

# MFS T a Re Se e

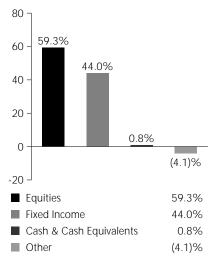
MFS<sup>\*</sup> Variable Ins rance Tr st

### **MFS® Total Return Series**

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### **PORTFOLIO COMPOSITION**

#### Portfolio structure (i)



#### Top ten holdings (i)

U.S. Treasury Note 5 yr Future - MAR 2024	3.1%
Goldman Sachs Group, Inc.	2.3%
JPMorgan Chase & Co.	2.1%
UMBS, 2.5%, 30 year (h)	1.9%
Charles Schwab Corp.	1.9%
Comcast Corp., "A"	1.8%
Microsoft Corp.	1.8%
Cigna Group	1.5%
Eaton Corp. PLC	1.5%
U.S. Treasury Notes, 0.375%, 11/30/2025	1.4%

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

1 3	
AAA	4.4%
AA	2.0%
Α	4.8%
BBB	7.8%
BB (o)	0.0%
(o) 000	0.0%
U.S. Government	7.9%
Federal Agencies	13.0%
Not Rated	4.1%
Non-Fixed Income	59.3%
Cash & Cash Equivalents	0.8%
Other	(4.1)%

#### GICS equity sectors (g)

Financials	15.7%
Industrials	9.2%
Health Care	7.9%
Information Technology	6.9%
Communication Services	4.8%
Consumer Staples	3.7%
Energy	3.6%
Utilities	2.8%
Consumer Discretionary	2.4%
Materials	2.3%

#### Fixed income sectors (i)

Mortgage-Backed Securities	13.0%
Investment Grade Corporates	12.4%
U.S. Treasury Securities	11.9%
Collateralized Debt Obligations	3.3%
Commercial Mortgage-Backed Securities	2.0%
Asset-Backed Securities	0.8%
Municipal Bonds	0.4%
Emerging Markets Bonds	0.1%
High Yield Corporates	0.1%
Non-U.S. Government Bonds (o)	0.0%
U.S. Government Agencies (o)	0.0%

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#### Portfolio Composition - continued

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#### Management Review - continued

#### **Contributors to Performance**

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Note to Shareholders: Effective January 20, 2023, Henry Peabody is no longer a Portfolio Manager of the fund.

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### **PERFORMANCE SUMMARY THROUGH 12/31/23**

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Performance data shown represents past performance and is no guarantee of future results. Investment return and principal value fluctuate so your shares, 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

### EXPENSE TABLE

### Fund expenses borne by the shareholders during the period, July 1, 2023 through December 31, 2023

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#### Actual Expenses

#### Hypothetical Example for Comparison Purposes

Share Class		Annualized Expense Ratio	Beginning Account Value 7/01/23	Ending Account Value 12/31/23	Expenses Paid During Period (p) 7/01/23-12/31/23
Initial Class	Actual	0.61%	\$1,000.00	\$1,058.32	\$3.16
Initial Class	Hypothetical (h)	0.61%	\$1,000.00	\$1,022.13	\$3.11
Comico Olaco	Actual	0.86%	\$1,000.00	\$1,057.37	\$4.46
Service Class	Hypothetical (h)	0.86%	\$1,000.00	\$1,020.87	\$4.38

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### **PORTFOLIO OF INVESTMENTS – 12/31/23**

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Issuer	Shares/Par		Value (\$)
Common Stocks – 58.5%			
Aerospace & Defense – 1.8%			
General Dynamics Corp.	33,985	\$	8,824,885
Honeywell International, Inc.	64,148		13,452,477
Howmet Aerospace, Inc.	97,715		5,288,336
L3Harris Technologies, Inc.	60,167		12,672,373
		\$	40,238,071
Alcoholic Beverages – 0.8%			
Constellation Brands, Inc., "A"	40,945	\$	9,898,454
Diageo PLC	217,566		7,920,274
		\$	17,818,728
Automotive – 1.9%			
Aptiv PLC (a)	186,573	\$	16,739,330
Lear Corp.	75,511		10,662,908
LKQ Corp.	286,981		13,714,822
		\$	41,117,060
Broadcasting – 0.9%			
Omnicom Group, Inc.	164,899	\$	14,265,413
Warner Bros. Discovery, Inc. (a)	540,869		6,155,089
		\$	20,420,502
Brokerage & Asset Managers – 2.9%			
Cboe Global Markets, Inc.	54,185	\$	9,675,274
Charles Schwab Corp.	594,960		40,933,248
CME Group, Inc.	36,678		7,724,387
Invesco Ltd.	261,538		4,665,838
		\$	62,998,747
Business Services – 2.3%			
Accenture PLC, "A"	36,163	\$	12,689,958
Amdocs Ltd.	91,567		8,047,824
Cognizant Technology Solutions Corp., "A"	108,548		8,198,630
Fidelity National Information Services, Inc. Fiserv, Inc. (a)	143,637 92,171		8,628,275 12,243,996
FISELV, IIIC. (d)	92,171	<u></u>	
		\$	49,808,683
Cable TV – 1.8%	001 200	¢	20.002.000
Comcast Corp., "A"	891,309	\$	39,083,900
Chemicals – 0.7%			
PPG Industries, Inc.	99,167	\$	14,830,425
Computer Software – 2.7%			
Dun & Bradstreet Holdings, Inc.	1,045,151	\$	12,228,267
Microsoft Corp.	103,848		39,051,002
Oracle Corp.	70,858		7,470,559
		\$	58,749,828

G5ldma80901 \$gal,529anks – 7.0% Issuer	Shares/Par	Value (\$)
Common Stocks – continued		
Machinery & Tools – 2.8%		
Eaton Corp. PLC	136,098	\$ 32,775,120
Ingersoll Rand, Inc.	172,892	13,371,467
Regal Rexnord Corp.	100,291	14,845,074
	5	60,991,661
Major Banks – 7.0%		
Bank of America Corp.	904,009	\$ 30,437,983

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Issuer	9	Shares/Par		Value (\$)
Common Stocks – continued				
Telecommunications - Wireless - 0.8%				
T-Mobile USA, Inc.		112,268	\$	17,999,928
Tobacco – 1.2%				
Altria Group, Inc.		144,591	\$	5,832,801
Philip Morris International, Inc.		214,364		20,167,365
			\$	26,000,166
Utilities - Electric Power – 2.8%				
Dominion Energy, Inc.		106,297	\$	4,995,959
Duke Energy Corp. Exelon Corp.		152,070 216,077		14,756,873 7,757,164
National Grid PLC		499,614		6,737,694
PG&E Corp.		793,750		14,311,313
Southern Co.		176,826		12,399,039
			\$	60,958,042
Total Common Stocks (Identified Cost, \$760,659,446)			\$1,	278,446,797
Bonds – 39.6%				
Aerospace & Defense – 0.1%				
BAE Systems PLC, 3.4%, 4/15/2030 (n)	\$	1,108,000	\$	1,022,369
Asset-Backed & Securitized – 6.0%				
ACRES 2021-FL2 Issuer Ltd., "AS", FLR, 7.226% ((SOFR - 1mo. + 0.11448%) + 1.75%), 1/15/2037 (n)	\$	1,851,500	\$	1,818,662
Allegro CLO Ltd., 2016-1A, "BR2", FLR, 7.205% ((SOFR - 3mo. + 0.26161%) + 1.55%), 1/15/2030 (n)		2,407,803		2,398,107
Arbor Realty Trust, Inc., CLO, 2021-FL1, "AS", FLR, 6.676% ((SOFR - 1mo. + 0.11448%) + 1.2%), 12/15/2035 (n)		2,115,000		2,063,553
Arbor Realty Trust, Inc., CLO, 2021-FL3, "B", FLR, 7.076% ((SOFR - 1mo. + 0.11448%) + 1.6%), 8/15/2034 (n) Arbor Realty Trust, Inc., CLO, 2022-FL1, "B", FLR, 7.446% (SOFR - 30 day + 2.1%), 1/15/2037 (n)		1,807,500 5,076,500		1,734,210 4,950,789
AREIT 2019-CRE3 Trust, "AS", FLR, 6.776% ((SOFR - 1mo. + 0.11448%) + 1.3%), 9/14/2036 (n)		2,670,329		2,642,245
AREIT 2022-CRE6 Trust, "B", FLR, 7.187% (SOFR - 30 day + 1.85%), 1/20/2037 (n)		3,088,500		2,992,970
ARI Fleet Lease Trust, 2023-B, "A2", 6.05%, 7/15/2032 (n)		478,070		483,381
Bain Capital Credit CLO Ltd., 2020-4A, "A1R", 7.165% (SOFR - 3mo. + 1.75%), 10/19/2036 (n)		3,189,862		3,195,192
Bayview Financial Revolving Mortgage Loan Trust, FLR, 7.071% ((SOFR - 1mo. + 0.11448%) + 1.6%), 12/28/2040 (n)		420,682		618,526
Benchmark 2023-V3 Mortgage Trust, "A3", 6.362%, 7/15/2056		134,138		140,526
Brazos Securitization LLC, 5.243%, 9/01/2040 (n) BSPRT 2021-FL6 Issuer Ltd., "AS", FLR, 6.776% ((SOFR - 1mo. + 0.11448%) + 1.3%), 3/15/2036 (n)		1,552,000		1,603,835 4,791,561
BSPRT 2021-FL7 Issuer Ltd., "B", FLR, 7.498% ((SOFR - 1mo. + 0.11448%) + 2.05%), 12/15/2038 (n)		4,964,000 849,500		831,485
BSPRT 2022-FL8 Issuer Ltd., "B", FLR, 7.396% (SOFR - 30 day + 2.05%), 2/15/2037 (n)		1,817,000		1,769,998
Business Jet Securities LLC, 2021-1A, "A", 2.162%, 4/15/2036 (n)		741,142		685,578
BXMT 2021-FL4 Ltd., "AS", FLR, 6.776% ((SOFR - 1mo. + 0.11448%) + 1.3%), 5/15/2038 (n)		5,214,000		4,825,626
CHCP 2021-FL1 Ltd., "AS", FLR, 6.773% ((SOFR - 1mo. + 0.11448%) + 1.3%), 2/15/2038 (n)		2,203,500		2,186,441
Chesapeake Funding II LLC, 2023-1A, "A1", 5.65%, 5/15/2035 (n)		1,995,328		2,000,581
Columbia Cent CLO 28 Ltd., "A-2-R", 7.342%, 11/07/2030 (n)		3,492,733		3,467,896
Commercial Mortgage Pass-Through Certificates, 2023-BNK46, "A4", 5.745%, 8/15/2056 Commercial Mortgage Trust, 2015-LC21, "A4", 3.708%, 7/10/2048		1,872,416 3,980,975		1,968,688 3,861,366
Consumers 2023 Securitization Funding LLC, 5.55%, 3/01/2028		1,340,000		1,345,220
Credit Acceptance Auto Loan Trust, 2021-3A, "B", 1.38%, 7/15/2030 (n)		1,118,000		1,080,992
Credit Acceptance Auto Loan Trust, 2023-3A, "A", 6.39%, 8/15/2033 (n)		546,000		553,680
CSAIL Commercial Mortgage Trust, 2015-C2, "A4", 3.504%, 6/15/2057		2,316,427		2,240,776
Cutwater 2015-1A Ltd., "AR", FLR, 6.875% ((SOFR - 3mo. + 0.26161%) + 1.22%), 1/15/2029 (n)		628,673		628,361
Dryden Senior Loan Fund, 2013-26A, "AR", CLO, FLR, 6.555% ((SOFR - 3mo. + 0.26161%) + 0.9%), 4/15/2029 (n)		1,540,583		1,538,741
Dryden Senior Loan Fund, 2018-55A, "A1", CLO, FLR, 6.675% ((SOFR - 3mo. + 0.26161%) + 1.02%), 4/15/2031 (n) Enterprise Fleet Financing LLC, 2023-3, "A2", 6.4%, 3/20/2030 (n)		4,265,873 1,326,000		4,259,073 1,355,335
		1.827.588		1.834 530
GLS Auto Select Receivables Trust, 2023-1A, "A2", 6.27%, 8/16/2027 (n) GLS Auto Select Receivables Trust, 2023-2A, 6.37%, 6/15/2028 (n)		1,827,588 379,000		1,834,530 382,258

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Portfolio of Investments – continued

lssuer	Shares/Par	Value (\$)
Bonds – continued		
Asset-Backed & Securitized – continued		
GS Mortgage Securities Trust, 2015-GC30, "A4", 3.382%, 5/10/2050	\$ 4,243,101 \$	4,096,678

GS Mortgage Securities Trust, 2015-GC30, "A4", 3.382%, 5/10/2050 JPMBB Commercial Mortgage Securities Trust, 2014-C26, "A4", 3.494%, 1/15/2048 JPMBB Commercial Mortgage Securities Trust, 2015-C28, "A4", 3.227%, 10/15/2048 Kubota Credit Owner Trust, 2023-2A, "A2", 5.61%, 7/15/2026 (n) LCCM 2021-FL2 Trust, "B", FLR, 7.376% ((SOFR - 1mo. + 0.11448%) + 1.9%), 12/13/2038 (n) LoanCore 2021-CRE5 Ltd., "AS", FLR, 7.178% ((SOFR - 1mo. + 0.11448%) + 1.75%), 7/15/2036 (n) MF1 2020-FL4 Ltd., "A", FLR, 7.176% ((SOFR - 1mo. + 0.11448%) + 1.2%), 7/15/2036 (n) MF1 2021-FL5 Ltd., "AS", FLR, 6.676% ((SOFR - 1mo. + 0.11448%) + 1.2%), 7/15/2036 (n) MF1 2022-FL8 Ltd., "B", FLR, 7.305% (SOFR - 30 day + 1.95%), 2/19/2037 (n) MidOcean Credit CLO, 2013-2A, "BR", FLR, 7.302% ((SOFR - 3mo. + 0.26161%) + 1.65%), 1/29/2030 (n) Morgan Stanley Bank of America Merrill Lynch Trust, 2017-C34, "A4", 3.536%, 11/15/2052 MSWF Commercial Mortgage Trust 2023-2, "A5", 6.014%, 12/15/2056 Neuberger Berman CLO Ltd., 2013-15A, "BR2", FLR, 7.005% ((SOFR - 3mo. + 0.26161%) + 1.35%), 10/15/2029 (n) Neuberger Berman CLO Ltd., 2013-15A, "BR2", FLR, 7.005% ((SOFR - 3mo. + 0.26161%) + 1.16%), 7/15/2034 (n) Oaktree CLO 2019-1A Ltd., "BR", FLR, 7.424% ((SOFR - 3mo. + 0.26161%) + 1.15%), 4/22/2030 (n) OneMain Financial Issuance Trust 2022-3A, "A", 5.94%, 5/15/2034 (n) ReadyCap Commercial Mortgage Trust, 2021-FL5, "A", FLR, 7.27% ((SOFR - 1mo. + 0.11448%) + 1%), 4/25/2038 (z) ReadyCap Commercial Mortgage Trust, 2021-FL7, "B", FLR, 7.27% ((SOFR - 1mo. + 0.11448%) + 1.8%), 11/25/2036 (z) Residential Funding Mortgage Securities, Inc., FGIC, 3.889%, 12/25/2035 (d)(q) Starwood Commercial Mortgage, 2022-FL3, "AS", FLR, 7.146% (SOFR - 30 day + 1.8%), 11/15/2038 (n) Toyota Lease Owner Trust, 2023-A, "AS", FLR, 7.146% (SOFR - 1mo. + 0.11448%) + 1.2%), 3/15/2038 (n) Yoya CLO 2012-4A Ltd., "AZR3", FLR, 7.105% ((SOFR - 3mo. + 0.26161%) + 1.45%), 10/15/2030 (n) Wells Fargo Commercial Mortgage Trust, 2015-C28, "A4", 3.54%, 5/15/2048	\$ 4,243,101 4,880,000 3,256,792 1,580,599 2,562,000 5,288,000 869,749 5,459,500 2,251,053 3,932,725 1,600,004 2,080,986 1,750,540 1,900,000 5,195,227 2,137,000 1,052,365 1,130,000 63,221 5,210,500 393,236 3,800,809 2,010,166 4,315,766	\$ 4,096,678 4,756,423 3,138,022 1,585,353 2,415,218 5,206,910 869,810 5,341,837 2,192,701 3,913,958 1,491,160 2,234,854 1,738,066 1,896,210 5,125,003 2,141,831 1,042,303 1,101,199 2,152 5,020,070 392,627 3,748,266 1,992,613 4,172,343 131,949,619
Automotive – 0.1%		
Lear Corp., 4.25%, 5/15/2029 Stellantis Finance US, Inc., 2.691%, 9/15/2031 (n)	\$ 656,000 2,944,000	\$ 631,161 2,463,157
		\$ 3,094,318
Broadcasting – 0.2%		 
WarnerMedia Holdings, Inc., 5.05%, 3/15/2042 WarnerMedia Holdings, Inc., 5.141%, 3/15/2052	\$ 2,979,000 1,692,000	\$ 2,626,229 1,452,338
		\$ 4,078,567
Brokerage & Asset Managers – 0.4%		
Charles Schwab Corp., 5.853% to 5/19/2033, FLR (SOFR - 1 day + 2.5%) to 5/19/2034 Intercontinental Exchange, Inc., 2.1%, 6/15/2030 LPL Holdings, Inc., 6.75%, 11/17/2028 LPL Holdings, Inc., 4.375%, 5/15/2031 (n)	\$ 3,736,000 2,155,000 355,000 2,714,000	 3,856,492 1,867,221 378,437 2,457,611
		\$ 8,559,761
Building – 0.2%		
Martin Marietta Materials, Inc., 2.5%, 3/15/2030 Masco Corp., 2%, 2/15/2031 Vulcan Materials Co., 3.5%, 6/01/2030	\$ 190,000 3,622,000 380,000	\$ 167,275 2,976,529 353,450 3,497,254
Business Services – 0.6%		
Equinix, Inc., 2.625%, 11/18/2024 Equinix, Inc., 1.8%, 7/15/2027 Equinix, Inc., 2.5%, 5/15/2031 Experian Finance PLC, 4.25%, 2/01/2029 (n) Fiserv, Inc., 2.65%, 6/01/2030 Global Payments, Inc., 2.9%, 11/15/2031	\$ 2,863,000 1,829,000 2,363,000 1,450,000 730,000 1,699,000	\$ 2,788,555 1,655,677 2,005,772 1,435,785 641,774 1,453,306

Issuer		Shares/Par		
Bonds – continued				
Business Services – continued				
Verisk Analytics, Inc., 4.125%, 3/15/2029 Verisk Analytics, Inc., 5.75%, 4/01/2033	\$	1,857,000 1,422,000	\$	1,811,507 1,525,213
			\$	13,317,589
Cable TV – 0.4%				
Charter Communications Operating LLC/Charter Communications Operating Capital Corp., 6.384%, 10/23/2035 Charter Communications Operating LLC/Charter Communications Operating Capital Corp., 3.5%, 6/01/2041 Charter Communications Operating LLC/Charter Communications Operating Capital Corp., 5.375%, 5/01/2047 Charter Communications Operating LLC/Charter Communications Operating Capital Corp., 5.25%, 4/01/2053 Cox Communications, Inc., 1.8%, 10/01/2030 (n) Time Warner Entertainment Co. LP, 8.375%, 7/15/2033	\$	1,053,000 2,122,000 430,000 1,734,000 1,333,000 2,526,000	\$	1,068,894 1,499,845 365,424 1,452,302 1,083,858 2,924,799
			\$	8,395,122
Chemicals – 0.1%				
RPM International, Inc., 2.95%, 1/15/2032	\$	1,427,000	\$	1,202,540
Computer Software – 0.1%				
Oracle Corp., 4.9%, 2/06/2033 Roper Technologies, Inc., 2%, 6/30/2030	\$	740,000 1,302,000	\$	736,633 1,105,253
			\$	1,841,886
Conglomerates – 0.1%				
Westinghouse Air Brake Technologies Corp., 3.2%, 6/15/2025 Westinghouse Air Brake Technologies Corp., 4.7%, 9/15/2028	\$	808,000 2,112,000	\$	781,091 2,088,456
			\$	2,869,547
Consumer Products – 0.1%				
Kenvue, Inc., 4.9%, 3/22/2033	\$	2,970,000	\$	3,061,446
Consumer Services – 0.1%				
Booking Holdings, Inc., 4.625%, 4/13/2030	\$	1,430,000	\$	1,440,700
Electrical Equipment – 0.1%				
Arrow Electronics, Inc., 2.95%, 2/15/2032	\$	2,690,000	\$	2,273,659
Electronics – 0.1%				

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Portfolio of Investments – continued

lssuer	Share	es/Par	Value (\$)
Bonds – continued			
Financial Institutions – continued			
Park Aerospace Holdings Ltd., 5.5%, 2/15/2024 (n)	\$ 63	39,000 \$	637,809
		\$	5 14,241,409
Food & Beverages – 0.3%			
Anheuser-Busch InBev S.A., 8%, 11/15/2039		50,000 \$	
Anheuser-Busch InBev Worldwide, Inc., 4.375%, 4/15/2038		37,000	698,915
Diageo Capital PLC, 2.375%, 10/24/2029 Keurig Dr Pepper, Inc., 3.2%, 5/01/2030		18,000 04,000	2,356,976 279,476
Red ig D1 (ppc), inc., 5.270, 5/01/2000		- \$	
Gaming & Lodging – 0.3%		Ψ	7,142,750
GLP Capital LP/GLP Financing II, Inc., 5.3%, 1/15/2029	\$ 1.5	93,000 \$	1,583,789
Las Vegas Sands Corp., 3.9%, 8/08/2029		33,000	721,462
Marriott International, Inc., 4.625%, 6/15/2030	1,9	79,000	1,943,362
Marriott International, Inc., 2.85%, 4/15/2031		7,000	6,058
Marriott International, Inc., 2.75%, 10/15/2033	1,60	_ 000,000	1,320,193
		\$	5,574,864
Insurance – 0.5%			
AIA Group Ltd., 3.375%, 4/07/2030 (n) Corebridge Financial, Inc., 3.9%, 4/05/2032		38,000 \$ 78,000	2,154,142 2,782,408
Corebridge Financial, Inc., 5.75%, 1/15/2032		37,000	1,264,418
Metropolitan Life Global Funding I, 3.3%, 3/21/2029 (n)		00,000	3,895,317
		\$	
Insurance - Health – 0.1%			
Humana, Inc., 5.875%, 3/01/2033	\$ 1,22	27,000 \$	1,307,114
Insurance - Property & Casualty – 0.4%			
Aon Corp., 4.5%, 12/15/2028		79,000 \$	
Aon Corp., 3.75%, 5/02/2029		93,000	1,810,774
Brown & Brown, Inc., 4.2%, 3/17/2032 Fairfax Financial Holdings Ltd., 5.625%, 8/16/2032		24,000 06,000	1,937,190 3,003,083
Liberty Mutual Group, Inc., 3.951%, 10/15/2050 (n)		37,000	821,502
	,-	\$	
International Market Quasi-Sovereign – 0.0%			
Electricite de France S.A., 6.9%, 5/23/2053 (n)	\$ 62	29,000 \$	711,343
Machinery & Tools – 0.3%			
Ashtead Capital, Inc., 5.5%, 8/11/2032 (n)	\$ 3,90	63,000 \$	3,914,749
CNH Industrial Capital LLC, 4.2%, 1/15/2024		79,000	1,677,707
		\$	5,592,456
Major Banks – 2.3%			
Bank of America Corp., 3.5%, 4/19/2026		61,000 \$	
Bank of America Corp., 2.572% to 10/20/2031, FLR (SOFR - 1 day + 1.21%) to 10/20/2032		52,000	2,861,956
Barclays PLC, 2.894% to 11/24/2031, FLR (CMT - 1yr. + 1.3%) to 11/24/2032		77,000	718,772
Barclays PLC, 7.437% to 11/02/2032, FLR (CMT - 1yr. + 3.5%) to 11/02/2033 Capital One Financial Corp., 3.75%, 3/09/2027		56,000 28,000	2,985,184 1,649,910
Capital One Financial Corp., 3.273% to 3/01/2029, FLR (SOFR - 1 day + 1.79%) to 3/01/2030		32,000	4,047,542
Deutsche Bank AG, 7.146% to 7/13/2026, FLR (SOFR - 1 day + 2.52%) to 7/13/2027		38,000	869,830
Deutsche Bank AG, 2.311% to 11/16/2026, FLR (SOFR - 1 day + 1.219%) to 11/16/2027		30,000	804,664
Deutsche Bank AG, 6.72% to 1/18/2028, FLR (SOFR - 1 day + 3.18%) to 1/18/2029		30,000	2,282,910
Goldman Sachs Group, Inc., 2.6%, 2/07/2030	2,2	58,000	1,984,198

Issuer	Shares/Par	Value (\$)
Bonds – continued		
Mortgage-Backed – continued		

lssuer	Shares/Par	Value (\$)
Bonds – continued		
Mortgage-Backed – continued		
Freddie Mac, 0.294%, 11/25/2032 (i)	\$ 8,299,181 \$	153,619
Freddie Mac, 5%, 9/01/2033 - 1/15/2040	817,644	830,582
Freddie Mac, 5.5%, 12/01/2033 - 2/01/2037	577,189	594,476
Freddie Mac, 6%, 4/01/2034 - 6/01/2037	745,511	777,251
Freddie Mac, 6.5%, 5/01/2034 - 7/01/2037 Freddie Mac, 5.5%, 2/15/2036 (i)	338,903	354,587

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Portfolio of Investments – continued

Issuer	Shares	/Par	Value (\$)
Bonds – continued			
Network & Telecom – 0.1%			
Verizon Communications, Inc., 3.15%, 3/22/2030		3,000 \$	962,453
Verizon Communications, Inc., 4.812%, 3/15/2039	1,87	·	1,814,720
01-0.00/		\$	2,777,173
Oils - 0.2%	¢ 0.00		2 470 705
Phillips 66 Co., 2.15%, 12/15/2030 Valero Energy Corp., 6.625%, 6/15/2037	\$ 2,934 2,124	1,000 \$ 1,000	2,470,785 2,328,235
		\$	4,799,020
Other Banks & Diversified Financials – 0.4%			
Macquarie Group Ltd., 4.442% to 6/21/2032, FLR (SOFR - 1 day + 2.405%) to 6/21/2033 (n)	\$ 5,88	1,000 \$	5,365,999
Northern Trust Corp., 6.125%, 11/02/2032	2,959	,000	3,177,475
		\$	8,543,474
Pollution Control – 0.3%			
Republic Services, Inc., 1.45%, 2/15/2031		1,000 \$	690,334
Waste Management, Inc., 4.875%, 2/15/2034	5,77		5,892,785
		\$	6,583,119
Real Estate - Office - 0.1%	¢ 1.01/		1 047 420
Boston Properties LP, REIT, 2.55%, 4/01/2032	\$ 1,316	5,000 \$	1,047,628
Real Estate - Other – 0.2%			
Public Storage Operating, REIT, 5.1%, 8/01/2033	\$ 4,289	9,000 \$	4,439,973
Real Estate - Retail – 0.1%			
Brixmor Operating Partnership LP, REIT, 4.125%, 5/15/2029		2,000 \$	163,684
Brixmor Operating Partnership LP, REIT, 4.05%, 7/01/2030 Realty Income Corp., REIT, 3.25%, 1/15/2031	1,68 48!	1,000 5,000	1,570,813 440,653
······································		\$	2,175,150
Retailers – 0.1%			
Alimentation Couche-Tard, Inc., 3.439%, 5/13/2041 (n)	\$ 2,100	5,000 \$	1,585,454
Specialty Stores – 0.1%			
Genuine Parts Co., 2.75%, 2/01/2032	\$ 3,528	3,000 \$	2,947,939
	¢ 0,020		2,711,707
Telecommunications - Wireless - 0.4%	¢ 0.5/1	- 000 ¢	2 420 2/0
Crown Castle, Inc., REIT, 3.65%, 9/01/2027 Rogers Communications, Inc., 3.8%, 3/15/2032	\$ 2,565 5,197	5,000 \$ 7.000	2,438,260 4,782,400
T-Mobile USA, Inc., 2.05%, 2/15/2028	1,892		1,707,132
Vodafone Group PLC, 5.625%, 2/10/2053	750	),000	756,235
		\$	9,684,027
Tobacco – 0.4%			
B.A.T. International Finance PLC, 4.448%, 3/16/2028		0,000 \$	4,700,950
Philip Morris International, Inc., 5.125%, 11/17/2027 Philip Morris International, Inc., 5.625%, 11/17/2029		9,000 1,000	884,482 392,179
Philip Morris International, Inc., 5.125%, 2/15/2030	1,404		1,426,913
Philip Morris International, Inc., 5.75%, 11/17/2032	1,653		1,734,759
		\$	9,139,283
Transportation - Services – 0.0%			
ERAC USA Finance LLC, 7%, 10/15/2037 (n)	\$ 75	7,000 \$	884,624

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#### Portfolio of Investments - continued

lssuer	Shares/Par		Value (\$)
Bonds – continued			
U.S. Government Agencies and Equivalents – 0.0%			
Small Business Administration, 4.77%, 4/01/2024	\$ 6,332	\$	6,302
Small Business Administration, 5.18%, 5/01/2024	8,356		8,314
Small Business Administration, 5.52%, 6/01/2024	402		401
Small Business Administration, 4.99%, 9/01/2024	16,776		16,654
Small Business Administration, 4.95%, 3/01/2025	1,035		1,032
Small Business Administration, 5.11%, 8/01/2025	105,019	_	104,052
U.S. Treasury Obligations – 7.8%		\$	136,755
U.S. Treasury Bonds, 1.75%, 8/15/2041	\$ 4,700,000	\$	3,268,703
U.S. Treasury Bonds, 2.375%, 2/15/2042	6,600,000	ψ	5,063,953
U.S. Treasury Bonds, 4%, 11/15/2042	6,000,000		5,831,016
U.S. Treasury Bonds, 2.875%, 5/15/2043	9,096,000		7,466,892
U.S. Treasury Bonds, 2.5%, 2/15/2045	9,797,000		7,418,549
U.S. Treasury Bonds, 3%, 11/15/2045	3,638,000		2,993,108
U.S. Treasury Bonds, 2.875%, 5/15/2049	900,000		715,148
U.S. Treasury Bonds, 2.375%, 11/15/2049 (f)	43,390,000		31,132,325
U.S. Treasury Bonds, 2.25%, 2/15/2052	7,800,000		5,406,984
U.S. Treasury Bonds, 4%, 11/15/2052	2,700,000		2,663,930
U.S. Treasury Bonds, 4.125%, 8/15/2053	5,100,000		5,154,984
U.S. Treasury Notes, 4.625%, 6/30/2025	10,400,000		10,424,781
U.S. Treasury Notes, 4.75%, 7/31/2025	15,900,000		15,972,047
U.S. Treasury Notes, 5%, 8/31/2025	7,200,000		7,266,375
U.S. Treasury Notes, 0.375%, 11/30/2025	33,750,000		31,341,357
U.S. Treasury Notes, 2.5%, 3/31/2027	29,500,000		28,194,395
		\$	170,314,547
Utilities - Electric Power – 0.9%			
American Electric Power Co., Inc., 5.95%, 11/01/2032	\$ 1,273,000	\$	1,358,711
American Transmission Systems, Inc., 2.65%, 1/15/2032 (n)	250,000		211,510
Duke Energy Carolinas LLC, 4.95%, 1/15/2033	3,995,000		4,068,988
Duke Energy Corp., 4.5%, 8/15/2032	3,023,000		2,926,115
Enel Finance International N.V., 6.8%, 10/14/2025 (n)	926,000		949,281
Enel Finance International N.V., 4.75%, 5/25/2047 (n)	392,000		341,010
Exelon Corp., 4.05%, 4/15/2030	1,632,000		1,556,873
Georgia Power Co., 3.7%, 1/30/2050	147,000		116,044
Jersey Central Power & Light Co., 4.3%, 1/15/2026 (n)	1,333,000		1,303,902
Jersey Central Power & Light Co., 2.75%, 3/01/2032 (n)	924,000		779,839
Oncor Electric Delivery Co. LLC, 5.75%, 3/15/2029	2,121,000		2,238,585
Pacific Gas & Electric Co., 2.1%, 8/01/2027	480,000		432,592
Pacific Gas & Electric Co., 3%, 6/15/2028	1,410,000		1,285,009
Pacific Gas & Electric Co., 2.5%, 2/01/2031	1,738,000		1,433,660
Pacific Gas & Electric Co., 3.3%, 8/01/2040	926,000		677,612
Xcel Energy, Inc., 3.4%, 6/01/2030	968,000		895,154
Utilities - Gas – 0.0%		\$	20,574,885
East Ohio Gas Co., 2%, 6/15/2030 (n)	\$ 1,135,000	\$	943,404
Total Bonds (Identified Cost, \$923,533,906)	÷ .,.00,000		865,934,209
Preferred Stocks – 0.8%			
Computer Software - Systems – 0.3%			
Samsung Electronics Co. Ltd.	114,746	\$	5,533,260

Issuer	Shares/Par	Value (\$)
Preferred Stocks – continued		
Consumer Products – 0.5%		
Henkel AG & Co. KGaA	140,252	\$ 11,281,003
Total Preferred Stocks (Identified Cost, \$15,975,433)		\$ 16,814,263
Investment Companies (h) – 1.2%		
Money Market Funds – 1.2%		
MFS Institutional Money Market Portfolio, 5.42% (v) (Identified Cost, \$25,145,020)	25,145,434	\$ 25,150,462
Other Assets, Less Liabilities – (0.1)%		(2,269,363)
Net Assets – 100.0%		\$ 2,184,076,368
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#### Derivative Contracts at 12/31/23 Futures Contracts

Description	Long/ Short	Currency	Contracts	Notional Amount	Expiration Date	Value/Unrealized Appreciation (Depreciation)
Asset Derivatives						
In ere Ra e F re						
U.S. Treasury Note 2 yr	Long	USD	117	\$24,091,945	March – 2024	\$247,175
U.S. Treasury Note 5 yr	Long	USD	617	67,113,211	March – 2024	1,541,867
U.S. Treasury Ultra Bond 30 yr	Long	USD	154	20,573,438	March – 2024	1,894,008
						\$3,683,050
Liability Derivatives						
<i>In ere Ra e F re</i> U.S. Treasury Ultra Note 10 yr	Short	USD	199	\$23,485,109	March – 2024	\$(1,051,832)

### FINANCIAL STATEMENTS | STATEMENT OF ASSETS AND LIABILITIES

### FINANCIAL STATEMENTS | STATEMENT OF OPERATIONS

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Year ended 12/31/23	
Net investment income (loss)	
Income Interest Dividends Dividends from affiliated issuers Other Income on securities loaned Foreign taxes withheld	\$34,538,180 30,208,764 1,354,085 124,092 38,881 (426,016
Total investment income	\$65,837,986
Expenses Management fee Distribution and/or service fees Shareholder servicing costs Administrative services fee Independent Trustees' compensation Custodian fee Shareholder communications Audit and tax fees Legal fees Miscellaneous	\$14,457,014 2,911,505 13,662 320,017 37,181 111,422 43,167 84,749 11,708 85,730
Total expenses	\$18,076,155
Reduction of expenses by investment adviser	(2,039,935
Net expenses	\$16,036,220
Net investment income (loss)	\$49,801,766
Realized and unrealized gain (loss)	
Realized gain (loss) (identified cost basis) Unaffiliated issuers Affiliated issuers Futures contracts Foreign currency	\$105,807,421 1,000 (3,365,123 2,372
Net realized gain (loss)	\$102,445,670
Change in unrealized appreciation or depreciation Unaffiliated issuers Affiliated issuers Futures contracts Translation of assets and liabilities in foreign currencies	\$54,701,320 (2,573 3,106,931 34,581
Net unrealized gain (loss)	\$57,840,259
Net realized and unrealized gain (loss)	\$160,285,929
Change in net assets from operations	\$210,087,695

#### See Notes to Financial Statements

### FINANCIAL STATEMENTS

### FINANCIAL STATEMENTS | FINANCIAL HIGHLIGHTS

Initial Class	Year ended					
	12/31/23	12/31/22	12/31/21	12/31/20	12/31/19	
Net asset value, beginning of period	\$22.49	\$27.78	\$26.02	\$24.90	\$21.78	
Income (loss) from investment operations						
Net investment income (loss) (d)	\$0.55	\$0.45	\$0.39	\$0.47	\$0.52	
Net realized and unrealized gain (loss)	1.69	(3.10)	3.24	1.88	3.83	
Total from investment operations	\$2.24	\$(2.65)	\$3.63	\$2.35	\$4.35	
Less distributions declared to shareholders						
From net investment income	\$(0.48)	\$(0.44)	\$(0.51)	\$(0.57)	\$(0.58)	
From net realized gain	(0.99)	(2.20)	(1.36)	(0.66)	(0.65)	
Total distributions declared to shareholders	\$(1.47)	\$(2.64)	\$(1.87)	\$(1.23)	\$(1.23)	
Net asset value, end of period (x)	\$23.26	\$22.49	\$27.78	\$26.02	\$24.90	
Total return (%) (k)(r)(s)(x)	10.44	(9.58)	14.12	9.81	20.38	
Ratios (%) (to average net assets)						
and Supplemental data:						
Expenses before expense reductions	0.71	0.71	0.70	0.71	0.70	
Expenses after expense reductions	0.61	0.61	0.61	0.61	0.62	
Net investment income (loss)	2.45	1.84	1.43	1.95	2.18	
Portfolio turnover	38	67	98	84	42	
Net assets at end of period (000 omitted)	\$1,000,723	\$1,001,860	\$1,274,331	\$1,219,438	\$1,223,166	

Serv2F/e-319.6(C)IS1000005150000051500000515000005538.8004TIS10m5384638.8.4813315.8929639.2976Tm.00001Tc(12/31/23)-2222.8(12/31/22)-2222.8 Total ret0(lue)36.9(,)-239(beginning)-275.9(of)-275.9(period)-19620.1(\$)0(22.49)-3345(\$27.78)-3345(\$26.02)-3345(\$24.90)-3345(\$)0(21.78)TJ/F71Tf0-2.1111

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#### Financial Highlights - continued

#### See Notes to Financial Statements

### **NOTES TO FINANCIAL STATEMENTS**

#### (1) Business and Organization

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(2) Significant Accounting Policies

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#### Notes to Financial Statements - continued

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		Year ended 12/31/23	Year ended 12/31/22
	Ordinary income (including any short-term capital gains)	\$41,248,649	\$50,184,261
	Long-term capital gains	92,374,570	186,102,882
	Total distributions	\$133,623,219	\$236,287,143
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Notes to Financial Statements - continued

As	of	12/31/23	

Cost of investments	\$1,743,934,064
Gross appreciation	543,024,194
Gross depreciation	(97,981,309)
Net unrealized appreciation (depreciation)	\$445,042,885
Undistributed ordinary income	52,307,287
Undistributed long-term capital gain	104,280,554
Other temporary differences	33,902
Total distributable earnings (loss)	\$601,664,628

Multiple	Classes of a	Shares of Benet	ficial Interest		.1111	Ω	, n n	-lù	Ł
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·	Year ended _12/31/23_	Year ended 12/31/22
Initial Class	\$61,608,118	\$109,061,121
Service Class	72,015,101	127,226,022
Total	\$133,623,219	\$236,287,143

#### (3) Transactions with Affiliates

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

 
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2021, <u>in</u>1 (2021,) <u>i</u>2 .7. ( ) <u>n</u>277-<u>i</u>1 ( )0 2021, , 0.

		Year ended 12/31/23		ended 31/22
	Shares	Amount	Shares	Amount
Shares reacquired				
Initial Class	(5,328,147)	\$(120,472,432)	(7,347,668)	\$(180,956,671)
Service Class	(8,448,565)	(186,614,262)	(7,768,222)	(186,125,832)
	(13,776,712)	\$(307,086,694)	(15,115,890)	\$(367,082,503)
Net change				
Initial Class	(1,534,222)	\$(37,261,850)	(1,313,661)	\$(42,988,598)
Service Class	(1,563,812)	(36,821,456)	1,962,900	37,127,836
	(3,098,034)	\$(74,083,306)	649,239	\$(5,860,762)

#### (6) Line of Credit

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ં માં ગુર્વા માં ગુર્વા માં આવ્યું છે. તે માં ગુરુવા માં આવ્યું છે. તે માં આવ્યું છે	L. K. L	
		_ր 31, 2023, _ր
ં કુર કર	\$11,26   \$0, <b>.</b> [   ,	ı. II. 10
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#### (7) Investments in Affiliated Issuers

		ոութը.	5%	
<b>^</b>	1, n.	-lù	Ln ".	

					Change in Unrealized	
				Realized	Appreciation	
	Beginning		Sales	Gain	or	Ending
Affiliated Issuers	Value	Purchases	Proceeds	(Loss)	Depreciation	Value

### **REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

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#### Basis for Opinion

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#### Trustees and Officers - continued

Name, Age	Position(s) Held with Fund	Trustee/Officer Since <sup>(h)</sup>	Number of MFS Funds for which the Person is an Officer	Principal Occupations During the Past Five Years	
John W. Clark, Jr. <sup>(k)</sup> (age 56)	Assistant Treasurer	April 2017	136	Massachusetts Financial Services Company, Vice President	
David L. DiLorenzo <sup>(k)</sup> (age 55)	President	July 2005	136	Massachusetts Financial Services Company, Senior Vice President	
Heidi W. Hardin <sup>(k)</sup> (age 56)	Secretary and Clerk	April 2017	136	Massachusetts Financial Services Company, Executive Vice President and General Counsel	
Brian E. Langenfeld <sup>(k)</sup> (age 50)	Assistant Secretary and Assistant Clerk	June 2006	136	Massachusetts Financial Services Company, Vice President and Managing Counsel	
Rosa E. Licea-Mailloux <sup>(k)</sup> (age 47)	Chief Compliance Officer	March 2022	136	Massachusetts Financial Services Company, Vice President (since 2018); Director of Corporate Compliance (2018-2021), Senior Director Compliance (2021-2022), Senior Managing Director of North American Compliance & Chief Compliance Officer (since March 2022)	
Amanda S. Mooradian <sup>(k)</sup> (age 44)	Assistant Secretary and Assistant Clerk	September 2018	136	Massachusetts Financial Services Company, Assistant Vice President and Senior Counsel	
Susan A. Pereira <sup>(k)</sup> (age 53)	Assistant Secretary and Assistant Clerk	July 2005	136	Massachusetts Financial Services Company, Vice President and Managing Counsel	
Kasey L. Phillips <sup>(k)</sup> (age 53)	Assistant Treasurer	September 2012	136	Massachusetts Financial Services Company, Vice President	
Matthew A. Stowe <sup>(k)</sup> (age 49)	Assistant Secretary and Assistant Clerk	October 2014	136	Massachusetts Financial Services Company, Vice President and Senior Managing Counsel	
William B. Wilson <sup>(k)</sup> (age 41)	Assistant Secretary and Assistant Clerk	October 2022	136	Massachusetts Financial Services Company, Assistant Vice President and Senior Counsel	
James O. Yost <sup>(k)</sup> (age 63)	Treasurer	September 1990	136	Massachusetts Financial Services Company, Senior Vice President	
(n) <b>j j j j j</b> 2012 jn n () <b>j</b> n <b>j j</b>	. <b>j ∠</b> ● 2016, ∩	1	∩. L(∩ L(. ▼L(. ,	، ا علو ال علو عل ۱۰ , • عل • عل ۱۰ , علو ۱۰ , (, ۰ ۱۰ ).	
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#### Investment Adviser

۲۰ <u>الز</u>ار '. 111 <u>از</u>ار از از (۲۰۵۷ -761 Custodian

### **BOARD REVIEW OF INVESTMENT ADVISORY AGREEMENT**

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#### PROXY VOTING POLICIES AND INFORMATION

#### QUARTERLY PORTFOLIO DISCLOSURE

#### FURTHER INFORMATION

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## FACTS WHAT DOES MFS DO WITH YOUR PERSONAL INFORMATION?

Why?	, י ה ה בן ה י בני, יי בנ בני ה ה ה ה ה ה ה ה ה ה ה ה בנ בני ה ה יי בנ בני ה יי בנ בני ה בני ג יי בנ ה בני ה
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Re	asons we can share your Does MFS share? Can you limit personal information this sharing?

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For our marketing purposes – L L L		′_1(∩
For joint marketing with other financial companies		` <b>ئ</b> ∩

