

MFS INTERMEDIATE HIGH INCOME FUND

Form N-CSRS

July 30, 2013

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF
REGISTERED MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-5567

MFS INTERMEDIATE HIGH INCOME FUND

(Exact name of registrant as specified in charter)

111 Huntington Avenue, Boston, Massachusetts 02199

(Address of principal executive offices) (Zip code)

Susan S. Newton

Massachusetts Financial Services Company

111 Huntington Avenue

Boston, Massachusetts 02199

(Name and address of agents for service)

Registrant's telephone number, including area code: (617) 954-5000

Date of fiscal year end: November 30

Date of reporting period: May 31, 2013

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ITEM 1. REPORTS TO STOCKHOLDERS.

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SEMIANNUAL REPORT

May 31, 2013

MFS® INTERMEDIATE HIGH INCOME FUND

CIH-SEM

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MFS® INTERMEDIATE HIGH INCOME FUND

New York Stock Exchange Symbol: **CIF**

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NOT FDIC INSURED MAY LOSE VALUE NO BANK GUARANTEE

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LETTER FROM THE CHAIRMAN AND CEO

Dear Shareholders:

With the year almost half over, the global economy continues to grind forward slowly, weighed down by various austerity measures. The U.S. economy remains a steady

force with resilient consumers, who took the payroll tax increase in stride and did not seem fazed by the sequestration's early impact. The U.S. housing market recovery remains robust. With U.S. consumer sentiment rising to multi-year highs, the country's economic outlook remains positive, except for an anticipated mid-year sequestration-related slowdown. However, market volatility has been heightened, with renewed expectations of a shift in U.S. Federal Reserve policy and a tapering of its monthly bond-buying program.

Japan has been another bright spot, with signs of a turnaround prompted by Abenomics, the stimulus policies of Prime

Minister Shinzo Abe. Consumer and business sentiment have risen, along with prospects for exporters, who gain as a devalued yen means less expensive products overseas and boosted sales. The Japanese stock market advanced more than 30% from January through May. However, doubts remain over whether Abenomics will succeed in lifting Japan out of its long-term deflationary slump. The major deterrent to global growth remains the eurozone's chronic contraction, which has weighed on that 17-member region. China has seen its factory activity decelerate, which is worrisome news for the country's trading partners.

As always, managing risk in the face of uncertainty remains a top priority for investors. At MFS®, our uniquely collaborative investment process employs integrated, global research and active risk management. Our global team of investment professionals shares ideas and evaluates opportunities across continents, investment disciplines and asset classes—all with a goal of building better insights, and ultimately better results, for our clients.

We are mindful of the many economic challenges investors face, and believe it is more important than ever to maintain a long-term view and employ time-tested principles, such as asset allocation and diversification. We remain confident that our unique approach can serve investors well as they work with their financial advisors to identify and pursue the most suitable opportunities.

Respectfully,

Robert J. Manning

Chairman and Chief Executive Officer

MFS Investment Management®

July 17, 2013

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

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Energy Independent	10.9%
Broadcasting	7.4%
Medical & Health Technology & Services	6.5%
Wireless Communications	5.7%
Cable TV	5.1%

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

BBB	5.5%
BB	49.0%
B	55.5%
CCC	17.2%
C	0.1%
Not Rated	1.4%
Non-Fixed Income	1.9%
Cash & Other	(30.6)%

Portfolio facts (i)

Average Duration (d)	5.0
Average Effective Maturity (m)	6.9 yrs.

- (a) For all securities other than those specifically described below, ratings are assigned to underlying securities utilizing ratings from Moody's, Fitch, and Standard & Poor's rating agencies and applying the following hierarchy: If all three agencies provide a rating, the middle rating (after dropping the highest and lowest ratings) is assigned; if two of the three agencies rate a security, the lower of the two is assigned. Ratings are shown in the S&P and Fitch scale (e.g., AAA). Securities rated BBB or higher are considered investment grade. All ratings are subject to change. Not Rated includes fixed income securities, including fixed income futures contracts, which have not been rated by any rating agency. Non-Fixed Income includes equity securities (including convertible bonds and equity derivatives) and commodities. Cash & Other includes cash, other assets less liabilities, offsets to derivative positions, and short-term securities. The fund may not hold all of these instruments. The fund is not rated by these agencies.

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Portfolio Composition continued

- (d) Duration is a measure of how much a bond's price is likely to fluctuate with general changes in interest rates, e.g., if rates rise 1.00%, a bond with a 5-year duration is likely to lose about 5.00% of its value due to the interest rate move.
 - (i) For purposes of this presentation, the components include the market value of securities, and reflect the impact of the equivalent exposure of derivative positions, if any. These amounts may be negative from time to time. The bond component will include any accrued interest amounts. Equivalent exposure is a calculated amount that translates the derivative position into a reasonable approximation of the amount of the underlying asset that the portfolio would have to hold at a given point in time to have the same price sensitivity that results from the portfolio's ownership of the derivative contract. When dealing with derivatives, equivalent exposure is a more representative measure of the potential impact of a position on portfolio performance than market value. Where the fund holds convertible bonds, these are treated as part of the equity portion of the portfolio.
 - (m) In determining an instrument's effective maturity for purposes of calculating the fund's dollar-weighted average effective maturity, MFS uses the instrument's stated maturity or, if applicable, an earlier date on which MFS believes it is probable that a maturity-shortening device (such as a put, pre-refunding or prepayment) will cause the instrument to be repaid. Such an earlier date can be substantially shorter than the instrument's stated maturity.
- From time to time Cash & Other Net Assets may be negative due to borrowings for leverage transactions, timing of cash receipts, and/or equivalent exposure from any derivative holdings.

Percentages are based on net assets as of 5/31/13.

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

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PORTFOLIO MANAGERS PROFILES

William Adams Investment Officer of MFS; employed in the investment management area of MFS since 2009.

David Cole Portfolio Manager of the Fund since May 2011.

Investment Officer of MFS; employed in the investment management area of MFS since 2004.

Portfolio Manager of the Fund since June 2007.

OTHER NOTES

The fund's shares may trade at a discount or premium to net asset value. Shareholders do not have the right to cause the fund to repurchase their shares at net asset value. When fund shares trade at a premium, buyers pay more than the net asset value of underlying fund shares, and shares purchased at a premium would receive less than the amount paid for them in the event of the fund's liquidation. As a result, the total return that is calculated based on the net asset value and New York Stock Exchange price can be different.

The fund's monthly distributions may include a return of capital to shareholders to the extent that distributions are in excess of the fund's net investment income and net capital gains, determined in accordance with federal income tax regulations. Distributions that are treated for federal income tax purposes as a return of capital will reduce each shareholder's basis in his or her shares and, to the extent the return of capital exceeds such basis, will be treated as gain to the shareholder from a sale of shares. Returns of shareholder capital have the effect of reducing the fund's assets and increasing the fund's expense ratio.

In accordance with Section 23(c) of the Investment Company Act of 1940, the fund hereby gives notice that it may from time to time repurchase shares of the fund in the open market at the option of the Board of Trustees and on such terms as the Trustees shall determine.

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5/31/13 (unaudited)

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

Bonds - 123.3%		
Issuer	Shares/Par	Value (\$)
Aerospace - 3.0%		
Bombardier, Inc., 4.25%, 2016 (n)	\$ 53,000	\$ 54,855
Bombardier, Inc., 7.5%, 2018 (n)	405,000	463,725
Bombardier, Inc., 7.75%, 2020 (n)	135,000	157,950
CPI International, Inc., 8%, 2018	250,000	264,375
Heckler & Koch GmbH, 9.5%, 2018 (z)	EUR 215,000	251,500
Huntington Ingalls Industries, Inc., 7.125%, 2021	\$ 370,000	406,075
Kratos Defense & Security Solutions, Inc., 10%, 2017	390,000	425,100
		\$ 2,023,580
Apparel Manufacturers - 1.4%		
Hanesbrands, Inc., 6.375%, 2020	\$ 165,000	\$ 181,913
Jones Group, Inc., 6.875%, 2019	240,000	256,500
PVH Corp., 7.375%, 2020	335,000	371,013
PVH Corp., 4.5%, 2022	145,000	144,638
		\$ 954,064
Asset-Backed & Securitized - 0.5%		
Banc of America Commercial Mortgage, Inc., FRN, 6.248%, 2051 (z)	\$ 450,000	\$ 199,431
Citigroup Commercial Mortgage Trust, FRN, 5.696%, 2049	275,000	44,158
G-Force LLC, CDO, A2, 4.83%, 2036 (z)	72,942	73,307
JPMorgan Chase Commercial Mortgage Securities Corp., C, FRN, 6.001%, 2051	155,000	38,963
		\$ 355,859
Automotive - 4.8%		
Accuride Corp., 9.5%, 2018	\$ 335,000	\$ 349,233
Allison Transmission, Inc., 7.125%, 2019 (n)	355,000	381,625
Delphi Corp., 5%, 2023	165,000	175,106
Ford Motor Credit Co. LLC, 12%, 2015	287,000	343,298
Ford Motor Credit Co. LLC, 8.125%, 2020	100,000	126,003
General Motors Financial Co., Inc., 4.75%, 2017 (n)	75,000	79,125
General Motors Financial Co., Inc., 6.75%, 2018	215,000	245,100
General Motors Financial Co., Inc., 4.25%, 2023 (z)	90,000	87,750
Goodyear Tire & Rubber Co., 8.25%, 2020	45,000	50,119
Goodyear Tire & Rubber Co., 6.5%, 2021	300,000	315,750
Goodyear Tire & Rubber Co., 7%, 2022	85,000	91,588
Jaguar Land Rover PLC, 7.75%, 2018 (n)	150,000	163,500
Jaguar Land Rover PLC, 8.125%, 2021 (n)	345,000	388,988
Jaguar Land Rover PLC, 5.625%, 2023 (n)	150,000	153,375

Table of Contents*Portfolio of Investments (unaudited) continued*

Issuer	Shares/Par	Value (\$)
Bonds - continued		
Automotive - continued		
Lear Corp., 8.125%, 2020	\$ 152,000	\$ 168,720
Lear Corp., 4.75%, 2023 (n)	65,000	64,025
LKQ Corp., 4.75%, 2023 (z)	35,000	34,913
		\$ 3,218,218
Broadcasting - 7.2%		
Allbritton Communications Co., 8%, 2018	\$ 175,000	\$ 189,000
AMC Networks, Inc., 7.75%, 2021	311,000	352,200
Clear Channel Communications, Inc., 9%, 2021	253,000	251,103
Clear Channel Worldwide Holdings, Inc., 6.5%, 2022 (n)	45,000	47,250
Clear Channel Worldwide Holdings, Inc., 6.5%, 2022 (n)	205,000	216,275
Clear Channel Worldwide Holdings, Inc., A, 7.625%, 2020	10,000	10,575
Clear Channel Worldwide Holdings, Inc., B, 7.625%, 2020	185,000	196,563
Hughes Network Systems LLC, 7.625%, 2021	215,000	240,263
IAC/InterActiveCorp, 4.75%, 2022 (n)	65,000	63,863
Inmarsat Finance PLC, 7.375%, 2017 (n)	165,000	173,250
Intelsat Bermuda Ltd., 11.25%, 2017	240,000	253,920
Intelsat Jackson Holdings S.A., 6.625%, 2022 (z)	215,000	223,869
Intelsat Jackson Holdings S.A., 6.625%, 2022 (n)	80,000	83,300
Intelsat S.A., 8.125%, 2023 (z)	145,000	155,150
LBI Media, Inc., 13.5% to 2015, 11.5% to 2020 (p)(z)	98,295	39,318
Liberty Media Corp., 8.5%, 2029	250,000	277,500
Liberty Media Corp., 8.25%, 2030	10,000	11,000
Local TV Finance LLC, 9.25%, 2015 (p)(z)	258,809	258,809
Netflix, Inc., 5.375%, 2021 (n)	205,000	208,075
Nexstar Broadcasting Group, Inc., 8.875%, 2017	80,000	87,000
Nexstar Broadcasting Group, Inc., 6.875%, 2020 (n)	65,000	69,225
Sinclair Broadcast Group, Inc., 9.25%, 2017 (n)	125,000	133,750
Sinclair Broadcast Group, Inc., 8.375%, 2018	40,000	44,200
SIRIUS XM Radio, Inc., 8.75%, 2015 (n)	220,000	244,750
SIRIUS XM Radio, Inc., 7.625%, 2018 (n)	235,000	258,500
SIRIUS XM Radio, Inc., 4.25%, 2020 (z)	55,000	53,900
SIRIUS XM Radio, Inc., 5.25%, 2022 (n)	35,000	35,963
Univision Communications, Inc., 6.875%, 2019 (n)	280,000	297,500
Univision Communications, Inc., 7.875%, 2020 (n)	150,000	164,250
Univision Communications, Inc., 8.5%, 2021 (n)	135,000	146,138
		\$ 4,786,459
Brokerage & Asset Managers - 0.8%		
E*TRADE Financial Corp., 6.375%, 2019	\$ 485,000	\$ 509,250
Building - 2.9%		
ABC Supply Co., Inc., 5.625%, 2021 (z)	\$ 45,000	\$ 45,563
Boise Cascade Co., 6.375%, 2020	125,000	134,063

Table of Contents*Portfolio of Investments (unaudited) continued*

Issuer	Shares/Par	Value (\$)
Bonds - continued		
Building - continued		
Building Materials Holding Corp., 6.875%, 2018 (n)	\$ 240,000	\$ 256,200
Building Materials Holding Corp., 7%, 2020 (n)	115,000	123,050
Building Materials Holding Corp., 6.75%, 2021 (n)	100,000	108,250
CEMEX S.A.B. de C.V., 9.25%, 2020	95,000	101,888
HD Supply, Inc., 8.125%, 2019	115,000	127,650
HD Supply, Inc., 11.5%, 2020	160,000	188,000
HD Supply, Inc., 10.5%, 2021	15,000	15,563
Nortek, Inc., 8.5%, 2021	290,000	317,550
Roofing Supply Group LLC/Roofing Supply Finance, Inc., 10%, 2020 (n)	80,000	89,000
USG Corp., 6.3%, 2016	304,000	321,480
USG Corp., 7.875%, 2020 (n)	110,000	123,681
		\$ 1,951,938
Business Services - 2.0%		
Equinix, Inc., 4.875%, 2020	\$ 120,000	\$ 122,100
Fidelity National Information Services, Inc., 5%, 2022	170,000	181,900
iGate Corp., 9%, 2016	319,000	342,925
Iron Mountain, Inc., 8.375%, 2021	340,000	369,325
Legend Acquisition Sub, Inc., 10.75%, 2020 (n)	140,000	119,000
Neustar, Inc., 4.5%, 2023 (n)		