



# MFS<sup>®</sup> Research Series

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

Beginning on January 1, 2021, as permitted by regulations adopted by the U.S. Securities and Exchange Commission, the insurance company that offers your contract may determine that it will no longer send you paper copies of the fund's annual and semiannual shareholder reports unless you specifically request paper copies from the insurance company or from your financial intermediary. Instead, the shareholder reports will be made available on a Web site ([insurancefunds.mfs.com](http://insurancefunds.mfs.com) or other Web site of which you will be notified), and the insurance company will notify you by mail each time a report is posted and provide you with a Web site link to access the report. Instructions for requesting paper copies will be provided by your insurance company or financial intermediary.

If you already elected to receive shareholder reports by email, you will not be affected by this change and you need not take any action. If your insurance company or financial intermediary offers electronic delivery, you may elect to receive shareholder reports and other communications from the insurance company or financial intermediary by email by following the instructions provided by the insurance company or financial intermediary.

Beginning on January 1, 2019, you may elect to receive all future reports in paper free of charge from the insurance company or financial intermediary. You can inform the insurance company or financial intermediary that you wish to continue receiving paper copies of your shareholder reports by contacting your insurance company or financial intermediary. Your election to receive reports in paper will apply to all funds held in your account with your insurance company or financial intermediary.

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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.**

NOT FDIC INSURED • MAY LOSE VALUE • NO BANK OR CREDIT UNION GUARANTEE •  
NOT A DEPOSIT • NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY OR NCUA/NCUSIF

## LETTER FROM THE EXECUTIVE CHAIR



Dear Contract Owners:

Slowing global growth, low inflation, and trade friction between the United States and China have been hallmarks of the past 12 months. After experiencing an uptick in market volatility in late 2018, markets steadied for most of 2019, thanks in large measure to the adoption of a dovish policy stance on the part of global central banks, focused on supporting economic growth. Negotiations aimed at a “phase one” trade deal between the U.S. and China bore fruit at the end of the period, boosting investor sentiment, while signs of stability emerging from the global manufacturing sector also lifted spirits. Uncertainty over Brexit, along with the ripple effects from the trade conflict, hampered business confidence and investment in the United Kingdom and Europe for much of the period, though investors expect greater clarity regarding Brexit as a result of December’s general election. The pro-Brexit Conservative Party won the election by a comfortable margin and set the stage for the U.K.’s departure from the EU at the end of January.

Markets expect the longest economic expansion in U.S. history will continue, albeit at a slower pace, as trade tensions recede. In an effort to prolong the expansion, the U.S. Federal Reserve lowered interest rates three times between July and October and the European Central Bank loosened policy in September. While the global monetary policy backdrop remains quite accommodative, signs of easing trade tensions and fading global recession fears led to improved market sentiment in late 2019 as investors grew less risk averse. In early 2020, an outbreak of coronavirus emanating from China reintroduced global growth fears, causing an uptick in volatility.

Here at MFS®, we aim to help our clients navigate the growing complexity of the markets and world economies. Our long-term investment philosophy and commitment to the responsible allocation of capital allow us to tune out the noise and uncover what we believe are the best, most durable investment opportunities in the market. Through our powerful global investment platform, we combine collective expertise, thoughtful risk management and long-term discipline to create sustainable value for investors.

Respectfully,

A handwritten signature in black ink that reads "Robert J. Manning". The signature is written in a cursive, flowing style.

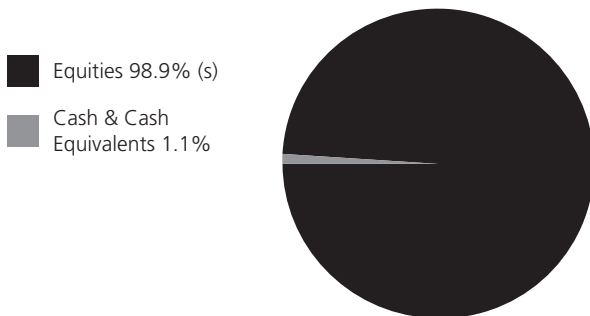
**Robert J. Manning**  
Executive Chair  
MFS Investment Management

February 14, 2020

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



### Global equity sectors (k)

Technology	25.3%
Financial Services	16.3%
Health Care (s)	14.4%
Consumer Cyclicals	13.8%
Capital Goods	12.2%
Energy	7.5%
Consumer Staples	5.5%
Telecommunications/Cable Television (s)	3.9%

### Top ten holdings

Microsoft Corp.	5.2%
Alphabet, Inc., "A"	3.7%
Amazon.com, Inc.	3.6%
Mastercard, Inc., "A"	2.7%
Facebook, Inc., "A"	2.4%
Johnson & Johnson	1.8%
Citigroup, Inc.	1.8%
Salesforce.com, Inc.	1.7%
Adobe Systems, Inc.	1.6%
Apple, Inc.	1.6%

(k) The sectors set forth above and the associated portfolio composition are based on MFS' own custom sector classification methodology.

(s) Includes securities sold short.

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, 2019.

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

## MANAGEMENT REVIEW

### Summary of Results

For the twelve months ended December 31, 2019, Initial Class shares of the MFS Research Series (fund) provided a total return of 32.95%, while Service Class shares of the fund provided a total return of 32.60%. These compare with a return of 31.49% over the same period for the fund's benchmark, the Standard & Poor's 500 Stock Index (S&P 500 Index).

### Market Environment

Fading fears of a near-term global recession, the announcement of a partial trade deal between the United States and China and the decline in uncertainty over Brexit helped bolster market sentiment late in the period. Changes in market sentiment, largely driven by uncertainty over the outcome of trade negotiations between the US and China, had contributed to periodic bouts of volatility during the reporting period. The global economy decelerated, led by weakness in China and Europe, although the pace of the slowdown moderated late in the period amid nascent signs of stabilization in the manufacturing sector.

The deteriorating global growth backdrop, along with declining inflationary pressures, prompted the US Federal Reserve to adopt a more dovish posture beginning in early 2019, resulting in the first interest rate cut in over a decade at the end of July, followed by additional cuts in September and October. The Fed's actions led to a sharp decline in long-term interest rates during the period's second half, causing the inversion of portions of the US Treasury yield curve for a time. Amid an improvement in risk sentiment in Q4 2019 and indications of a bottoming in growth and a potential upturn in activity, the Fed indicated in October that further rate cuts were unlikely unless the outlook for the economy materially worsened.

Globally, central banks have tilted more dovish as well, with the European Central Bank unveiling a package of easing measures, which included putting overnight rates deeper into negative territory, restarting its bond-buying program and lengthening the term of cheap loans to banks to three years from two. The central banks of India and Australia are among those that have cut rates several times in recent months, although China has been more cautious in increasing liquidity as it keeps trying to deleverage its economy, cutting rates only marginally.

Emerging markets experienced considerable volatility through the end of 2018, as tighter global financial conditions exposed structural weakness in some countries. Those conditions improved in 2019 as the Fed became more dovish. Notwithstanding the periodic headwinds on market sentiment from significant trade friction between the US and China over much of the year, emerging market hard currency debt and local rates benefited from relatively cheap valuations at the beginning of the period and easier global monetary conditions. These factors, plus the fading of certain global risk factors mentioned above, hastened spread tightening in the latter part of the period. At the same time, idiosyncratic risks spiked in some countries (e.g., Argentina and Lebanon), contributing to increased dispersion in performance among sovereign assets.

### Contributors to Performance

Security selection in both the *financial services* and *consumer cyclicals* sectors contributed to performance relative to the S&P 500 Index. Within the *financial services* sector, the fund's position in global alternative asset manager Blackstone Group<sup>(b)</sup>, overweight positions in debit and credit transaction processing company Mastercard and financial services firm Citigroup and not owning shares of insurance and investment firm Berkshire Hathaway supported relative performance. Despite a challenging environment, the share price of Blackstone appreciated as the company delivered better-than-anticipated results, driven by strong growth in fee-related earnings and fee-paying assets under management. The firm also showed growth in assets under management, with solid performance across most of its asset groups. Additionally, Blackstone Group's decision to convert from a limited partnership structure to a C corporation broadened the firm's potential ownership pool and further supported its share price performance. Within the *consumer cyclicals* sector, an overweight position in retail giant Target aided relative results. The share price of Target advanced during the period on the back of solid top-line performance and margin growth that expanded due to merchandising incentives and changes in product mix. Management also upgraded its full-year 2019 guidance following stronger-than-expected same-store sales.

Elsewhere, the fund's overweight positions in electronic payment services company Global Payments and financial technology services provider Fiserv bolstered relative performance. The share price of Global Payments rose after the company reported solid growth across all regions, particularly within the firm's Merchant Solutions and Issuer Solutions divisions. Management also increased its revenue guidance, which further supported the stock price. Additionally, not owning shares of integrated oil and gas company Exxon Mobil, holdings of cable and telecommunications company Altice<sup>(b)(h)</sup> and an underweight position in diversified medical products maker Johnson & Johnson supported relative returns.

### Detractors from Performance

Stock selection in the *technology* sector detracted from relative performance. Within this sector, the fund's underweight position in computer and personal electronics maker Apple and an overweight position in information technology company DXC Technology<sup>(h)</sup> held back relative returns. The stock price of Apple advanced during the reporting period as the company's revenues came in higher than consensus estimates, driven by stronger-than-expected demand in its wearable technology and services segments.

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### *Management Review – continued*

In other sectors, the fund's holdings of oil and gas company BP<sup>(b)</sup> (United Kingdom), electronic brokerage firm TD Ameritrade<sup>(b)(h)</sup> and animal food producer Elanco Animal Health<sup>(b)</sup> weighed on relative results. The share price of BP was negatively affected by weaker-than-expected upstream production, driven by lower pricing, higher maintenance costs and the impact of Hurricane Barry in the Gulf of Mexico. Furthermore, the company's efforts to reduce debt by its divestment program were slower-than-expected, which negatively affected BP's balance sheet. The fund's overweight positions in pharmaceutical giant Pfizer<sup>(h)</sup> and specialty materials and chemicals producer DuPont de Nemours also hindered relative returns. The share price of Pfizer depreciated after the company recorded sales that were shy of market expectations, owing to weakness in its legacy product sales. Pfizer also cut its fiscal-year 2019 guidance to reflect the integration of a joint venture with GlaxoSmithKline and the acquisition of Array BioPharma, which further pressured the stock. The timing of the fund's ownership in shares of biotechnology company Biogen<sup>(h)</sup> and discount variety store operator Dollar Tree, and not owning shares of global financial services firm JPMorgan Chase, also held back relative results.

Respectfully,

Portfolio Manager(s)  
Joseph MacDougall

(b) Security is not a benchmark constituent.

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

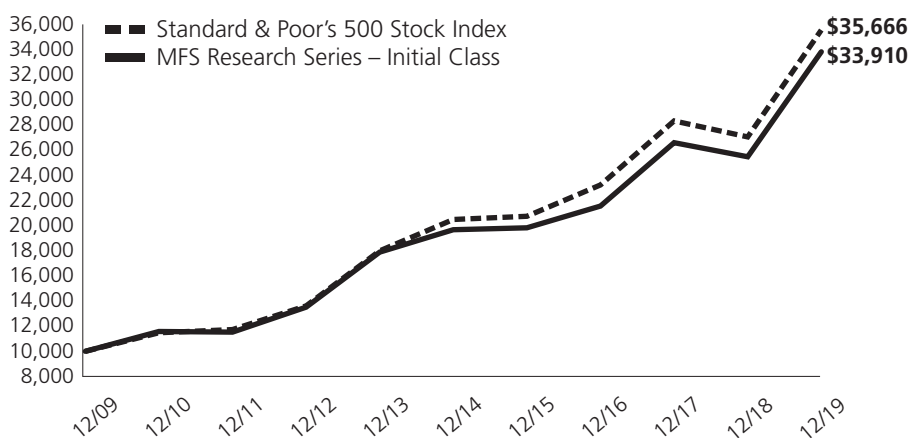
The views expressed in this report are those of the portfolio manager(s) only through the end of the period of the report as stated on the cover and do not necessarily reflect the views of MFS or any other person in the MFS organization. These views are subject to change at any time based on market or 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 12/31/19

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 12/31/19

#### Average annual total returns

Share Class	Class Inception Date	1-yr	5-yr	10-yr
Initial Class	7/26/95	32.95%	11.45%	12.99%
Service Class	5/01/00	32.60%	11.16%	12.71%

#### Comparative benchmark(s)

Standard & Poor's 500 Stock Index (f)	31.49%	11.70%	13.56%
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(f) Source: FactSet Research Systems Inc.

#### Benchmark Definition(s)

Standard & Poor's 500 Stock Index – a market capitalization-weighted index of 500 widely held equity securities, designed to measure broad U.S. equity performance. "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 Massachusetts Financial Services Company. The S&P 500® is a product of S&P Dow Jones Indices LLC, and has been licensed for use by Massachusetts Financial Services Company. Massachusetts Financial Services Company'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).

It is not possible to invest directly in an index.

#### 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.

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### *Performance Summary – continued*

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, 2019 through December 31, 2019

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, 2019 through December 31, 2019.

#### 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 7/01/19	Ending Account Value 12/31/19	Expenses Paid During Period (p) 7/01/19-12/31/19
Initial Class	Actual	0.80%	\$1,000.00	\$1,095.66	\$4.23
	Hypothetical (h)	0.80%	\$1,000.00	\$1,021.17	\$4.08
Service Class	Actual	1.05%	\$1,000.00	\$1,093.98	\$5.54
	Hypothetical (h)	1.05%	\$1,000.00	\$1,019.91	\$5.35

(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 184/365 (to reflect the one-half year period).

#### Notes to Expense Table

Expense ratios include 0.03% of investment related expenses from short sales (See Note 2 of the Notes to Financial Statements) that are outside of the expense limitation arrangement (See Note 3 of the Notes to Financial Statements).

## PORTFOLIO OF INVESTMENTS – 12/31/19

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 (\$)	Issuer	Shares/Par	Value (\$)
<b>COMMON STOCKS – 99.4%</b>			<b>COMMON STOCKS – continued</b>		
<b>Aerospace – 4.0%</b>			<b>Construction – continued</b>		
Honeywell International, Inc.	48,560	\$ 8,595,120	Toll Brothers, Inc.	82,558	\$ 3,261,866
Huntington Ingalls Industries, Inc.	13,369	3,354,015	Vulcan Materials Co.	24,607	3,543,162
L3Harris Technologies, Inc.	20,311	4,018,938			\$ 16,938,143
Northrop Grumman Corp.	12,169	4,185,771			
United Technologies Corp.	49,540	7,419,110			
		\$ 27,572,954			
<b>Alcoholic Beverages – 0.6%</b>			<b>Consumer Products – 1.6%</b>		
Constellation Brands, Inc., "A"	19,795	\$ 3,756,101	Colgate-Palmolive Co.	64,218	\$ 4,420,767
			Energizer Holdings, Inc.	32,311	1,622,658
<b>Apparel Manufacturers – 1.3%</b>			Kimberly-Clark Corp.	34,469	4,741,211
NIKE, Inc., "B"	89,162	\$ 9,033,002			\$ 10,784,636
<b>Automotive – 0.4%</b>			<b>Consumer Services – 0.7%</b>		
IAA, Inc. (a)	58,410	\$ 2,748,775	Booking Holdings, Inc. (a)	2,387	\$ 4,902,253
<b>Brokerage &amp; Asset Managers – 2.5%</b>			<b>Electrical Equipment – 1.3%</b>		
Blackstone Group, Inc.	67,570	\$ 3,779,866	HD Supply Holdings, Inc. (a)	68,056	\$ 2,737,212
Charles Schwab Corp.	195,570	9,301,309	Sensata Technologies Holding PLC (a)	61,945	3,336,977
CME Group, Inc.	21,319	4,279,150	TE Connectivity Ltd.	31,827	3,050,300
		\$ 17,360,325			\$ 9,124,489
<b>Business Services – 5.4%</b>			<b>Electronics – 2.0%</b>		
Accenture PLC, "A"	30,384	\$ 6,397,959	Analog Devices, Inc.	56,073	\$ 6,663,715
Cognizant Technology Solutions Corp., "A"	21,509	1,333,988	NXP Semiconductors N.V.	52,892	6,731,036
Fidelity National Information Services, Inc.	62,977	8,759,471			\$ 13,394,751
Fiserv, Inc. (a)	84,678	9,791,317	<b>Energy – Independent – 2.2%</b>		
Global Payments, Inc.	39,067	7,132,072	ConocoPhillips	79,398	\$ 5,163,252
Verisk Analytics, Inc., "A"	23,547	3,516,509	Diamondback Energy, Inc.	25,797	2,395,510
		\$ 36,931,316	Pioneer Natural Resources Co.	24,517	3,711,138
<b>Cable TV – 2.3%</b>			Valero Energy Corp.	38,182	3,575,744
Charter Communications, Inc., "A" (a)	10,881	\$ 5,278,156			\$ 14,845,644
Comcast Corp., "A"	223,951	10,071,076	<b>Energy – Integrated – 1.2%</b>		
		\$ 15,349,232	BP PLC, ADR	210,270	\$ 7,935,590
<b>Chemicals – 0.5%</b>			<b>Food &amp; Beverages – 2.6%</b>		
FMC Corp.	36,979	\$ 3,691,244	J.M. Smucker Co.	20,016	\$ 2,084,266
<b>Computer Software – 9.0%</b>			Mondelez International, Inc.	119,364	6,574,569
Adobe Systems, Inc. (a)	32,775	\$ 10,809,523	PepsiCo, Inc.	65,141	8,902,821
Cadence Design Systems, Inc. (a)	59,917	4,155,843			\$ 17,561,656
Microsoft Corp. (s)	222,967	35,161,896	<b>Gaming &amp; Lodging – 1.0%</b>		
Salesforce.com, Inc. (a)	69,208	11,255,989	Marriott International, Inc., "A"	32,826	\$ 4,970,841
		\$ 61,383,251	Wyndham Hotels & Resorts, Inc.	33,458	2,101,497
<b>Computer Software – Systems – 2.8%</b>					\$ 7,072,338
Apple, Inc.	36,581	\$ 10,742,011	<b>General Merchandise – 1.6%</b>		
Constellation Software, Inc.	4,167	4,047,017	Dollar General Corp.	40,410	\$ 6,303,152
Square, Inc., "A" (a)	30,957	1,936,670	Dollar Tree, Inc. (a)	48,319	4,544,402
Zebra Technologies Corp., "A" (a)	9,435	2,410,076			\$ 10,847,554
		\$ 19,135,774	<b>Health Maintenance Organizations – 1.8%</b>		
<b>Construction – 2.5%</b>			Cigna Corp.	33,224	\$ 6,793,976
Masco Corp.	115,503	\$ 5,542,989	Humana, Inc.	14,320	5,248,566
Sherwin-Williams Co.	7,866	4,590,126			\$ 12,042,542

## Portfolio of Investments – continued

Issuer	Shares/Par	Value (\$)	Issuer	Shares/Par	Value (\$)
<b>COMMON STOCKS – continued</b>			<b>COMMON STOCKS – continued</b>		
<b>Insurance – 2.6%</b>			<b>Pharmaceuticals – continued</b>		
Aon PLC	49,233	\$ 10,254,741	Zoetis, Inc.	59,750	\$ 7,907,913
Chubb Ltd.	47,121	7,334,855			\$ 29,621,152
		\$ 17,589,596	<b>Railroad &amp; Shipping – 1.5%</b>		
<b>Internet – 6.1%</b>			Canadian Pacific Railway Ltd.	21,233	\$ 5,413,353
Alphabet, Inc., "A" (a)(s)	18,742	\$ 25,102,847	Kansas City Southern Co.	30,649	4,694,201
Facebook, Inc., "A" (a)	80,150	16,450,788			\$ 10,107,554
		\$ 41,553,635	<b>Real Estate – 1.5%</b>		
<b>Leisure &amp; Toys – 1.0%</b>			Public Storage, Inc., REIT	31,019	\$ 6,605,806
Electronic Arts, Inc. (a)	64,742	\$ 6,960,412	STORE Capital Corp., REIT	97,447	3,628,927
					\$ 10,234,733
<b>Machinery &amp; Tools – 1.2%</b>			<b>Restaurants – 1.6%</b>		
FlowsERVE Corp.	51,246	\$ 2,550,513	Chipotle Mexican Grill, Inc., "A" (a)	2,950	\$ 2,469,475
Roper Technologies, Inc.	15,874	5,623,047	Starbucks Corp.	96,036	8,443,485
		\$ 8,173,560			\$ 10,912,960
<b>Major Banks – 2.8%</b>			<b>Specialty Chemicals – 0.7%</b>		
Goldman Sachs Group, Inc.	43,223	\$ 9,938,264	DuPont de Nemours, Inc.	74,906	\$ 4,808,965
PNC Financial Services Group, Inc.	27,870	4,448,888	<b>Specialty Stores – 6.5%</b>		
State Street Corp.	56,987	4,507,672	Amazon.com, Inc. (a)(s)	13,202	\$ 24,395,184
		\$ 18,894,824	Burlington Stores, Inc. (a)	18,812	4,289,700
<b>Medical &amp; Health Technology &amp; Services – 1.3%</b>			Chewy, Inc., "A" (a)(l)	42,208	1,224,032
ICON PLC (a)	33,957	\$ 5,848,414	Ross Stores, Inc.	54,583	6,354,553
Mckesson Corp.	22,439	3,103,763	Target Corp.	64,386	8,254,929
		\$ 8,952,177			\$ 44,518,398
<b>Medical Equipment – 7.2%</b>			<b>Telecommunications – Wireless – 1.4%</b>		
Becton, Dickinson and Co.	29,869	\$ 8,123,472	American Tower Corp., REIT	41,016	\$ 9,426,297
Boston Scientific Corp. (a)	131,609	5,951,359	<b>Telephone Services – 0.6%</b>		
Danaher Corp.	46,312	7,107,966	Verizon Communications, Inc.	66,662	\$ 4,093,047
Masimo Corp. (a)	21,845	3,452,821	<b>Tobacco – 0.8%</b>		
Medtronic PLC	86,761	9,843,035	Philip Morris International, Inc.	66,250	\$ 5,637,212
PerkinElmer, Inc.	71,134	6,907,111	<b>Utilities – Electric Power – 2.9%</b>		
STERIS PLC	22,473	3,425,335	American Electric Power Co., Inc.	40,374	\$ 3,815,747
West Pharmaceutical Services, Inc.	26,347	3,960,744	CMS Energy Corp.	51,001	3,204,903
		\$ 48,771,843	Duke Energy Corp.	44,473	4,056,382
<b>Natural Gas – Distribution – 0.5%</b>			FirstEnergy Corp.	91,661	4,454,724
Sempra Energy	21,386	\$ 3,239,551	NextEra Energy, Inc.	18,223	4,412,882
					\$ 19,944,638
<b>Natural Gas – Pipeline – 0.6%</b>			<b>Total Common Stocks</b>		
Enterprise Products Partners LP	139,704	\$ 3,934,065	<b>(Identified Cost, \$438,069,886)</b>		
			<b>\$677,730,106</b>		
<b>Oil Services – 0.1%</b>			<b>INVESTMENT COMPANIES (h) – 0.2%</b>		
Core Laboratories N.V. (l)	23,376	\$ 880,574	<b>Money Market Funds – 0.2%</b>		
<b>Other Banks &amp; Diversified Financials – 6.9%</b>			MFS Institutional Money Market Portfolio,		
Citigroup, Inc.	154,213	\$ 12,320,077	1.7% (v) (Identified Cost, \$1,194,823)	1,194,880	\$ 1,194,880
Mastercard, Inc., "A"	61,323	18,310,435	<b>COLLATERAL FOR SECURITIES LOANED – 0.0%</b>		
Truist Financial Corp.	158,960	8,952,627	State Street Navigator Securities Lending		
U.S. Bancorp	126,163	7,480,204	Government Money Market Portfolio,		
		\$ 47,063,343	1.58% (j) (Identified Cost, \$204,670)	204,670	\$ 204,670
<b>Pharmaceuticals – 4.3%</b>					
Elanco Animal Health, Inc. (a)	109,432	\$ 3,222,772			
Eli Lilly & Co.	44,853	5,895,030			
Johnson & Johnson	86,347	12,595,437			

MFS Research Series

Portfolio of Investments – continued

Issuer	Shares/Par	Value (\$)
<b>SECURITIES SOLD SHORT – (0.5)%</b>		
<b>Medical &amp; Health Technology &amp; Services – (0.2)%</b>		
Healthcare Services Group, Inc.	(44,372)	\$ (1,079,127)
<b>Telecommunications – Wireless – (0.3)%</b>		
Crown Castle International Corp., REIT	(16,616)	\$ (2,361,964)
<b>Total Securities Sold Short</b>		<b>\$ (3,441,091)</b>
<b>(Proceeds Received, \$2,805,414)</b>		
OTHER ASSETS, LESS		
LIABILITIES – 0.9%		5,995,912
<b>NET ASSETS – 100.0%</b>		<b>\$681,684,477</b>

- (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 \$1,194,880 and \$677,934,776, respectively.
- (j) The rate quoted is the annualized seven-day yield of the fund at period end.
- (l) A portion of this security is on loan. See Note 2 for additional information.
- (s) Security or a portion of the security was pledged to cover collateral requirements for securities sold short.
- (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  
 REIT Real Estate Investment Trust

At December 31, 2019, the fund had cash collateral of \$16,071 and other liquid securities with an aggregate value of \$7,821,150 to cover any collateral or margin obligations for securities sold short. Restricted cash and/or deposits with brokers in the Statement of Assets and Liabilities are comprised of cash collateral.

**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 12/31/19

### Assets

Investments in unaffiliated issuers, at value, including \$1,236,114 of securities on loan (identified cost, \$438,274,556)	\$677,934,776
Investments in affiliated issuers, at value (identified cost, \$1,194,823)	1,194,880
Deposits with brokers for	
Securities sold short	16,071
Receivables for	
Investments sold	5,859,227
Fund shares sold	567,036
Interest and dividends	657,013
Other assets	2,800
<b>Total assets</b>	<b>\$686,231,803</b>

### Liabilities

Payables for	
Securities sold short, at value (proceeds received, \$2,805,414)	\$3,441,091
Fund shares reacquired	767,221
Collateral for securities loaned, at value (c)	204,670
Payable to affiliates	
Investment adviser	21,938
Administrative services fee	525
Shareholder servicing costs	797
Distribution and/or service fees	4,383
Payable for independent Trustees' compensation	12
Accrued expenses and other liabilities	106,689
<b>Total liabilities</b>	<b>\$4,547,326</b>
<b>Net assets</b>	<b>\$681,684,477</b>

### Net assets consist of

Paid-in capital	\$411,115,493
Total distributable earnings (loss)	270,568,984
<b>Net assets</b>	<b>\$681,684,477</b>
Shares of beneficial interest outstanding	23,279,469

	Net assets	Shares outstanding	Net asset value per share
Initial Class	\$361,842,455	12,270,466	\$29.49
Service Class	319,842,022	11,009,003	29.05

(c) Non-cash collateral is not included.

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 12/31/19

#### Net investment income (loss)

Income	
Dividends	\$9,977,961
Dividends from affiliated issuers	120,360
Other	88,993
Income on securities loaned	53,796
Foreign taxes withheld	(39,019)
<b>Total investment income</b>	<b>\$10,202,091</b>
Expenses	
Management fee	\$4,699,526
Distribution and/or service fees	683,655
Shareholder servicing costs	17,757
Administrative services fee	94,656
Independent Trustees' compensation	17,447
Custodian fee	31,512
Shareholder communications	49,078
Audit and tax fees	59,234
Legal fees	5,888
Dividend and interest expense on securities sold short	190,574
Interest expense and fees	3,677
Miscellaneous	36,796
<b>Total expenses</b>	<b>\$5,889,800</b>
Reduction of expenses by investment adviser	(115,573)
<b>Net expenses</b>	<b>\$5,774,227</b>
<b>Net investment income (loss)</b>	<b>\$4,427,864</b>
<b>Realized and unrealized gain (loss)</b>	
Realized gain (loss) (identified cost basis)	
Unaffiliated issuers	\$27,940,502
Affiliated issuers	338
Foreign currency	46
<b>Net realized gain (loss)</b>	<b>\$27,940,886</b>
Change in unrealized appreciation or depreciation	
Unaffiliated issuers	\$141,599,686
Affiliated issuers	78
Securities sold short	(206,238)
Translation of assets and liabilities in foreign currencies	141
<b>Net unrealized gain (loss)</b>	<b>\$141,393,667</b>
<b>Net realized and unrealized gain (loss)</b>	<b>\$169,334,553</b>
<b>Change in net assets from operations</b>	<b>\$173,762,417</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	
	12/31/19	12/31/18
<b>Change in net assets</b>		
<b>From operations</b>		
Net investment income (loss)	\$4,427,864	\$4,710,335
Net realized gain (loss)	27,940,886	64,792,203
Net unrealized gain (loss)	141,393,667	(91,045,222)
Change in net assets from operations	\$173,762,417	\$(21,542,684)
Total distributions to shareholders	\$(69,043,322)	\$(71,592,214)
Change in net assets from fund share transactions	\$41,645,153	\$5,486,232
Total change in net assets	\$146,364,248	\$(87,648,666)
<b>Net assets</b>		
At beginning of period	535,320,229	622,968,895
At end of period	\$681,684,477	\$535,320,229

**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				
	12/31/19	12/31/18	12/31/17	12/31/16	12/31/15
Net asset value, beginning of period	\$24.93	\$29.50	\$26.00	\$26.68	\$29.11
<b>Income (loss) from investment operations</b>					
Net investment income (loss) (d)	\$0.23	\$0.26	\$0.20	\$0.36(c)	\$0.21
Net realized and unrealized gain (loss)	7.66	(1.04)	5.67	1.98	(0.17)(g)
Total from investment operations	\$7.89	\$(0.78)	\$5.87	\$2.34	\$0.04
<b>Less distributions declared to shareholders</b>					
From net investment income	\$(0.24)	\$(0.22)	\$(0.40)	\$(0.22)	\$(0.22)
From net realized gain	(3.09)	(3.57)	(1.97)	(2.80)	(2.25)
Total distributions declared to shareholders	\$(3.33)	\$(3.79)	\$(2.37)	\$(3.02)	\$(2.47)
Net asset value, end of period (x)	\$29.49	\$24.93	\$29.50	\$26.00	\$26.68
Total return (%) (k)(r)(s)(x)	32.95	(4.37)	23.37	8.74(c)	0.80
<b>Ratios (%) (to average net assets) and Supplemental data:</b>					
Expenses before expense reductions (f)	0.83	0.82	0.83	0.80(c)	0.82
Expenses after expense reductions (f)	0.81	0.81	0.81	0.79(c)	0.81
Net investment income (loss)	0.82	0.88	0.70	1.36(c)	0.72
Portfolio turnover	35	31	37	45	43
Net assets at end of period (000 omitted)	\$361,842	\$319,422	\$394,867	\$386,256	\$410,178
<b>Supplemental Ratios (%):</b>					
Ratios of expenses to average net assets after expense reductions excluding short sale expenses and interest expense and fees (f)	0.78	0.79	0.79	0.78(c)	0.80

See Notes to Financial Statements



## Financial Highlights – continued

Service Class	Year ended				
	12/31/19	12/31/18	12/31/17	12/31/16	12/31/15
Net asset value, beginning of period	\$24.61	\$29.17	\$25.73	\$26.42	\$28.84
<b>Income (loss) from investment operations</b>					
Net investment income (loss) (d)	\$0.16	\$0.18	\$0.13	\$0.29(c)	\$0.13
Net realized and unrealized gain (loss)	7.55	(1.03)	5.61	1.96	(0.16)(g)
Total from investment operations	\$7.71	\$(0.85)	\$5.74	\$2.25	\$(0.03)
<b>Less distributions declared to shareholders</b>					
From net investment income	\$(0.18)	\$(0.14)	\$(0.33)	\$(0.14)	\$(0.14)
From net realized gain	(3.09)	(3.57)	(1.97)	(2.80)	(2.25)
Total distributions declared to shareholders	\$(3.27)	\$(3.71)	\$(2.30)	\$(2.94)	\$(2.39)
Net asset value, end of period (x)	\$29.05	\$24.61	\$29.17	\$25.73	\$26.42
Total return (%) (k)(r)(s)(x)	32.60	(4.62)	23.07	8.49(c)	0.53
<b>Ratios (%) (to average net assets) and Supplemental data:</b>					
Expenses before expense reductions (f)	1.08	1.07	1.08	1.05(c)	1.07
Expenses after expense reductions (f)	1.06	1.06	1.06	1.04(c)	1.06
Net investment income (loss)	0.57	0.63	0.47	1.11(c)	0.47
Portfolio turnover	35	31	37	45	43
Net assets at end of period (000 omitted)	\$319,842	\$215,898	\$228,102	\$220,341	\$226,704
<b>Supplemental Ratios (%):</b>					
Ratios of expenses to average net assets after expense reductions excluding short sale expenses and interest expense and fees (f)	1.03	1.04	1.04	1.03(c)	1.05

(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.

(g) The per share amount varies from the net realized and unrealized gain/loss for the period because of the timing of sales of fund shares and the per share amount of realized and unrealized gains and losses at such time.

(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 Research 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.

**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 and equity securities sold short, 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. Equity securities sold short, for which there were no sales reported for that day, are generally valued at the last quoted daily ask quotation on their primary market or exchange 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 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

*Notes to Financial Statements – continued*

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, 2019 in valuing the fund's assets or liabilities:

<b>Financial Instruments</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Total</b>
Equity Securities	\$677,730,106	\$—	\$—	\$677,730,106
Mutual Funds	1,399,550	—	—	1,399,550
Total	\$679,129,656	\$—	\$—	\$679,129,656
Securities Sold Short	\$(3,441,091)	\$—	\$—	\$(3,441,091)

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.

**Short Sales** – The fund entered into short sales whereby it sells a security it does not own in anticipation of a decline in the value of that security. The fund will realize a gain if the security price decreases and a loss if the security price increases between the date of the short sale and the date on which the fund replaces the borrowed security. Losses from short sales can exceed the proceeds of the security sold; and they can also exceed the potential loss from an ordinary buy and sell transaction. The amount of any premium, dividends, or interest the fund may be required to pay in connection with a short sale will be recognized as a fund expense. During the year ended December 31, 2019, this expense amounted to \$190,574. The fund segregates cash or marketable securities in an amount that, when combined with the amount of proceeds from the short sale deposited with the broker, at least equals the current market value of the security sold short.

**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. At period end, the fund had investment securities on loan, all of which were classified as equity securities in the fund's Portfolio of Investments, with a fair value of \$1,236,114. The fair value of the fund's investment securities on loan and a related liability of \$204,670 for cash collateral received on securities loaned are both presented gross in the Statement of Assets and Liabilities. Additionally, these loans were collateralized by U.S. Treasury Obligations of \$1,083,713 held by the lending agent. The collateral on securities loaned exceeded the value of securities on loan at period end. The liability for cash collateral for securities loaned is carried at fair value, which is categorized as level 2 within the fair value hierarchy. 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.

**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. Interest income is recorded on the accrual basis. 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 payments received in additional securities are recorded on the ex-dividend 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.

**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 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 12/31/19	Year ended 12/31/18
Ordinary income (including any short-term capital gains)	\$8,055,147	\$15,192,066
Long-term capital gains	60,988,175	56,400,148
Total distributions	\$69,043,322	\$71,592,214

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

<b>As of 12/31/19</b>	
Cost of investments	\$438,092,584
Gross appreciation	243,206,803
Gross depreciation	(5,610,822)
Net unrealized appreciation (depreciation)	\$237,595,981
Undistributed ordinary income	6,993,168
Undistributed long-term capital gain	24,897,394
Other temporary differences	1,082,441

**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

## Notes to Financial Statements – continued

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:

	Year ended 12/31/19	Year ended 12/31/18
Initial Class	\$38,326,191	\$44,328,950
Service Class	30,717,131	27,263,264
Total	\$69,043,322	\$71,592,214

### (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	0.75%
In excess of \$1 billion	0.65%

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, 2019, this management fee reduction amounted to \$61,095, which is included in the reduction of total expenses in the Statement of Operations. The management fee incurred for the year ended December 31, 2019 was equivalent to an annual effective rate of 0.74% of the fund's average daily net assets.

For the period from January 1, 2019 through July 31, 2019, the investment adviser had 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 as short sale dividend and interest expenses incurred in connection with the fund's investment activity), such that total annual operating expenses did not exceed 0.79% of average daily net assets for the Initial Class shares and 1.04% of average daily net assets for the Service Class shares. This written agreement terminated on July 31, 2019. For the period from January 1, 2019 through July 31, 2019, this reduction amounted to \$9,933, which is included in the reduction of total expenses in the Statement of Operations. Effective August 1, 2019, 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 as short sale dividend and interest expenses incurred in connection with the fund's investment activity), such that total annual operating expenses do not exceed 0.77% of average daily net assets for the Initial Class shares and 1.02% 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, 2021. For the period from August 1, 2019 through December 31, 2019, this reduction amounted to \$44,545, 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, 2019, the fee was \$15,987, which equated to 0.0026% annually of the fund's average daily net assets. MFSC also receives payment from the fund for out-of-pocket expenses paid by MFSC on behalf of the fund. For the year ended December 31, 2019, these costs amounted to \$1,770.

**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, 2019 was equivalent to an annual effective rate of 0.0151% 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.

**Other** – This fund and certain other funds managed by MFS (the funds) had entered into a service agreement (the ISO Agreement) which provided for payment of fees solely by the funds to Tarantino LLC in return for the provision of services of an Independent Senior Officer (ISO) for the funds. Frank L. Tarantino served as the ISO and was an officer of the funds and the sole member of Tarantino LLC. Effective June 30, 2019, Mr. Tarantino retired from his position as ISO for the funds, and the ISO Agreement was terminated. For the year ended December 31, 2019, the fee paid by the fund under this agreement was \$699 and is included in “Miscellaneous” expense in the Statement of Operations. MFS had agreed to bear all expenses associated with office space, other administrative support, and supplies provided to the ISO.

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.

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, 2019, the fund engaged in purchase and sale transactions pursuant to this policy, which amounted to \$85,219 and \$313,467, respectively. The sales transactions resulted in net realized gains (losses) of \$44,936.

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, 2019, this reimbursement amounted to \$29,674, which is included in “Other” income in the Statement of Operations.

#### (4) Portfolio Securities

For the year ended December 31, 2019, purchases and sales of investments, other than short sales and short-term obligations, aggregated \$214,550,172 and \$233,991,707, respectively.

#### (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 12/31/19		Year ended 12/31/18	
	Shares	Amount	Shares	Amount
Shares sold				
Initial Class	633,043	\$17,785,306	329,221	\$9,452,088
Service Class	2,518,541	70,524,436	1,628,313	45,814,010
	3,151,584	\$88,309,742	1,957,534	\$55,266,098
Shares issued to shareholders in reinvestment of distributions				
Initial Class	1,429,548	\$38,326,191	1,541,340	\$44,328,950
Service Class	1,161,767	30,717,131	959,299	27,263,264
	2,591,315	\$69,043,322	2,500,639	\$71,592,214
Shares reacquired				
Initial Class	(2,606,676)	\$(74,894,897)	(2,439,153)	\$(73,589,103)
Service Class	(1,444,916)	(40,813,014)	(1,633,597)	(47,782,977)
	(4,051,592)	\$(115,707,911)	(4,072,750)	\$(121,372,080)
Net change				
Initial Class	(544,085)	\$(18,783,400)	(568,592)	\$(19,808,065)
Service Class	2,235,392	60,428,553	954,015	25,294,297
	1,691,307	\$41,645,153	385,423	\$5,486,232

The fund is one of several mutual funds in which certain MFS funds may invest. The MFS funds do not invest in the underlying funds for the purpose of exercising management or control. At the end of the period, the MFS Moderate Allocation Portfolio, the MFS Growth Allocation Portfolio, and the MFS Conservative Allocation Portfolio were the owners of record of approximately 17%, 5%, and 4%, respectively, of the value of outstanding voting shares of the fund.

#### (6) Line of Credit

The fund and certain other funds managed by MFS participate in a \$1.25 billion unsecured committed line of credit, subject to a \$1 billion sublimit, 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



*Notes to Financial Statements – continued*

other funds managed by MFS have established 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, 2019, the fund's commitment fee and interest expense were \$3,410 and \$0, respectively, and are included in "Interest expense and fees" 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:

<b>Affiliated Issuers</b>	<b>Beginning Value</b>	<b>Purchases</b>	<b>Sales Proceeds</b>	<b>Realized Gain (Loss)</b>	<b>Change in Unrealized Appreciation or Depreciation</b>	<b>Ending Value</b>
MFS Institutional Money Market Portfolio	\$8,681,716	\$73,637,101	\$81,124,353	\$338	\$78	\$1,194,880
<b>Affiliated Issuers</b>					<b>Dividend Income</b>	<b>Capital Gain Distributions</b>
MFS Institutional Money Market Portfolio					\$120,360	\$—

## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

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

### Opinion on the Financial Statements and Financial Highlights

We have audited the accompanying statement of assets and liabilities of MFS Research Series (the “Fund”), including the portfolio of investments, as of December 31, 2019, 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, 2019, 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, 2019, 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 14, 2020

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, 2020, 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.

<u>Name, Age</u>	<u>Position(s) Held with Fund</u>	<u>Trustee/Officer Since <sup>(h)</sup></u>	<u>Number of MFS Funds overseen by the Trustee</u>	<u>Principal Occupations During the Past Five Years</u>	<u>Other Directorships During the Past Five Years <sup>(i)</sup></u>
<b>INTERESTED TRUSTEES</b>					
Robert J. Manning <sup>(k)</sup> (age 56)	Trustee	February 2004	133	Massachusetts Financial Services Company, Executive Chairman (since January 2017); Director; Chairman of the Board; Chief Executive Officer (until 2015); Co-Chief Executive Officer (2015-2016)	N/A
Robin A. Stelmach <sup>(k)</sup> (age 58)	Trustee	January 2014	133	Massachusetts Financial Services Company, Vice Chair (since January 2017); Chief Operating Officer and Executive Vice President (until January 2017)	N/A
<b>INDEPENDENT TRUSTEES</b>					
John P. Kavanaugh (age 65)	Trustee and Chair of Trustees	January 2009	133	Private investor	N/A
Steven E. Buller (age 68)	Trustee	February 2014	133	Financial Accounting Standards Advisory Council, Chairman (2014-2015); Public Company Accounting Oversight Board, Standing Advisory Group, Member (until 2014); BlackRock, Inc. (investment management), Managing Director (until 2014), BlackRock Finco UK (investment management), Director (until 2014)	N/A
John A. Caroselli (age 65)	Trustee	March 2017	133	JC Global Advisors, LLC (management consulting), President (since 2015); First Capital Corporation (commercial finance), Executive Vice President (until 2015)	N/A
Maureen R. Goldfarb (age 64)	Trustee	January 2009	133	Private investor	N/A
Peter D. Jones (age 64)	Trustee	January 2019	133	Franklin Templeton Distributors, Inc. (investment management), President (until 2015); Franklin Templeton Institutional, LLC (investment management), Chairman (until 2015)	N/A
James W. Kilman, Jr. (age 58)	Trustee	January 2019	133	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)

MFS Research Series

Trustees and Officers – continued

<b>Name, Age</b>	<b>Position(s) Held with Fund</b>	<b>Trustee/Officer Since <sup>(h)</sup></b>	<b>Number of MFS Funds overseen by the Trustee</b>	<b>Principal Occupations During the Past Five Years</b>	<b>Other Directorships During the Past Five Years <sup>(i)</sup></b>
Clarence Otis, Jr. (age 63)	Trustee	March 2017	133	Darden Restaurants, Inc., Chief Executive Officer (until 2014)	VF Corporation, Director; Verizon Communications, Inc., Director; The Travelers Companies, Director; Federal Reserve Bank of Atlanta, Director (until 2015)
Maryanne L. Roepke (age 63)	Trustee	May 2014	133	American Century Investments (investment management), Senior Vice President and Chief Compliance Officer (until 2014)	N/A
Laurie J. Thomsen (age 62)	Trustee	March 2005	133	Private investor	The Travelers Companies, Director; Dycor Industries, Inc., Director (since 2015)

<b>Name, Age</b>	<b>Position(s) Held with Fund</b>	<b>Trustee/Officer Since <sup>(h)</sup></b>	<b>Number of MFS Funds for which the Person is an Officer</b>	<b>Principal Occupations During the Past Five Years</b>
<b>OFFICERS</b>				
Christopher R. Bohane <sup>(k)</sup> (age 46)	Assistant Secretary and Assistant Clerk	July 2005	133	Massachusetts Financial Services Company, Vice President and Assistant General Counsel
Kino Clark <sup>(k)</sup> (age 51)	Assistant Treasurer	January 2012	133	Massachusetts Financial Services Company, Vice President
John W. Clark, Jr. <sup>(k)</sup> (age 52)	Assistant Treasurer	April 2017	133	Massachusetts Financial Services Company, Vice President (since March 2017); Deutsche Bank (financial services), Department Head – Treasurer’s Office (until February 2017)
Thomas H. Connors <sup>(k)</sup> (age 60)	Assistant Secretary and Assistant Clerk	September 2012	133	Massachusetts Financial Services Company, Vice President and Senior Counsel
David L. DiLorenzo <sup>(k)</sup> (age 51)	President	July 2005	133	Massachusetts Financial Services Company, Senior Vice President
Heidi W. Hardin <sup>(k)</sup> (age 52)	Secretary and Clerk	April 2017	133	Massachusetts Financial Services Company, Executive Vice President and General Counsel (since March 2017); Harris Associates (investment management), General Counsel (from September 2015 to January 2017); Janus Capital Management LLC (investment management), Senior Vice President and General Counsel (until September 2015)
Brian E. Langenfeld <sup>(k)</sup> (age 46)	Assistant Secretary and Assistant Clerk	June 2006	133	Massachusetts Financial Services Company, Vice President and Senior Counsel
Amanda S. Mooradian <sup>(k)</sup> (age 40)	Assistant Secretary and Assistant Clerk	September 2018	133	Massachusetts Financial Services Company, Assistant Vice President and Counsel
Susan A. Pereira <sup>(k)</sup> (age 49)	Assistant Secretary and Assistant Clerk	July 2005	133	Massachusetts Financial Services Company, Vice President and Assistant General Counsel
Kasey L. Phillips <sup>(k)</sup> (age 49)	Assistant Treasurer	September 2012	133	Massachusetts Financial Services Company, Vice President
Matthew A. Stowe <sup>(k)</sup> (age 45)	Assistant Secretary and Assistant Clerk	October 2014	133	Massachusetts Financial Services Company, Vice President and Assistant General Counsel

*Trustees and Officers – continued*

<b>Name, Age</b>	<b>Position(s) Held with Fund</b>	<b>Trustee/Officer Since<sup>(h)</sup></b>	<b>Number of MFS Funds for which the Person is an Officer</b>	<b>Principal Occupations During the Past Five Years</b>
Martin J. Wolin <sup>(k)</sup> (age 52)	Chief Compliance Officer	July 2015	133	Massachusetts Financial Services Company, Senior Vice President and Chief Compliance Officer (since July 2015); Mercer (financial service provider), Chief Risk and Compliance Officer, North America and Latin America (until June 2015)
James O. Yost <sup>(k)</sup> (age 59)	Treasurer	September 1990	133	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 and Kilman) 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. 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)**

Joseph MacDougall

**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 Research 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 over the course of three months beginning in May and ending in July, 2019 (“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 the MFS Funds’ Independent Senior Officer, a senior officer appointed by and reporting 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, 2018 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, 2018, 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 3rd 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 2nd quintile for each of the one- and three-year periods ended December 31, 2018 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.

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.

*Board Review of Investment Advisory Agreement – continued*

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 higher than the Broadridge expense group median. The Trustees also noted that MFS has agreed to further reduce such expense limitation for the Fund effective August 1, 2019, which may not be changed without the Trustees' approval.

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 a contractual breakpoint that reduces the Fund's advisory fee rate on average daily net assets over \$1 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 breakpoint 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, effective January 3, 2018, MFS had discontinued its historic practice of obtaining investment research from portfolio brokerage commissions paid by certain MFS Funds and would thereafter directly pay for or voluntarily reimburse a Fund, if applicable, for the costs of external research acquired through the use of the Fund's portfolio brokerage commissions.

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, 2019.

## 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 website 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 selecting the "Resources" tab and clicking on "Prospectus and Reports".

## 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/en-us/what-we-do/announcements.html> or at [mfs.com/vit1](http://mfs.com/vit1) by choosing the fund's name.

## 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 \$67,087,000 as capital gain dividends paid during the fiscal year.

For corporate shareholders, 92.28% of the ordinary income dividends paid during the fiscal year qualify for the corporate dividends received deduction.

# 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> 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> 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> information about your transactions and experiences	No	We don't share
<b>For our affiliates' everyday business purposes –</b> 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.
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## 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.



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**Variable Product Funds**

70100 Ameriprise Financial Center  
Minneapolis, MN 55474

PRSRT STD  
U.S. POSTAGE  
**PAID**  
RIVERSOURCE  
LIFE INSURANCE  
COMPANY