notes to Financial Statements**

## FINANCIAL STATEMENTS | FINANCIAL HIGHLIGHTS

The financial highlights table is intended to help you understand the fund's financial performance for the past 5 years. Certain information reflects financial results for a single fund share. The total returns in the table represent the rate that an investor would have earned (or lost) on an investment in the fund share class (assuming reinvestment of all distributions) held for the entire period.

| Initial Class                                      | Year ended |          |          |          |           |
|--|------------|----------|----------|----------|-----------|
|  | 12/31/20   | 12/31/19 | 12/31/18 | 12/31/17 | 12/31/16  |
| Net asset value, beginning of period               | \$24.90    | \$21.78  | \$24.70  | \$23.18  | \$22.60   |
| <b>Income (loss) from investment operations</b>    |            |          |          |          |           |
| Net investment income (loss) (d)                   | \$0.47     | \$0.52   | \$0.53   | \$0.49   | \$0.54(c) |
| Net realized and unrealized gain (loss)            | 1.88       | 3.83     | (1.80)   | 2.29     | 1.51      |
| Total from investment operations                   | \$2.35     | \$4.35   | \$(1.27) | \$2.78   | \$2.05    |
| <b>Less distributions declared to shareholders</b> |            |          |          |          |           |
| From net investment income                         | \$(0.57)   | \$(0.58) | \$(0.54) | \$(0.58) | \$(0.69)  |
| From net realized gain                             | (0.66)     | (0.65)   | (1.11)   | (0.68)   | (0.78)    |
| Total distributions declared to shareholders       | \$(1.23)   | \$(1.23) | \$(1.65) | \$(1.26) | \$(1.47)  |
| Net asset value, end of period (x)                 | \$26.02    | \$24.90  | \$21.78  | \$24.70  | \$23.18   |
| Total return (%) (k)(r)(s)(x)                      | 9.81       | 20.38    | (5.61)   | 12.30    | 9.09(c)   |

### Ratios (%) (to average net assets) and Supplemental data:

|   |             |             |             |             |             |
|---|-------------|-------------|-------------|-------------|-------------|
| Expenses before expense reductions (f)    | 0.71        | 0.70        | 0.70        | 0.71        | 0.71(c)     |
| Expenses after expense reductions (f)     | 0.61        | 0.62        | 0.62        | 0.63        | 0.62(c)     |
| Net investment income (loss)              | 1.95        | 2.18        | 2.20        | 2.04        | 2.33(c)     |
| Portfolio turnover                        | 84          | 42          | 26          | 34          | 35          |
| Net assets at end of period (000 omitted) | \$1,219,438 | \$1,223,166 | \$1,134,301 | \$1,350,737 | \$1,359,943 |

| Service Class                                      | Year ended |          |          |          |           |
|--|------------|----------|----------|----------|-----------|
|  | 12/31/20   | 12/31/19 | 12/31/18 | 12/31/17 | 12/31/16  |
| Net asset value, beginning of period               | \$24.43    | \$21.38  | \$24.28  | \$22.81  | \$22.26   |
| <b>Income (loss) from investment operations</b>    |            |          |          |          |           |
| Net investment income (loss) (d)                   | \$0.40     | \$0.45   | \$0.46   | \$0.43   | \$0.47(c) |
| Net realized and unrealized gain (loss)            | 1.83       | 3.76     | (1.77)   | 2.25     | 1.49      |
| Total from investment operations                   | \$2.23     | \$4.21   | \$(1.31) | \$2.68   | \$1.96    |
| <b>Less distributions declared to shareholders</b> |            |          |          |          |           |
| From net investment income                         | \$(0.50)   | \$(0.51) | \$(0.48) | \$(0.53) | \$(0.63)  |
| From net realized gain                             | (0.66)     | (0.65)   | (1.11)   | (0.68)   | (0.78)    |
| Total distributions declared to shareholders       | \$(1.16)   | \$(1.16) | \$(1.59) | \$(1.21) | \$(1.41)  |
| Net asset value, end of period (x)                 | \$25.50    | \$24.43  | \$21.38  | \$24.28  | \$22.81   |
| Total return (%) (k)(r)(s)(x)                      | 9.52       | 20.12    | (5.87)   | 12.02    | 8.81(c)   |

### Ratios (%) (to average net assets) and Supplemental data:

|   |             |             |             |             |             |
|---|-------------|-------------|-------------|-------------|-------------|
| Expenses before expense reductions (f)    | 0.96        | 0.95        | 0.95        | 0.96        | 0.96(c)     |
| Expenses after expense reductions (f)     | 0.86        | 0.87        | 0.87        | 0.88        | 0.87(c)     |
| Net investment income (loss)              | 1.71        | 1.93        | 1.95        | 1.79        | 2.08(c)     |
| Portfolio turnover                        | 84          | 42          | 26          | 34          | 35          |
| Net assets at end of period (000 omitted) | \$1,319,320 | \$1,323,813 | \$1,191,222 | \$1,427,824 | \$1,276,603 |

See Notes to Financial Statements



*Financial Highlights - continued*

- (c) Amount reflects a one-time reimbursement of expenses by the custodian (or former custodian) without which net investment income and performance would be lower and expenses would be higher.
- (d) Per share data is based on average shares outstanding.
- (f) Ratios do not reflect reductions from fees paid indirectly, if applicable.
- (k) The total return does not reflect expenses that apply to separate accounts. Inclusion of these charges would reduce the total return figures for all periods shown.
- (r) Certain expenses have been reduced without which performance would have been lower.
- (s) From time to time the fund may receive proceeds from litigation settlements, without which performance would be lower.
- (x) The net asset values and total returns have been calculated on net assets which include adjustments made in accordance with U.S. generally accepted accounting principles required at period end for financial reporting purposes.

**See Notes to Financial Statements**

## NOTES TO FINANCIAL STATEMENTS

### (1) Business and Organization

MFS Total Return Series (the fund) is a diversified series of MFS Variable Insurance Trust (the trust). The trust is organized as a Massachusetts business trust and is registered under the Investment Company Act of 1940, as amended, as an open-end management investment company. The shareholders of each series of the trust are separate accounts of insurance companies, which offer variable annuity and/or life insurance products, and qualified retirement and pension plans.

The fund is an investment company and accordingly follows the investment company accounting and reporting guidance of the Financial Accounting Standards Board (FASB) Accounting Standards Codification Topic 946 Financial Services - Investment Companies.

### (2) Significant Accounting Policies

**General** — The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of increases and decreases in net assets from operations during the reporting period. Actual results could differ from those estimates. In the preparation of these financial statements, management has evaluated subsequent events occurring after the date of the fund's Statement of Assets and Liabilities through the date that the financial statements were issued.

In March 2020, the FASB issued Accounting Standards Update 2020-04, Reference Rate Reform (Topic 848) – Facilitation of the Effects of Reference Rate Reform on Financial Reporting ("ASU 2020-04"), which provides optional, temporary relief with respect to the financial reporting of contracts subject to certain types of modifications due to the planned discontinuation of the London Interbank Offered Rate (LIBOR) and other IBOR-based reference rates as of the end of 2021. The temporary relief provided by ASU 2020-04 is effective for certain reference rate-related contract modifications that occur during the period from March 12, 2020 through December 31, 2022. Management is evaluating the impact of ASU 2020-04 on the fund's investments, derivatives, debt and other contracts that will undergo reference rate-related modifications as a result of the reference rate reform.

**Balance Sheet Offsetting** — The fund's accounting policy with respect to balance sheet offsetting is that, absent an event of default by the counterparty or a termination of the agreement, the International Swaps and Derivatives Association (ISDA) Master Agreement, or similar agreement, does not result in an offset of reported amounts of financial assets and financial liabilities in the Statement of Assets and Liabilities across transactions between the fund and the applicable counterparty. The fund's right to setoff may be restricted or prohibited by the bankruptcy or insolvency laws of the particular jurisdiction to which a specific master netting agreement counterparty is subject. Balance sheet offsetting disclosures, to the extent applicable to the fund, have been included in the fund's Significant Accounting Policies note under the captions for each of the fund's in-scope financial instruments and transactions.

**Investment Valuations** — Equity securities, including restricted equity securities, are generally valued at the last sale or official closing price on their primary market or exchange as provided by a third-party pricing service. Equity securities, for which there were no sales reported that day, are generally valued at the last quoted daily bid quotation on their primary market or exchange as provided by a third-party pricing service. Debt instruments and floating rate loans, including restricted debt instruments, are generally valued at an evaluated or composite bid as provided by a third-party pricing service. Debt instruments sold short are generally valued at an evaluated or composite mean as provided by a third-party pricing service. Short-term instruments with a maturity at issuance of 60 days or less may be valued at amortized cost, which approximates market value. Open-end investment companies are generally valued at net asset value per share. Securities and other assets generally valued on the basis of information from a third-party pricing service may also be valued at a broker/dealer bid quotation. In determining values, third-party pricing services can utilize both transaction data and market information such as yield, quality, coupon rate, maturity, type of issue, trading characteristics, and other market data. The values of foreign securities and other assets and liabilities expressed in foreign currencies are converted to U.S. dollars using the mean of bid and asked prices for rates provided by a third-party pricing service.

The Board of Trustees has delegated primary responsibility for determining or causing to be determined the value of the fund's investments (including any fair valuation) to the adviser pursuant to valuation policies and procedures approved by the Board. If the adviser determines that reliable market quotations are not readily available, investments are valued at fair value as determined in good faith by the adviser in accordance with such procedures under the oversight of the Board of Trustees. Under the fund's valuation policies and procedures, market quotations are not considered to be readily available for most types of debt instruments and floating rate loans and many types of derivatives. These investments are generally valued at fair value based on information from third-party pricing services. In addition, investments may be valued at fair value if the adviser determines that an investment's value has been materially affected by events occurring after the close of the exchange or market on which the investment is principally traded (such as foreign exchange or market) and prior to the determination of the fund's net asset value, or after the halt of trading of a specific security where trading does not resume prior to the close of the exchange or market on which the security is principally

## Notes to Financial Statements - continued

traded. Events that occur after foreign markets close (such as developments in foreign markets and significant movements in the U.S. markets) and prior to the determination of the fund's net asset value may be deemed to have a material effect on the value of securities traded in foreign markets. Accordingly, the fund's foreign equity securities may often be valued at fair value. The adviser generally relies on third-party pricing services or other information (such as the correlation with price movements of similar securities in the same or other markets; the type, cost and investment characteristics of the security; the business and financial condition of the issuer; and trading and other market data) to assist in determining whether to fair value and at what value to fair value an investment. The value of an investment for purposes of calculating the fund's net asset value can differ depending on the source and method used to determine value. When fair valuation is used, the value of an investment used to determine the fund's net asset value may differ from quoted or published prices for the same investment. There can be no assurance that the fund could obtain the fair value assigned to an investment if it were to sell the investment at the same time at which the fund determines its net asset value per share.

Various inputs are used in determining the value of the fund's assets or liabilities. These inputs are categorized into three broad levels. In certain cases, the inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, an investment's level within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement. The fund's assessment of the significance of a particular input to the fair value measurement in its entirety requires judgment, and considers factors specific to the investment. Level 1 includes unadjusted quoted prices in active markets for identical assets or liabilities. Level 2 includes other significant observable market-based inputs (including quoted prices for similar securities, interest rates, prepayment speed, and credit risk). Level 3 includes unobservable inputs, which may include the adviser's own assumptions in determining the fair value of investments. The following is a summary of the levels used as of December 31, 2020 in valuing the fund's assets or liabilities:

| Financial Instruments  | Level 1         | Level 2         | Level 3 | Total           |
|--|-----------------|-----------------|---------|-----------------|
| Equity Securities:   |                 |                 |         |                 |
| United States  | \$1,427,113,088 | \$6,524,756     | \$—     | \$1,433,637,844 |
| Switzerland  | 27,489,506      | —               | —       | 27,489,506      |
| Taiwan   | 16,893,022      | —               | —       | 16,893,022      |
| United Kingdom   | 5,714,521       | 10,305,405      | —       | 16,019,926      |
| Netherlands  | 10,977,255      | —               | —       | 10,977,255      |
| France   | 8,715,981       | —               | —       | 8,715,981       |
| South Korea  | 8,313,826       | —               | —       | 8,313,826       |
| Germany  | 4,576,627       | —               | —       | 4,576,627       |
| U.S. Treasury Bonds & U.S. Government Agencies & Equivalents | —               | 160,299,737     | —       | 160,299,737     |
| Non - U.S. Sovereign Debt                                    | —               | 6,660,151       | —       | 6,660,151       |
| Municipal Bonds  | —               | 11,236,288      | —       | 11,236,288      |
| U.S. Corporate Bonds   | —               | 320,726,889     | —       | 320,726,889     |
| Residential Mortgage-Backed Securities                       | —               | 310,961,672     | —       | 310,961,672     |
| Commercial Mortgage-Backed Securities                        | —               | 59,852,972      | —       | 59,852,972      |
| Asset-Backed Securities (including CDOs)                     | —               | 49,910,424      | —       | 49,910,424      |
| Foreign Bonds  | —               | 66,579,535      | —       | 66,579,535      |
| Mutual Funds   | 118,744,977     | —               | —       | 118,744,977     |
| Total  | \$1,628,538,803 | \$1,003,057,829 | \$—     | \$2,631,596,632 |

For further information regarding security characteristics, see the Portfolio of Investments.

**Foreign Currency Translation** — Purchases and sales of foreign investments, income, and expenses are converted into U.S. dollars based upon currency exchange rates prevailing on the respective dates of such transactions or on the reporting date for foreign denominated receivables and payables. Gains and losses attributable to foreign currency exchange rates on sales of securities are recorded for financial statement purposes as net realized gains and losses on investments. Gains and losses attributable to foreign exchange rate movements on receivables, payables, income and expenses are recorded for financial statement purposes as foreign currency transaction gains and losses. That portion of both realized and unrealized gains and losses on investments that results from fluctuations in foreign currency exchange rates is not separately disclosed.

**Security Loans** — Under its Securities Lending Agency Agreement with the fund, State Street Bank and Trust Company, as lending agent, loans the securities of the fund to certain qualified institutions (the "Borrowers") approved by the fund. Security loans can be terminated at the discretion of either the lending agent or the fund and the related securities must be returned within the earlier of the standard trade settlement period for such securities or within three business days. The loans are collateralized by cash and/or U.S. Treasury and federal agency obligations in an amount typically at least equal to the market value of the securities loaned. On loans collateralized by cash, the cash collateral is invested in a money market fund. The market value of the loaned securities is determined at the close of business of the fund and any additional required collateral is delivered to the fund on the next business

day. The lending agent provides the fund with indemnification against Borrower default. In the event of Borrower default, the lending agent will, for the benefit of the fund, either purchase securities identical to those loaned or, when such purchase is commercially impracticable, pay the fund the market value of the loaned securities. In return, the lending agent assumes the fund's rights to the related collateral. If the collateral value is less than the cost to purchase identical securities, the lending agent is responsible for the shortfall, but only to the extent that such shortfall is not due to a decline in collateral value resulting from collateral reinvestment for which the fund bears the risk of loss. A portion of the income generated upon investment of the collateral is remitted to the Borrowers, and the remainder is allocated between the fund and the lending agent. On loans collateralized by U.S. Treasury and/or federal agency obligations, a fee is received from the Borrower, and is allocated between the fund and the lending agent. Income from securities lending is separately reported in the Statement of Operations. The dividend and interest income earned on the securities loaned is accounted for in the same manner as other dividend and interest income. At December 31, 2020, there were no securities on loan or collateral outstanding.

**Indemnifications** — Under the fund's organizational documents, its officers and Trustees may be indemnified against certain liabilities and expenses arising out of the performance of their duties to the fund. Additionally, in the normal course of business, the fund enters into agreements with service providers that may contain indemnification clauses. The fund's maximum exposure under these agreements is unknown as this would involve future claims that may be made against the fund that have not yet occurred.

**Investment Transactions and Income** — Investment transactions are recorded on the trade date. Some securities may be purchased or sold on an extended settlement basis, which means that the receipt or delivery of the securities by the fund and related payments occur at a future date, usually beyond the customary settlement period. Interest income is recorded on the accrual basis. All premium and discount is amortized or accreted for financial statement purposes in accordance with U.S. generally accepted accounting principles. Dividends received in cash are recorded on the ex-dividend date. Certain dividends from foreign securities will be recorded when the fund is informed of the dividend if such information is obtained subsequent to the ex-dividend date. Dividend and interest payments received in additional securities are recorded on the ex-dividend or ex-interest date in an amount equal to the value of the security on such date.

The fund may receive proceeds from litigation settlements. Any proceeds received from litigation involving portfolio holdings are reflected in the Statement of Operations in realized gain/loss if the security has been disposed of by the fund or in unrealized gain/loss if the security is still held by the fund. Any other proceeds from litigation not related to portfolio holdings are reflected as other income in the Statement of Operations.

The fund invests a significant portion of its assets in asset-backed and/or mortgage-backed securities. For these securities, the value of the debt instrument also depends on the credit quality and adequacy of the underlying assets or collateral as well as whether there is a security interest in the underlying assets or collateral. Enforcing rights, if any, against the underlying assets or collateral may be difficult. U.S. Government securities not supported as to the payment of principal or interest by the U.S. Treasury, such as those issued by Fannie Mae, Freddie Mac, and the Federal Home Loan Banks, are subject to greater credit risk than are U.S. Government securities supported by the U.S. Treasury, such as those issued by Ginnie Mae.

The fund may purchase or sell mortgage-backed securities on a "To Be Announced" (TBA) basis. A TBA transaction is subject to extended settlement and typically does not designate the actual security to be delivered, but instead includes an approximate principal amount. The price of the TBA security and the date that it will be settled are fixed at the time the transaction is negotiated. The value of the security varies with market fluctuations and no interest accrues to the fund until settlement takes place. TBA purchase and sale commitments are held at carrying amount, which approximates fair value and are categorized as level 2 within the fair value hierarchy and included in TBA purchase and TBA sale commitments in the Statement of Assets and Liabilities. Losses may arise as a result of changes in the value of the TBA investment prior to settlement date or due to counterparty non-performance. At the time that it enters into a TBA transaction, the fund is required to have sufficient cash and/or liquid securities to cover its commitments.

The fund may also enter into mortgage dollar rolls, typically TBA dollar rolls, in which the fund sells TBA mortgage-backed securities to financial institutions and simultaneously agrees to repurchase similar (same issuer, type and coupon) securities at a later date at an agreed-upon price. During the period between the sale and repurchase, the fund will not be entitled to receive interest and principal payments on the securities sold. The fund accounts for dollar roll transactions as purchases and sales and realizes gains and losses on these transactions. Dollar roll transactions involve the risk that the market value of the securities that the fund is required to purchase may decline below the agreed upon repurchase price of those securities.

To mitigate the counterparty credit risk on TBA transactions, mortgage dollar rolls, and other types of forward settling mortgage-backed and asset-backed security transactions, the fund whenever possible enters into a Master Securities Forward Transaction Agreement ("MSFTA") on a bilateral basis with each of the counterparties with whom it undertakes a significant volume of transactions. The MSFTA gives each party to the agreement the right to terminate all transactions traded under such agreement if there is a specified deterioration in the credit quality of the other party. Upon an event of default or a termination of the MSFTA, the

*Notes to Financial Statements - continued*

non-defaulting party has the right to close out all transactions traded under such agreement and to net amounts owed under each transaction to one net amount payable by one party to the other. This right to close out and net payments across all transactions traded under the MSFTA could result in a reduction of the fund's credit risk to such counterparty equal to any amounts payable by the fund under the applicable transactions, if any.

For mortgage-backed and asset-backed securities traded under a MSFTA, the collateral and margining requirements are contract specific. Collateral amounts across all transactions traded under such agreement are netted and an amount is posted from one party to the other to collateralize such obligations. Cash that has been pledged to cover the fund's collateral or margin obligations under a MSFTA, if any, will be reported separately on the Statement of Assets and Liabilities as restricted cash. Securities pledged as collateral or margin for the same purpose, if any, are noted in the Portfolio of Investments.

**Tax Matters and Distributions** — The fund intends to qualify as a regulated investment company, as defined under Subchapter M of the Internal Revenue Code, and to distribute all of its taxable income, including realized capital gains. As a result, no provision for federal income tax is required. The fund's federal tax returns, when filed, will remain subject to examination by the Internal Revenue Service for a three year period. Management has analyzed the fund's tax positions taken on federal and state tax returns for all open tax years and does not believe that there are any uncertain tax positions that require recognition of a tax liability. Foreign taxes, if any, have been accrued by the fund in the accompanying financial statements in accordance with the applicable foreign tax law. Foreign income taxes may be withheld by certain countries in which the fund invests. Additionally, capital gains realized by the fund on securities issued in or by certain foreign countries may be subject to capital gains tax imposed by those countries.

Distributions to shareholders are recorded on the ex-dividend date. Income and capital gain distributions are determined in accordance with income tax regulations, which may differ from U.S. generally accepted accounting principles. Certain capital accounts in the financial statements are periodically adjusted for permanent differences in order to reflect their tax character. These adjustments have no impact on net assets or net asset value per share. Temporary differences which arise from recognizing certain items of income, expense, gain or loss in different periods for financial statement and tax purposes will reverse at some time in the future.

Book/tax differences primarily relate to amortization and accretion of debt securities, wash sale loss deferrals and partnership adjustments.

The tax character of distributions declared to shareholders for the last two fiscal years is as follows:

|  | Year ended<br>12/31/20 | Year ended<br>12/31/19 |
|--|------------------------|------------------------|
| Ordinary income (including any short-term capital gains) | \$52,307,667           | \$54,824,164           |
| Long-term capital gains                                  | 63,622,030             | 66,197,860             |
| Total distributions                                      | \$115,929,697          | \$121,022,024          |

The federal tax cost and the tax basis components of distributable earnings were as follows:

|  |                 |
|--|-----------------|
| <b>As of 12/31/20</b>                      |                 |
| Cost of investments                        | \$1,960,308,758 |
| Gross appreciation                         | 684,344,992     |
| Gross depreciation                         | (13,057,118)    |
| Net unrealized appreciation (depreciation) | \$671,287,874   |
| Undistributed ordinary income              | 54,306,299      |
| Undistributed long-term capital gain       | 118,976,833     |
| Other temporary differences                | 3,767,505       |

**Multiple Classes of Shares of Beneficial Interest** — The fund offers multiple classes of shares, which differ in their respective distribution and/or service fees. The fund's income, realized and unrealized gain (loss), and common expenses are allocated to shareholders based on the daily net assets of each class. Dividends are declared separately for each class. Differences in per share dividend rates are generally due to differences in separate class expenses. The fund's distributions declared to shareholders as reported in the Statements of Changes in Net Assets are presented by class as follows:

## MFS Total Return Series

Notes to Financial Statements - continued

|               | Year<br>ended<br>12/31/20 | Year<br>ended<br>12/31/19 |
|---------------|---------------------------|---------------------------|
| Initial Class | \$56,532,062              | \$59,383,887              |
| Service Class | 59,397,635                | 61,638,137                |
| Total         | \$115,929,697             | \$121,022,024             |

### (3) Transactions with Affiliates

**Investment Adviser** — The fund has an investment advisory agreement with MFS to provide overall investment management and related administrative services and facilities to the fund. The management fee is computed daily and paid monthly at the following annual rates based on the fund's average daily net assets:

|  |       |
|--|-------|
| Up to \$1 billion                                | 0.70% |
| In excess of \$1 billion and up to \$2.5 billion | 0.65% |
| In excess of \$2.5 billion and up to \$5 billion | 0.55% |
| In excess of \$5 billion                         | 0.50% |

MFS has agreed in writing to reduce its management fee by a specified amount if certain MFS mutual fund assets exceed thresholds agreed to by MFS and the fund's Board of Trustees. For the year ended December 31, 2020, this management fee reduction amounted to \$262,449, which is included in the reduction of total expenses in the Statement of Operations. The management fee incurred for the year ended December 31, 2020 was equivalent to an annual effective rate of 0.66% of the fund's average daily net assets.

The investment adviser has agreed in writing to pay a portion of the fund's total annual operating expenses, excluding interest, taxes, extraordinary expenses, brokerage and transaction costs, and investment-related expenses, such that total annual operating expenses do not exceed 0.61% of average daily net assets for the Initial Class shares and 0.86% of average daily net assets for the Service Class shares. This written agreement will continue until modified by the fund's Board of Trustees, but such agreement will continue at least until April 30, 2022. For the year ended December 31, 2020, this reduction amounted to \$2,072,236, which is included in the reduction of total expenses in the Statement of Operations.

**Distributor** — MFS Fund Distributors, Inc. (MFD), a wholly-owned subsidiary of MFS, is the distributor of shares of the fund. The Trustees have adopted a distribution plan for the Service Class shares pursuant to Rule 12b-1 under the Investment Company Act of 1940.

The fund's distribution plan provides that the fund will pay MFD distribution and/or service fees equal to 0.25% per annum of its average daily net assets attributable to Service Class shares as partial consideration for services performed and expenses incurred by MFD and financial intermediaries (including participating insurance companies that invest in the fund to fund variable annuity and variable life insurance contracts, sponsors of qualified retirement and pension plans that invest in the fund, and affiliates of these participating insurance companies and plan sponsors) in connection with the sale and distribution of the Service Class shares. MFD may subsequently pay all, or a portion, of the distribution and/or service fees to financial intermediaries.

**Shareholder Servicing Agent** — MFS Service Center, Inc. (MFSC), a wholly-owned subsidiary of MFS, receives a fee from the fund for its services as shareholder servicing agent. For the year ended December 31, 2020, the fee was \$53,549, which equated to 0.0022% annually of the fund's average daily net assets. MFSC also receives reimbursement from the fund for out-of-pocket expenses paid by MFSC on behalf of the fund. For the year ended December 31, 2020, these costs amounted to \$2,437.

**Administrator** — MFS provides certain financial, legal, shareholder communications, compliance, and other administrative services to the fund. Under an administrative services agreement, the fund reimburses MFS the costs incurred to provide these services. The fund is charged an annual fixed amount of \$17,500 plus a fee based on average daily net assets. The administrative services fee incurred for the year ended December 31, 2020 was equivalent to an annual effective rate of 0.0136% of the fund's average daily net assets.

**Trustees' and Officers' Compensation** — The fund pays compensation to independent Trustees in the form of a retainer, attendance fees, and additional compensation to Board and Committee chairpersons. The fund does not pay compensation directly to Trustees or officers of the fund who are also officers of the investment adviser, all of whom receive remuneration from MFS for their services to the fund. Certain officers and Trustees of the fund are officers or directors of MFS, MFD, and MFSC.



## Notes to Financial Statements - continued

**Other** — The fund invests in the MFS Institutional Money Market Portfolio which is managed by MFS and seeks current income consistent with preservation of capital and liquidity. This money market fund does not pay a management fee to MFS but does incur investment and operating costs.

The fund is permitted to engage in purchase and sale transactions with funds and accounts for which MFS serves as investment adviser or sub-adviser (“cross-trades”) pursuant to a policy adopted by the Board of Trustees. This policy has been designed to ensure that cross-trades conducted by the fund comply with Rule 17a-7 under the Investment Company Act of 1940. During the year ended December 31, 2020, the fund engaged in purchase and sale transactions pursuant to this policy, which amounted to \$3,876,362 and \$701,009, respectively. The sales transactions resulted in net realized gains (losses) of \$(146,767).

The adviser has voluntarily undertaken to reimburse the fund from its own resources on a quarterly basis for the cost of investment research embedded in the cost of the fund’s securities trades. This agreement may be rescinded at any time. For the year ended December 31, 2020, this reimbursement amounted to \$85,794, which is included in “Other” income in the Statement of Operations.

#### (4) Portfolio Securities

For the year ended December 31, 2020, purchases and sales of investments, other than short-term obligations, were as follows:

|                                | Purchases       | Sales           |
|--------------------------------|-----------------|-----------------|
| U.S. Government securities     | \$1,274,953,521 | \$1,464,785,871 |
| Non-U.S. Government securities | 732,394,732     | 786,781,950     |

#### (5) Shares of Beneficial Interest

The fund’s Declaration of Trust permits the Trustees to issue an unlimited number of full and fractional shares of beneficial interest. Transactions in fund shares were as follows:

|   | Year ended<br>12/31/20 |                 | Year ended<br>12/31/19 |                 |
|---|------------------------|-----------------|------------------------|-----------------|
|   | Shares                 | Amount          | Shares                 | Amount          |
| Shares sold   |                        |                 |                        |                 |
| Initial Class   | 1,626,873              | \$38,823,750    | 1,735,912              | \$41,322,525    |
| Service Class   | 2,911,465              | 68,599,977      | 3,594,794              | 83,324,924      |
|   | 4,538,338              | \$107,423,727   | 5,330,706              | \$124,647,449   |
| Shares issued to shareholders<br>in reinvestment of distributions |                        |                 |                        |                 |
| Initial Class   | 2,349,629              | \$56,532,062    | 2,558,547              | \$59,383,887    |
| Service Class   | 2,516,849              | 59,397,635      | 2,704,613              | 61,638,137      |
|   | 4,866,478              | \$115,929,697   | 5,263,160              | \$121,022,024   |
| Shares reacquired   |                        |                 |                        |                 |
| Initial Class   | (6,227,705)            | \$(149,473,288) | (7,253,162)            | \$(172,852,561) |
| Service Class   | (7,882,515)            | (185,441,053)   | (7,815,403)            | (182,629,040)   |
|   | (14,110,220)           | \$(334,914,341) | (15,068,565)           | \$(355,481,601) |
| Net change  |                        |                 |                        |                 |
| Initial Class   | (2,251,203)            | \$(54,117,476)  | (2,958,703)            | \$(72,146,149)  |
| Service Class   | (2,454,201)            | (57,443,441)    | (1,515,996)            | (37,665,979)    |
|   | (4,705,404)            | \$(111,560,917) | (4,474,699)            | \$(109,812,128) |

#### (6) Line of Credit

The fund and certain other funds managed by MFS participate in a \$1.25 billion unsecured committed line of credit of which \$1 billion is reserved for use by the fund and certain other U.S. funds. The line of credit is provided by a syndicate of banks under a credit agreement. Borrowings may be made for temporary financing needs. Interest is charged to each fund, based on its borrowings, generally at a rate equal to the highest of one month LIBOR, the Federal Funds Effective Rate and the Overnight Bank Funding Rate, plus an agreed upon spread. A commitment fee, based on the average daily, unused portion of the committed line of credit, is allocated among the participating funds. In addition, the fund and other funds managed by MFS have established

## MFS Total Return Series

### Notes to Financial Statements - continued

unsecured uncommitted borrowing arrangements with certain banks for temporary financing needs. Interest is charged to each fund, based on its borrowings, at rates equal to customary reference rates plus an agreed upon spread. For the year ended December 31, 2020, the fund's commitment fee and interest expense were \$11,494 and \$0, respectively, and are included in "Miscellaneous" expense in the Statement of Operations.

### (7) Investments in Affiliated Issuers

An affiliated issuer may be considered one in which the fund owns 5% or more of the outstanding voting securities, or a company which is under common control. For the purposes of this report, the following were affiliated issuers:

| Affiliated Issuers                       | Beginning Value | Purchases     | Sales Proceeds | Realized Gain (Loss) | Change in Unrealized Appreciation or Depreciation | Ending Value  |
|--|-----------------|---------------|----------------|----------------------|---|---------------|
| MFS Institutional Money Market Portfolio | \$40,930,012    | \$507,317,766 | \$429,498,700  | \$(3,264)            | \$(837)   | \$118,744,977 |

| Affiliated Issuers                       | Dividend Income | Capital Gain Distributions |
|--|-----------------|----------------------------|
| MFS Institutional Money Market Portfolio | \$209,530       | \$—                        |

### (8) Impacts of COVID-19

The pandemic related to the global spread of novel coronavirus disease (COVID-19), which was first detected in December 2019, has resulted in significant disruptions to global business activity and the global economy, as well as the economies of individual countries, the financial performance of individual companies and sectors, and the securities and commodities markets in general. This pandemic, the full effects of which are still unknown, has resulted in substantial market volatility and may have adversely impacted the prices and liquidity of the fund's investments and the fund's performance.



## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Trustees of MFS Variable Insurance Trust and the Shareholders of MFS Total Return Series:

### Opinion on the Financial Statements and Financial Highlights

We have audited the accompanying statement of assets and liabilities of MFS Total Return Series (the “Fund”), including the portfolio of investments, as of December 31, 2020, the related statement of operations for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, the financial highlights for each of the five years in the period then ended, and the related notes. In our opinion, the financial statements and financial highlights present fairly, in all material respects, the financial position of the Fund as of December 31, 2020, and the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended, in conformity with accounting principles generally accepted in the United States of America.

### Basis for Opinion

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

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement, whether due to error or fraud. The Fund is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits, we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Fund’s internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements and financial highlights, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements and financial highlights. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements and financial highlights. Our procedures included confirmation of securities owned as of December 31, 2020, by correspondence with the custodian and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

DELOITTE & TOUCHE LLP

Boston, Massachusetts  
February 16, 2021

We have served as the auditor of one or more of the MFS investment companies since 1924.

## TRUSTEES AND OFFICERS — IDENTIFICATION AND BACKGROUND

The Trustees and Officers of the Trust, as of February 1, 2021, are listed below, together with their principal occupations during the past five years. (Their titles may have varied during that period.) The address of each Trustee and Officer is 111 Huntington Avenue, Boston, Massachusetts 02199-7618.

| <b>Name, Age</b>                              | <b>Position(s)<br/>Held with Fund</b> | <b>Trustee/Officer<br/>Since <sup>(h)</sup></b> | <b>Number of MFS Funds<br/>overseen by the Trustee</b> | <b>Principal Occupations<br/>During<br/>the Past Five Years</b>  | <b>Other Directorships<br/>During<br/>the Past Five Years <sup>(i)</sup></b>                        |
|---|---------------------------------------|---|--|--|---|
| <b>INTERESTED TRUSTEES</b>                    |                                       |   |  |  |   |
| Robert J. Manning <sup>(k)</sup><br>(age 57)  | Trustee                               | February 2004                                   | 134  | Massachusetts Financial Services Company, Non-Executive Chairman (since January 2021); Director; Chairman of the Board; Executive Chairman (January 2017-2020); Co-Chief Executive Officer (2015-2016)   | N/A   |
| Michael W. Roberge <sup>(k)</sup><br>(age 54) | Trustee                               | January 2021                                    | 134  | Massachusetts Financial Services Company, Chairman (since January 2021); Chief Executive Officer (since January 2017); Director; President (until December 2018); Chief Investment Officer (until December 2018); Co-Chief Executive Officer (until December 2016)   | N/A   |
| <b>INDEPENDENT TRUSTEES</b>                   |                                       |   |  |  |   |
| John P. Kavanaugh<br>(age 66)                 | Trustee and Chair of Trustees         | January 2009                                    | 134  | Private investor   | N/A   |
| Steven E. Buller<br>(age 69)                  | Trustee                               | February 2014                                   | 134  | Private investor   | N/A   |
| John A. Caroselli<br>(age 66)                 | Trustee                               | March 2017                                      | 134  | Private investor; JC Global Advisors, LLC (management consulting), President (since 2015)  | N/A   |
| Maureen R. Goldfarb<br>(age 65)               | Trustee                               | January 2009                                    | 134  | Private investor   | N/A   |
| Peter D. Jones<br>(age 65)                    | Trustee                               | January 2019                                    | 134  | Private investor   | N/A   |
| James W. Kilman, Jr.<br>(age 59)              | Trustee                               | January 2019                                    | 134  | Burford Capital Limited (finance and investment management), Chief Financial Officer (since 2019); KielStrand Capital LLC (family office), Chief Executive Officer (since 2016); Morgan Stanley & Co. (financial services), Vice Chairman of Investment Banking, Co-Head of Diversified Financials Coverage – Financial Institutions Investment Banking Group (until 2016) | Alpha-En Corporation, Director (2016-2019)  |
| Clarence Otis, Jr.<br>(age 64)                | Trustee                               | March 2017                                      | 134  | Private investor   | VF Corporation, Director; Verizon Communications, Inc., Director; The Travelers Companies, Director |

*Trustees and Officers - continued*

| <b>Name, Age</b>               | <b>Position(s)<br/>Held with Fund</b> | <b>Trustee/Officer<br/>Since <sup>(h)</sup></b> | <b>Number of MFS Funds<br/>overseen by the Trustee</b> | <b>Principal Occupations<br/>During<br/>the Past Five Years</b> | <b>Other Directorships<br/>During<br/>the Past Five Years <sup>(i)</sup></b> |
|--------------------------------|---------------------------------------|---|--|---|--|
| Maryanne L. Roepke<br>(age 64) | Trustee                               | May 2014  | 134  | Private investor  | N/A  |
| Laurie J. Thomsen<br>(age 63)  | Trustee                               | March 2005                                      | 134  | Private investor  | The Travelers Companies,<br>Director; Dycom Industries,<br>Inc., Director    |

| <b>Name, Age</b>                                 | <b>Position(s)<br/>Held with Fund</b>         | <b>Trustee/Officer<br/>Since <sup>(h)</sup></b> | <b>Number of MFS Funds for<br/>which the Person is an<br/>Officer</b> | <b>Principal Occupations During<br/>the Past Five Years</b>   |
|--|---|---|---|---|
| <b>OFFICERS</b>                                  |   |   |   |   |
| Christopher R. Bohane <sup>(k)</sup><br>(age 47) | Assistant<br>Secretary and<br>Assistant Clerk | July 2005                                       | 134   | Massachusetts Financial Services Company, Senior Vice<br>President and Associate General Counsel  |
| Kino Clark <sup>(k)</sup><br>(age 52)            | Assistant<br>Treasurer                        | January 2012                                    | 134   | Massachusetts Financial Services Company, Vice President  |
| John W. Clark, Jr. <sup>(k)</sup><br>(age 53)    | Assistant<br>Treasurer                        | April 2017                                      | 134   | Massachusetts Financial Services Company, Vice President<br>(since March 2017); Deutsche Bank (financial services),<br>Department Head - Treasurer's Office (until February 2017)                   |
| Thomas H. Connors <sup>(k)</sup><br>(age 61)     | Assistant<br>Secretary and<br>Assistant Clerk | September 2012                                  | 134   | Massachusetts Financial Services Company, Vice President<br>and Senior Counsel  |
| David L. DiLorenzo <sup>(k)</sup><br>(age 52)    | President                                     | July 2005                                       | 134   | Massachusetts Financial Services Company, Senior Vice<br>President  |
| Heidi W. Hardin <sup>(k)</sup><br>(age 53)       | Secretary and<br>Clerk                        | April 2017                                      | 134   | Massachusetts Financial Services Company, Executive Vice<br>President and General Counsel (since March 2017); Harris<br>Associates (investment management), General Counsel<br>(until January 2017) |
| Brian E. Langenfeld <sup>(k)</sup><br>(age 47)   | Assistant<br>Secretary and<br>Assistant Clerk | June 2006                                       | 134   | Massachusetts Financial Services Company, Vice President<br>and Senior Counsel  |
| Amanda S. Mooradian <sup>(k)</sup><br>(age 41)   | Assistant<br>Secretary and<br>Assistant Clerk | September 2018                                  | 134   | Massachusetts Financial Services Company, Assistant Vice<br>President and Senior Counsel  |
| Susan A. Pereira <sup>(k)</sup><br>(age 50)      | Assistant<br>Secretary and<br>Assistant Clerk | July 2005                                       | 134   | Massachusetts Financial Services Company, Vice President<br>and Assistant General Counsel   |
| Kasey L. Phillips <sup>(k)</sup><br>(age 50)     | Assistant<br>Treasurer                        | September 2012                                  | 134   | Massachusetts Financial Services Company, Vice President  |
| Matthew A. Stowe <sup>(k)</sup><br>(age 46)      | Assistant<br>Secretary and<br>Assistant Clerk | October 2014                                    | 134   | Massachusetts Financial Services Company, Vice President<br>and Assistant General Counsel   |
| Martin J. Wolin <sup>(k)</sup><br>(age 53)       | Chief Compliance<br>Officer                   | July 2015                                       | 134   | Massachusetts Financial Services Company, Senior Vice<br>President and Chief Compliance Officer   |

## MFS Total Return Series

### Trustees and Officers - continued

| Name, Age                                | Position(s)<br>Held with<br>Fund | Trustee/Officer<br>Since <sup>(h)</sup> | Number of MFS Funds for<br>which the Person is an<br>Officer | Principal Occupations During<br>the Past Five Years             |
|--|----------------------------------|---|--|---|
| James O. Yost <sup>(k)</sup><br>(age 60) | Treasurer                        | September 1990                          | 134  | Massachusetts Financial Services Company, Senior Vice President |

(h) Date first appointed to serve as Trustee/officer of an MFS Fund. Each Trustee has served continuously since appointment unless indicated otherwise. For the period from December 15, 2004 until February 22, 2005, Mr. Manning served as Advisory Trustee. From January 2012 through December 2016, Messrs. DiLorenzo and Yost served as Treasurer and Deputy Treasurer of the Funds, respectively.

(j) Directorships or trusteeships of companies required to report to the Securities and Exchange Commission (i.e., "public companies").

(k) "Interested person" of the Trust within the meaning of the Investment Company Act of 1940 (referred to as the 1940 Act), which is the principal federal law governing investment companies like the fund, as a result of a position with MFS. The address of MFS is 111 Huntington Avenue, Boston, Massachusetts 02199-7618.

Each Trustee (other than Messrs. Jones, Kilman and Roberge) has been elected by shareholders and each Trustee and Officer holds office until his or her successor is chosen and qualified or until his or her earlier death, resignation, retirement or removal. Mr. Roberge became a Trustee of the Funds on January 1, 2021 and Messrs. Jones and Kilman became Trustees of the Funds on January 1, 2019. The Trust does not hold annual meetings for the purpose of electing Trustees, and Trustees are not elected for fixed terms. Under the terms of the Board's retirement policy, an Independent Trustee shall retire at the end of the calendar year in which he or she reaches the earlier of 75 years of age or 15 years of service on the Board (or, in the case of any Independent Trustee who joined the Board prior to 2015, 20 years of service on the Board).

Messrs. Buller, Kilman and Otis and Ms. Roepke are members of the Trust's Audit Committee.

Each of the Interested Trustees and certain Officers hold comparable officer positions with certain affiliates of MFS.

The Statement of Additional Information for a Fund includes further information about the Trustees and is available without charge upon request by calling 1-800-225-2606.

#### Investment Adviser

Massachusetts Financial Services Company  
111 Huntington Avenue  
Boston, MA 02199-7618

#### Distributor

MFS Fund Distributors, Inc.  
111 Huntington Avenue  
Boston, MA 02199-7618

#### Portfolio Manager(s)

Steven Gorham  
Alexander Mackey  
Joshua Marston  
Johnathan Munko  
Henry Peabody  
Robert Persons

#### Custodian

State Street Bank and Trust Company  
1 Lincoln Street  
Boston, MA 02111-2900

#### Independent Registered Public Accounting Firm

Deloitte & Touche LLP  
200 Berkeley Street  
Boston, MA 02116

## BOARD REVIEW OF INVESTMENT ADVISORY AGREEMENT

### MFS Total Return Series

The Investment Company Act of 1940 requires that both the full Board of Trustees and a majority of the non-interested (“independent”) Trustees, voting separately, annually approve the continuation of the Fund’s investment advisory agreement with MFS. The Trustees consider matters bearing on the Fund and its advisory arrangements at their meetings throughout the year, including a review of performance data at each regular meeting. In addition, the independent Trustees met several times by videoconference (in accordance with Securities and Exchange Commission relief) over the course of three months beginning in May and ending in July, 2020 (“contract review meetings”) for the specific purpose of considering whether to approve the continuation of the investment advisory agreement for the Fund and the other investment companies that the Board oversees (the “MFS Funds”). The independent Trustees were assisted in their evaluation of the Fund’s investment advisory agreement by independent legal counsel, from whom they received separate legal advice and with whom they met separately from MFS during various contract review meetings. The independent Trustees were also assisted in this process by an independent consultant who was retained by and reported to the independent Trustees.

In connection with their deliberations regarding the continuation of the investment advisory agreement, the Trustees, including the independent Trustees, considered such information and factors as they believed, in light of the legal advice furnished to them and their own business judgment, to be relevant. The investment advisory agreement for the Fund was considered separately, although the Trustees also took into account the common interests of all MFS Funds in their review. As described below, the Trustees considered the nature, quality, and extent of the various investment advisory, administrative, and shareholder services performed by MFS under the existing investment advisory agreement and other arrangements with the Fund.

In connection with their contract review meetings, the Trustees received and relied upon materials that included, among other items: (i) information provided by Broadridge Financial Solutions, Inc. (“Broadridge”), an independent third party, on the investment performance of the Fund for various time periods ended December 31, 2019 and the investment performance of a group of funds with substantially similar investment classifications/objectives (the “Broadridge performance universe”), (ii) information provided by Broadridge on the Fund’s advisory fees and other expenses and the advisory fees and other expenses of comparable funds identified by Broadridge as well as all other funds in the same investment classification/category (the “Broadridge expense group and universe”), (iii) information provided by MFS on the advisory fees of portfolios of other clients of MFS, including institutional separate accounts and other clients, (iv) information as to whether and to what extent applicable expense waivers, reimbursements or fee “breakpoints” are observed for the Fund, (v) information regarding MFS’ financial results and financial condition, including MFS’ and certain of its affiliates’ estimated profitability from services performed for the Fund and the MFS Funds as a whole, and compared to MFS’ institutional business, (vi) MFS’ views regarding the outlook for the mutual fund industry and the strategic business plans of MFS, (vii) descriptions of various functions performed by MFS for the Funds, such as compliance monitoring and portfolio trading practices, and (viii) information regarding the overall organization of MFS, including information about MFS’ senior management and other personnel providing investment advisory, administrative and other services to the Fund and the other MFS Funds. The comparative performance, fee and expense information prepared and provided by Broadridge was not independently verified and the independent Trustees did not independently verify any information provided to them by MFS.

The Trustees’ conclusion as to the continuation of the investment advisory agreement was based on a comprehensive consideration of all information provided to the Trustees and not the result of any single factor. Some of the factors that figured particularly in the Trustees’ deliberations are described below, although individual Trustees may have evaluated the information presented differently from one another, giving different weights to various factors. It is also important to recognize that the fee arrangements for the Fund and other MFS Funds are the result of years of review and discussion between the independent Trustees and MFS, that certain aspects of such arrangements may receive greater scrutiny in some years than in others, and that the Trustees’ conclusions may be based, in part, on their consideration of these same arrangements during the course of the year and in prior years.

Based on information provided by Broadridge and MFS, the Trustees reviewed the Fund’s total return investment performance as well as the Broadridge performance universe over various time periods. The Trustees placed particular emphasis on the total return performance of the Fund’s Initial Class shares in comparison to the performance of funds in its Broadridge performance universe over the five-year period ended December 31, 2019, which the Trustees believed was a long enough period to reflect differing market conditions. The total return performance of the Fund’s Initial Class shares was in the 1st quintile relative to the other funds in the universe for this five-year period (the 1st quintile being the best performers and the 5th quintile being the worst performers). The total return performance of the Fund’s Initial Class shares was in the 1st quintile for the one-year period and the 2nd quintile for the three-year period ended December 31, 2019 relative to the Broadridge performance universe. Because of the passage of time, these performance results may differ from the performance results for more recent periods, including those shown elsewhere in this report.

## MFS Total Return Series

### *Board Review of Investment Advisory Agreement - continued*

In the course of their deliberations, the Trustees took into account information provided by MFS in connection with the contract review meetings, as well as during investment review meetings conducted with portfolio management personnel during the course of the year regarding the Fund's performance. After reviewing these and related factors, the Trustees concluded, within the context of their overall conclusions regarding the investment advisory agreement, that they were satisfied with MFS' responses and efforts relating to investment performance.

In assessing the reasonableness of the Fund's advisory fee, the Trustees considered, among other information, the Fund's advisory fee and the total expense ratio of the Fund's Initial Class shares as a percentage of average daily net assets and the advisory fee and total expense ratios of the Broadridge expense group based on information provided by Broadridge. The Trustees considered that MFS currently observes an expense limitation for the Fund, which may not be changed without the Trustees' approval. The Trustees also considered that, according to the data provided by Broadridge (which takes into account any fee reductions or expense limitations that were in effect during the Fund's last fiscal year), the Fund's effective advisory fee rate and total expense ratio were each approximately at the Broadridge expense group median.

The Trustees also considered the advisory fees charged by MFS to any institutional separate accounts advised by MFS ("separate accounts") and unaffiliated investment companies for which MFS serves as subadviser ("subadvised funds") that have comparable investment strategies to the Fund, if any. In comparing these fees, the Trustees considered information provided by MFS as to the generally broader scope of services provided by MFS to the Fund, as well as the more extensive regulatory burdens imposed on MFS in managing the Fund, in comparison to separate accounts and subadvised funds. The Trustees also considered the higher demands placed on MFS' investment personnel and trading infrastructure as a result of the daily cash in-flows and out-flows of the Fund in comparison to separate accounts.

The Trustees also considered whether the Fund may benefit from any economies of scale in the management of the Fund in the event of growth in assets of the Fund and/or growth in assets of the MFS Funds as a whole. They noted that the Fund's advisory fee rate schedule is subject to contractual breakpoints that reduce the Fund's advisory fee rate on average daily net assets over \$1 billion, \$2.5 billion, and \$5 billion. The Trustees also noted that MFS has agreed in writing to waive a portion of the management fees of certain MFS Funds, including the Fund, if the total combined assets of certain funds within the MFS Funds' complex increase above agreed upon thresholds (the "group fee waiver"), enabling the Fund's shareholders to share in the benefits from any economies of scale at the complex level. The group fee waiver is reviewed and renewed annually between the Board and MFS. The Trustees concluded that the breakpoints and the group fee waiver were sufficient to allow the Fund to benefit from economies of scale as its assets and overall complex assets grow.

The Trustees also considered information prepared by MFS relating to MFS' costs and profits with respect to the Fund, the MFS Funds considered as a group, and other investment companies and accounts advised by MFS, as well as MFS' methodologies used to determine and allocate its costs to the MFS Funds, the Fund and other accounts and products for purposes of estimating profitability.

After reviewing these and other factors described herein, the Trustees concluded, within the context of their overall conclusions regarding the investment advisory agreement, that the advisory fees charged to the Fund represent reasonable compensation in light of the services being provided by MFS to the Fund.

In addition, the Trustees considered MFS' resources and related efforts to continue to retain, attract and motivate capable personnel to serve the Fund. The Trustees also considered current and developing conditions in the financial services industry, including the presence of large and well-capitalized companies which are spending, and appear to be prepared to continue to spend, substantial sums to engage personnel and to provide services to competing investment companies. In this regard, the Trustees also considered the financial resources of MFS and its ultimate parent, Sun Life Financial Inc. The Trustees also considered the advantages and possible disadvantages to the Fund of having an adviser that also serves other investment companies as well as other accounts.

The Trustees also considered the nature, quality, cost, and extent of administrative, transfer agency, and distribution services provided to the Fund by MFS and its affiliates under agreements and plans other than the investment advisory agreement, including any 12b-1 fees the Fund pays to MFS Fund Distributors, Inc., an affiliate of MFS. The Trustees also considered the nature, extent and quality of certain other services MFS performs or arranges for on the Fund's behalf, which may include securities lending programs, directed expense payment programs, class action recovery programs, and MFS' interaction with third-party service providers, principally custodians and sub-custodians. The Trustees concluded that the various non-advisory services provided by MFS and its affiliates on behalf of the Fund were satisfactory.

The Trustees considered so-called "fall-out benefits" to MFS such as reputational value derived from serving as investment manager to the MFS Funds. The Trustees also considered that MFS discontinued its historic practice of obtaining investment research from portfolio brokerage commissions paid by certain MFS Funds effective January 2018, and directly pays or voluntarily reimburses a Fund, if applicable, for the costs of external research acquired through the use of the Fund's portfolio brokerage commissions.

*Board Review of Investment Advisory Agreement - continued*

Based on their evaluation of factors that they deemed to be material, including those factors described above, the Board of Trustees, including the independent Trustees, concluded that the Fund's investment advisory agreement with MFS should be continued for an additional one-year period, commencing August 1, 2020.

## PROXY VOTING POLICIES AND INFORMATION

MFS votes proxies on behalf of the fund pursuant to proxy voting policies and procedures that are available without charge, upon request, by calling 1-800-225-2606, by visiting [mfs.com/proxyvoting](http://mfs.com/proxyvoting), or by visiting the SEC's Web site at <http://www.sec.gov>.

Information regarding how the fund voted proxies relating to portfolio securities during the most recent twelve-month period ended June 30 is available by August 31 of each year without charge by visiting [mfs.com/proxyvoting](http://mfs.com/proxyvoting), or by visiting the SEC's Web site at <http://www.sec.gov>.

## QUARTERLY PORTFOLIO DISCLOSURE

The fund files a complete schedule of portfolio holdings with the SEC for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's Form N-PORT reports are available on the SEC's Web site at <http://www.sec.gov>. A shareholder can obtain the portfolio holdings report for the first and third quarters of the fund's fiscal year at [mfs.com/vit1](http://mfs.com/vit1) by choosing the fund's name and then scrolling to the "Resources" section and clicking on the "Prospectus and Reports" tab.

## FURTHER INFORMATION

From time to time, MFS may post important information about the fund or the MFS funds on the MFS Web site ([mfs.com](http://mfs.com)). This information is available at <https://www.mfs.com/announcements> or at [mfs.com/vit1](http://mfs.com/vit1) by choosing the fund's name and then scrolling to the "Resources" section and clicking on the "Announcements" tab, if any.

## INFORMATION ABOUT FUND CONTRACTS AND LEGAL CLAIMS

The fund has entered into contractual arrangements with an investment adviser, administrator, distributor, shareholder servicing agent, 529 program manager (if applicable), and custodian who each provide services to the fund. Unless expressly stated otherwise, shareholders are not parties to, or intended beneficiaries of these contractual arrangements, and these contractual arrangements are not intended to create any shareholder right to enforce them against the service providers or to seek any remedy under them against the service providers, either directly or on behalf of the fund.

Under the Trust's By-Laws and Declaration of Trust, any claims asserted against or on behalf of the MFS Funds, including claims against Trustees and Officers, must be brought in state and federal courts located within the Commonwealth of Massachusetts.

## FEDERAL TAX INFORMATION (unaudited)

The following information is provided pursuant to provisions of the Internal Revenue Code.

The fund designates \$69,985,000 as capital gain dividends paid during the fiscal year.

For corporate shareholders, 51.66% of the ordinary income dividends paid during the fiscal year qualify for the corporate dividends received deduction.

The fund intends to pass through the maximum amount allowable as Section 163(j) Interest Dividends as defined in Treasury Regulation §1.163(j)-1(b).



# FACTS

## WHAT DOES MFS DO WITH YOUR PERSONAL INFORMATION?



### Why?

Financial companies choose how they share your personal information. Federal law gives consumers the right to limit some but not all sharing. Federal law also requires us to tell you how we collect, share, and protect your personal information. Please read this notice carefully to understand what we do.

### What?

The types of personal information we collect and share depend on the product or service you have with us. This information can include:

- Social Security number and account balances
- Account transactions and transaction history
- Checking account information and wire transfer instructions

When you are *no longer* our customer, we continue to share your information as described in this notice.

### How?

All financial companies need to share customers' personal information to run their everyday business. In the section below, we list the reasons financial companies can share their customers' personal information; the reasons MFS chooses to share; and whether you can limit this sharing.

| Reasons we can share your personal information   | Does MFS share? | Can you limit this sharing? |
|--|-----------------|-----------------------------|
| <b>For our everyday business purposes –</b><br>such as to process your transactions, maintain your account(s), respond to court orders and legal investigations, or report to credit bureaus | Yes             | No                          |
| <b>For our marketing purposes –</b><br>to offer our products and services to you   | No              | We don't share              |
| <b>For joint marketing with other financial companies</b>  | No              | We don't share              |
| <b>For our affiliates' everyday business purposes –</b><br>information about your transactions and experiences   | No              | We don't share              |
| <b>For our affiliates' everyday business purposes –</b><br>information about your creditworthiness   | No              | We don't share              |
| <b>For nonaffiliates to market to you</b>  | No              | We don't share              |

### Questions?

Call **800-225-2606** or go to **mfs.com**.

## Who we are

|                                      |   |
|--------------------------------------|---|
| <b>Who is providing this notice?</b> | MFS Funds, MFS Investment Management, MFS Institutional Advisors, Inc., and MFS Heritage Trust Company. |
|--------------------------------------|---|

## What we do

|  |  |
|--|--|
| <b>How does MFS protect my personal information?</b> | To protect your personal information from unauthorized access and use, we use security measures that comply with federal law. These measures include procedural, electronic, and physical safeguards for the protection of the personal information we collect about you.  |
| <b>How does MFS collect my personal information?</b> | <p>We collect your personal information, for example, when you</p> <ul style="list-style-type: none"> <li>• open an account or provide account information</li> <li>• direct us to buy securities or direct us to sell your securities</li> <li>• make a wire transfer</li> </ul> <p>We also collect your personal information from others, such as credit bureaus, affiliates, or other companies.</p>                    |
| <b>Why can't I limit all sharing?</b>                | <p>Federal law gives you the right to limit only</p> <ul style="list-style-type: none"> <li>• sharing for affiliates' everyday business purposes – information about your creditworthiness</li> <li>• affiliates from using your information to market to you</li> <li>• sharing for nonaffiliates to market to you</li> </ul> <p>State laws and individual companies may give you additional rights to limit sharing.</p> |

## Definitions

|                        |   |
|------------------------|---|
| <b>Affiliates</b>      | <p>Companies related by common ownership or control. They can be financial and nonfinancial companies.</p> <ul style="list-style-type: none"> <li>• <i>MFS does not share personal information with affiliates, except for everyday business purposes as described on page one of this notice.</i></li> </ul> |
| <b>Nonaffiliates</b>   | <p>Companies not related by common ownership or control. They can be financial and nonfinancial companies.</p> <ul style="list-style-type: none"> <li>• <i>MFS does not share with nonaffiliates so they can market to you.</i></li> </ul>  |
| <b>Joint marketing</b> | <p>A formal agreement between nonaffiliated financial companies that together market financial products or services to you.</p> <ul style="list-style-type: none"> <li>• <i>MFS doesn't jointly market.</i></li> </ul>  |

## Other important information

If you own an MFS product or receive an MFS service in the name of a third party such as a bank or broker-dealer, their privacy policy may apply to you instead of ours.



