

MFS CALIFORNIA MUNICIPAL FUND

Form N-CSRS

July 20, 2018

[Table of Contents](#)

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 811-09537

MFS CALIFORNIA MUNICIPAL FUND

(Exact name of registrant as specified in charter)

111 Huntington Avenue, Boston, Massachusetts 02199

(Address of principal executive offices) (Zip code)

Christopher R. Bohane

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, 2018

Table of Contents

ITEM 1. REPORTS TO STOCKHOLDERS.

Table of Contents

Semiannual Report

May 31, 2018

MFS® California Municipal Fund

CCA-SEM

Table of Contents

MFS® California Municipal Fund

NYSE American Symbol: CCA

<u>Letter from the Executive Chairman</u>	1
<u>Portfolio composition</u>	2
<u>Portfolio managers' profiles</u>	4
<u>Other notes</u>	4
<u>Portfolio of investments</u>	5
<u>Statement of assets and liabilities</u>	16
<u>Statement of operations</u>	17
<u>Statements of changes in net assets</u>	18
<u>Statement of cash flows</u>	19
<u>Financial highlights</u>	20
<u>Notes to financial statements</u>	22
<u>Report of independent registered public accounting firm</u>	33
<u>Proxy voting policies and information</u>	34
<u>Quarterly portfolio disclosure</u>	34
<u>Further information</u>	34
<u>Information about fund contracts and legal claims</u>	35
<u>Contact information</u> back cover	

NOT FDIC INSURED MAY LOSE VALUE NO BANK GUARANTEE

Table of Contents

LETTER FROM THE EXECUTIVE CHAIRMAN

Dear Shareholders:

Rising bond yields, international trade friction and geopolitical uncertainty have contributed to a measurable uptick in market volatility a departure from the

low-volatility environment that prevailed for much of 2017. In recent months, against this backdrop, global markets have given back some of the strong gains recorded during 2017 and early 2018. Global economic growth remains healthy, notwithstanding signs of a modest slowdown over the past few months, particularly in Europe.

Although the U.S. Federal Reserve continues to gradually raise interest rates and shrink its balance sheet, monetary policy remains accommodative around the world, with many central banks taking only tentative steps toward tighter policies. Newly

enacted U.S. tax reforms have been welcomed by equity markets, while emerging market economies have benefited from the solid macroeconomic backdrop.

Around the world, inflation remains largely subdued, but tight labor markets and solid global demand have investors on the lookout for its potential resurgence. Increased U.S. protectionism is also a growing concern, as investors fear that trade disputes could disrupt the synchronized rise in global growth.

As a global investment manager, MFS® strives to create long-term value and protect capital for clients through an active approach and an investment platform built on nearly a century of expertise. To make that long-term value meaningful for clients, we work to align with you on our beliefs, your needs and the time it takes to deliver on your desired outcomes.

Respectfully,

Robert J. Manning

Executive Chairman

MFS Investment Management

July 16, 2018

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

Table of Contents**PORTFOLIO COMPOSITION****Portfolio structure (i)(j)****Top five industries (i)**

General Obligations Schools	38.5%
Healthcare Revenue Hospitals	27.1%
State & Local Agencies	15.6%
Water & Sewer Utility Revenue	10.5%
U.S. Treasury Securities (j)	(10.1)%

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

AAA	3.4%
AA	67.2%
A	45.8%
BBB	29.4%
BB	1.1%
B	5.1%
CC	0.7%
C	2.6%
D	1.1%
Not Rated (j)	3.3%
Cash & Cash Equivalents (Less Liabilities)	(69.8)%
Other	10.1%

Portfolio facts (i)

Average Duration (d)	9.2
Average Effective Maturity (m)	15.5 yrs.

Jurisdiction (i)

California	161.2%
Puerto Rico	5.4%
New York	1.8%
Guam	1.4%
U.S. Treasury Securities (j)	(10.1)%

- (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 and fixed income derivatives, which have not been rated by any rating agency. The fund may or may not have held all of these instruments on this date. The fund is not rated by these agencies.

Table of Contents

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. This calculation is based on net assets applicable to common shares as of May 31, 2018.
 - (i) For purposes of this presentation, the components include the value of securities, and reflect the impact of the equivalent exposure of derivative positions, if any. These amounts may be negative from time to time. Equivalent exposure is a calculated amount that translates the derivative position into a reasonable approximation of the amount of the underlying asset that the portfolio would have to hold at a given point in time to have the same price sensitivity that results from the portfolio's ownership of the derivative contract. When dealing with derivatives, equivalent exposure is a more representative measure of the potential impact of a position on portfolio performance than value. The bond component will include any accrued interest amounts.
 - (j) For the purpose of managing the fund's duration, the fund holds short treasury futures with a bond equivalent exposure of (10.1)%, which reduce the fund's interest rate exposure but not its credit exposure.
 - (m) In determining each 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. This calculation is based on gross assets, which consists of net assets applicable to common shares plus the value of preferred shares, as of May 31, 2018.
- Where the fund holds convertible bonds, they are treated as part of the equity portion of the portfolio.

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

Cash & Cash Equivalents is negative due to the aggregate liquidation value of variable rate municipal term preferred shares.

Other includes equivalent exposure from currency derivatives and/or any offsets to derivative positions.

Percentages are based on net assets applicable to common shares as of May 31, 2018.

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

Table of Contents

PORTFOLIO MANAGERS PROFILES

Portfolio Manager	Primary Role	Since	Title and Five Year History
Michael Dawson	Portfolio Manager	2007	Investment Officer of MFS; employed in the investment management area of MFS since 1998.
Geoffrey Schechter	Portfolio Manager	2007	Investment Officer of MFS; employed in the investment management area of MFS since 1993.

OTHER NOTES

The fund's shares may trade at a discount or premium to net asset value. When fund shares trade at a premium, buyers pay more than the net asset value 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 concurrent liquidation.

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 may 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 common and/or preferred 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.

Table of Contents**PORTFOLIO OF INVESTMENTS**

5/31/18 (unaudited)

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

Municipal Bonds - 167.9%

Issuer	Shares/Par	Value (\$)
Airport Revenue - 8.8%		
Orange County, CA, Airport Rev., A, 5%, 7/01/2031	\$ 190,000	\$ 196,194
San Diego County, CA, Regional Airport Authority Rev., A, 5%, 7/01/2021	500,000	532,435
San Diego County, CA, Regional Airport Authority Rev., A, 5%, 7/01/2043	500,000	557,455
San Diego County, CA, Regional Airport Authority Rev., B, 5%, 7/01/2042	335,000	381,310
San Diego County, CA, Regional Airport Authority Rev., B, 5%, 7/01/2047	335,000	379,903
San Francisco, CA, City & County Airports Commission, International Airport Rev., A, 5%, 5/01/2030	285,000	313,264
San Francisco, CA, City & County Airports Commission, International Airport Rev., A, 5%, 5/01/2031	150,000	164,582
San Jose, CA, Airport Rev., A-2, 5.25%, 3/01/2034	440,000	476,234
		\$ 3,001,377
General Obligations - General Purpose - 5.8%		
Commonwealth of Puerto Rico, A, NATL, 5.5%, 7/01/2020	\$ 165,000	\$ 171,092
Commonwealth of Puerto Rico, Public Improvement Refunding, A-4, AGM, 5%, 7/01/2031	40,000	41,427
Puerto Rico Public Buildings Authority Rev., H, AAC, 5.5%, 7/01/2018	130,000	130,247
Puerto Rico Public Buildings Authority Rev., M-2, AAC, 10%, 7/01/2035	30,000	31,558
State of California, 5.25%, 4/01/2035	455,000	504,217
State of California, 5.5%, 3/01/2040	630,000	669,325
State of California, 5.25%, 11/01/2040	415,000	446,349
		\$ 1,994,215
General Obligations - Schools - 38.1%		
Alhambra, CA, Unified School District, B, ASSD GTY, 5.25%, 8/01/2028 (Prerefunded 8/01/2019)	\$ 500,000	\$ 521,620
Banning, CA, Unified School District (Election of 2006), B, ASSD GTY, 5.25%, 8/01/2033 (Prerefunded 8/01/2018)	500,000	503,100
Beaumont, CA, Unified School District (Election of 2008), Capital Appreciation, C, AGM, 0%, 8/01/2040	955,000	389,392
Beaumont, CA, Unified School District (Election of 2008), Capital Appreciation, C, AGM, 0%, 8/01/2044	1,000,000	347,270

Table of Contents

Portfolio of Investments (unaudited) continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds - continued		
General Obligations - Schools - continued		
Folsom Cordova, CA, Unified School District (Election of 2012), A, 5%, 10/01/2038	\$ 535,000	\$ 598,729
Imperial County, CA, Community College District, BAM, 4%, 8/01/2040	1,000,000	1,054,900
Lake Tahoe, CA, Unified School District (Election of 2008), Capital Appreciation, AGM, 0% to 8/01/2032, 6.375% to 8/01/2045	515,000	369,554
Los Angeles, CA, Community College District, 3%, 8/01/2039	455,000	430,990
Mendocino Lake, CA, Community College District Rev. (Election of 2006), Capital Appreciation, B, AGM, 0%, 8/01/2032	330,000	200,514
Montebello, CA, Unified School District (Election of 2004), A-1, ASSD GTY, 5.25%, 8/01/2034 (Prerefunded 8/01/2019)	355,000	370,141
Montebello, CA, Unified School District (Election of 2016), A, 4%, 8/01/2046	255,000	264,338
Mount San Antonio, CA, Community College District Rev. (Election of 2008), Convertible Capital Appreciation, A, 0% to 8/01/2028, 6.25% to 8/01/2043	855,000	709,539
Napa Valley, CA, Unified School District, 5%, 8/01/2020	225,000	240,862
Oakland, CA, Unified School District Rev., AGM, 5%, 8/01/2028	170,000	200,376
Oakland, CA, Unified School District Rev., AGM, 5%, 8/01/2030	170,000	198,907
Oxnard, CA School District (Ventura County), A, BAM, 5%, 8/01/2045	410,000	475,223
Pittsburg, CA, Unified School District, B, AGM, 5.5%, 8/01/2034 (Prerefunded 8/01/2018)	500,000	503,340
Pomona, CA, Unified School District, A, NATL, 6.55%, 8/01/2029	1,000,000	1,255,500
San Diego, CA, Community College (Election of 2002), 5.25%, 8/01/2033 (Prerefunded 8/01/2019)	125,000	130,405
San Diego, CA, Unified School District (Election of 2008), Capital Appreciation, G, 0%, 7/01/2034	265,000	126,744
San Diego, CA, Unified School District (Election of 2012), I, 4%, 7/01/2047	355,000	374,344
San Joaquin, CA, Delta Community College District (Election of 2004), Capital Appreciation, B, AGM, 0%, 8/01/2018	400,000	399,040
San Jose, CA, Evergreen Community College District (Election of 2010), A, 5%, 8/01/2041	265,000	293,434
San Mateo County, CA, Union High School District, E, 3%, 9/01/2041	560,000	514,696
Santee, CA, School District (Election of 2006), Capital Appreciation, D, ASSD GTY, 0%, 8/01/2043	765,000	278,215
Vallejo City, CA, Unified School District, A, NATL, 5.9%, 8/01/2025	500,000	581,705
Victor, CA, Elementary School District (Election of 2008), A, ASSD GTY, 5.125%, 8/01/2034 (Prerefunded 8/01/2019)	500,000	520,610
West Contra Costa, CA, Unified School District, A, NATL, 5.7%, 2/01/2023	500,000	584,795
West Covina, CA, Unified School District, A, NATL, 5.8%, 2/01/2021	500,000	550,305
		\$ 12,988,588

Table of Contents

Portfolio of Investments (unaudited) continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds - continued		
Healthcare Revenue - Hospitals - 26.9%		
ABAG Finance Authority for Non-Profit Corps., CA, Rev. (Sharp Healthcare), 6.25%, 8/01/2039 (Prerefunded 8/01/2019)	\$ 505,000	\$ 532,613
ABAG Finance Authority for Non-Profit Corps., CA, Rev. (Sharp Healthcare), A, 5%, 8/01/2026	110,000	120,645
California Health Facilities Financing Authority Rev. (Children's Hospital Los Angeles), A, 5%, 8/15/2042	450,000	506,056
California Health Facilities Financing Authority Rev. (Memorial Health Services), A, 5%, 10/01/2033	295,000	328,763
California Health Facilities Financing Authority Rev. (Providence St. Joseph Health System), A, 3%, 10/01/2041	220,000	201,566
California Health Facilities Financing Authority Rev. (Scripps Health), A, 5%, 11/15/2032	525,000	577,022
California Health Facilities Financing Authority Rev. (Scripps Health), A, 5%, 11/15/2040	255,000	279,732
California Health Facilities Financing Authority Rev. (Sutter Health), B, 5.875%, 8/15/2031 (Prerefunded 8/15/2020)	500,000	545,385
California Health Facilities Financing Authority Rev. (Sutter Health), B, 5%, 11/15/2035	460,000	533,402
California Health Facilities Financing Authority Rev. (Sutter Health), B, 5%, 11/15/2046	535,000	613,452
California Municipal Finance Authority Rev. (Community Medical Centers), A, 5%, 2/01/2036	225,000	250,724
California Municipal Finance Authority Rev. (Community Medical Centers), A, 5%, 2/01/2037	150,000	166,793
California Municipal Finance Authority Rev. (Community Medical Centers), A, 5%, 2/01/2042	75,000	82,807
California Municipal Finance Authority Rev. (Northbay Healthcare Group), 5%, 11/01/2028	45,000	49,522
California Municipal Finance Authority Rev. (Northbay Healthcare Group), 5%, 11/01/2029	35,000	38,410
California Municipal Finance Authority Rev. (Northbay Healthcare Group), 5%, 11/01/2030	15,000	16,434
California Municipal Finance Authority Rev. (Northbay Healthcare Group), 5%, 11/01/2044	85,000	91,452
California Municipal Finance Authority Rev. (NorthBay Healthcare Group), 5%, 11/01/2035	65,000	70,435
California Public Finance Authority Rev. (Henry Mayo Newhall Hospital), 5%, 10/15/2047	455,000	490,745
California Statewide Communities Development Authority Rev. (Enloe Medical Center), A, CALHF, 5.5%, 8/15/2023	500,000	503,900
California Statewide Communities Development Authority Rev. (Kaiser Permanente), A, 5%, 4/01/2042	455,000	496,405

Table of Contents

Portfolio of Investments (unaudited) continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds - continued		
Healthcare Revenue - Hospitals - continued		
California Statewide Communities Development Authority Rev. (Loma Linda University Medical Center), A , 5.5%, 12/01/2054	\$ 350,000	\$ 381,423
California Statewide Communities Development Authority Rev. (Marin General Hospital), A , 5%, 8/01/2036	65,000	75,238
California Statewide Communities Development Authority Rev. (Marin General Hospital), A , 5%, 8/01/2037	45,000	51,966
California Statewide Communities Development Authority Rev. (Marin General Hospital), A , 5%, 8/01/2038	40,000	46,120
California Statewide Communities Development Authority Rev. (Redlands Community Hospital), 5%, 10/01/2046	350,000	386,284
California Statewide Communities Development Authority Rev. (Santa Ynez Valley Cottage Hospital), 5.25%, 11/01/2030	260,000	278,434
California Statewide Communities Development Authority Rev. (Sutter Health), A , 5%, 8/15/2032	610,000	671,409
California Statewide Communities Development Authority Rev. (Trinity Health Corp.), 5%, 12/01/2041	450,000	494,829
Upland, CA, COP (San Antonio Community Hospital), 6.375%, 1/01/2032 (Prerefunded 1/01/2021)	250,000	278,918
		\$ 9,160,884
Healthcare Revenue - Long Term Care - 6.5%		
ABAG Finance Authority for Non-Profit Corps., CA, Rev. (Episcopal Senior Communities), 6.125%, 7/01/2041	\$ 150,000	\$ 165,151
ABAG Finance Authority for Non-Profit Corps., CA, Rev. (Eskaton Properties, Inc.), 5%, 11/15/2035	230,000	250,541
California Statewide Communities Development Authority Insured Rev. (Viamonte Senior Living 1 Project), A , 4%, 7/01/2038	65,000	67,850
California Statewide Communities Development Authority Insured Rev. (Viamonte Senior Living 1 Project), A , 4%, 7/01/2039	70,000	72,948
California Statewide Communities Development Authority Insured Rev. (Viamonte Senior Living 1 Project), A , 4%, 7/01/2040	65,000	67,738
California Statewide Communities Development Authority Insured Rev. (Viamonte Senior Living 1 Project), A , 4%, 7/01/2043	150,000	156,060
California Statewide Communities Development Authority Rev. (899 Charleston Project), A , 5.25%, 11/01/2044	295,000	313,768
California Statewide Communities Development Authority Rev. (Episcopal Communities & Services for Seniors Obligated Group), 5%, 5/15/2047	315,000	336,707
California Statewide Communities Development Authority Rev. (Front Port Communities and Services), A , 4%, 4/01/2042	115,000	117,399
California Statewide Communities Development Authority Rev. (Front Port Communities and Services), A , 5%, 4/01/2047	315,000	352,879

Table of Contents

Portfolio of Investments (unaudited) continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds - continued		
Healthcare Revenue - Long Term Care - continued		
Los Angeles County, CA, Regional Financing Authority Rev. (Montecedro Inc. Project), A, CALHF, 5%, 11/15/2044	\$ 300,000	\$ 330,051
		\$ 2,231,092
Industrial Revenue - Other - 1.8%		
New York Liberty Development Corp. Rev. (Goldman Sachs Headquarters), 5.25%, 10/01/2035	\$ 485,000	\$ 608,282
Miscellaneous Revenue - Other - 4.4%		
ABAG Finance Authority for Non-Profit Corps., CA, Rev. (Jackson Lab), 5%, 7/01/2037	\$ 400,000	\$ 434,944
California Infrastructure & Economic Development Bank Rev. (Academy of Motion Picture Arts and Sciences Obligated Group), A, 5%, 11/01/2030	235,000	267,089
California Infrastructure & Economic Development Bank Rev. (Academy of Motion Picture Arts and Sciences Obligated Group), A, 5%, 11/01/2034	170,000	191,554
California Infrastructure & Economic Development Bank Rev. (Academy of Motion Picture Arts and Sciences Obligated Group), A, 5%, 11/01/2035	170,000	191,095
California Statewide Communities Development Authority Rev. (Buck Institute for Research on Aging), AGM, 5%, 11/15/2044	385,000	426,496
		\$ 1,511,178
Port Revenue - 6.7%		
Alameda, CA, Corridor Transportation Authority Second Subordinate Lien Rev., B, 5%, 10/01/2037	\$ 470,000	\$ 525,187
Alameda, CA, Corridor Transportation Authority Second Subordinate Lien Rev., B, AGM, 5%, 10/01/2036	600,000	683,058
Port of Oakland, CA, Rev., P, 5%, 5/01/2033	1,000,000	1,086,680
		\$ 2,294,925
Sales & Excise Tax Revenue - 0.9%		
California Economic Recovery, A, 5%, 7/01/2020 (Prerefunded 7/01/2019)	\$ 250,000	\$ 259,403
Puerto Rico Sales Tax Financing Corp., Sales Tax Rev., Capital Appreciation, A, NATL, 0%, 8/01/2042	210,000	52,527
		\$ 311,930
Secondary Schools - 2.8%		
California School Finance Authority, Charter School Rev. (Aspire Public Schools - Obligated Group), 5%, 8/01/2040	\$ 85,000	\$ 91,834
California School Finance Authority, Charter School Rev. (Aspire Public Schools - Obligated Group), 5%, 8/01/2045	85,000	91,557
California School Finance Authority, School Facility Rev. (Alliance for College-Ready Public Schools Projects), A, 5%, 7/01/2030	255,000	283,167

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

Issuer	Shares/Par	Value (\$)
Municipal Bonds - continued		
Secondary Schools - continued		
California School Finance Authority, School Facility Rev. (Kipp LA Projects), A, 5%, 7/01/2037	\$ 85,000	\$ 94,978
California School Finance Authority, School Facility Rev. (Kipp LA Projects), A, 5%, 7/01/2047	130,000	144,087
California Statewide Communities Development Authority School Facility Rev. (Alliance for College-Ready Public Schools), A, 6.375%, 7/01/2047	230,000	252,161
		\$ 957,784
State & Local Agencies - 15.6%		
California Public Works Board Lease Rev. (Department of Corrections), E, AGM, 3%, 10/01/2036	\$ 415,000	\$ 400,189
California Public Works Board Lease Rev. (Judicial Council Projects), A, 5%, 3/01/2028	380,000	427,101
California Public Works Board Lease Rev. (New Stockton Courthouse), B, 5%, 10/01/2033	275,000	314,289
Los Angeles County, CA, Schools Regionalized Business Service Corp., Pooled Financing, Capital Appreciation, A, AAC, 0%, 8/01/2018	2,020,000	2,014,606
Los Angeles County, CA, Schools Regionalized Business Service Corp., Pooled Financing, Capital Appreciation, A, AAC, 0%, 8/01/2023	1,220,000	1,062,913
Los Angeles, CA, Municipal Improvement Corp. Lease Rev., B, ASSD GTY, 5.5%, 4/01/2030 (Prerefunded 4/01/2019)	390,000	403,061
Ontario Public Finance Authority Lease Rev., AGM, 5%, 11/01/2042	160,000	184,640
Sacramento County, CA, Public Facilities Project, COP, AAC, 4.75%, 10/01/2027	500,000	500,600
		\$ 5,307,399
Tax - Other - 1.5%		
Puerto Rico Convention Center District Authority, Hotel Occupancy Tax Rev., A, AAC, 5%, 7/01/2031	\$ 90,000	\$ 90,000
Puerto Rico Infrastructure Financing Authority Special Tax Rev., C, AAC, 5.5%, 7/01/2024	120,000	127,295
Puerto Rico Infrastructure Financing Authority Special Tax Rev., C, AAC, 5.5%, 7/01/2026	80,000	85,082
Puerto Rico Infrastructure Financing Authority Special Tax Rev., C, AAC, 5.5%, 7/01/2027	210,000	223,415
		\$ 525,792
Tax Assessment - 7.1%		
Huntington Park, CA, Public Financing Authority Rev., A, AGM, 5.25%, 9/01/2019	\$ 500,000	\$ 501,260
North Natomas, CA, Community Facilities District Special Tax, 4-E, 5.25%, 9/01/2033	160,000	178,733

Table of Contents

Portfolio of Investments (unaudited) continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds - continued		
Tax Assessment - continued		
Riverside County, CA, Jurupa Valley Redevelopment Project Rev., B, AGM, 5%, 10/01/2030	\$ 190,000	\$ 218,587
Riverside County, CA, Jurupa Valley Redevelopment Project Rev., B, AGM, 5%, 10/01/2031	225,000	257,888
Riverside County, CA, Redevelopment Agency, Tax Allocation, A, AGM, 5%, 10/01/2034	295,000	331,096
San Dieguito, CA, Public Facilities Authority, A, AAC, 5%, 8/01/2032	500,000	502,415
San Francisco, CA, City & County Redevelopment Successor Agency, Community Facilities District No. 6 (Mission Bay South Public Improvements), A, 5%, 8/01/2033	130,000	140,724
San Francisco, CA, City & County Redevelopment Successor Agency, Tax Allocation (Mission Bay South Redevelopment Project), A, 5%, 8/01/2043	250,000	280,153
		\$ 2,410,856
Tobacco - 4.9%		
Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., A, 5.75%, 6/01/2047	\$ 675,000	\$ 678,368
Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., A-1, 5.125%, 6/01/2047	1,000,000	1,000,020
		\$ 1,678,388
Toll Roads - 3.1%		
Bay Area Toll Authority, California Toll Bridge Rev., S-7, 4%, 4/01/2033	\$ 515,000	\$ 556,313
Bay Area Toll Authority, California Toll Bridge Rev., S-7, 4%, 4/01/2034	145,000	155,816
Riverside County, CA, Transportation Commission, Toll Rev., A, 5.75%, 6/01/2044	320,000	355,344
		\$ 1,067,473
Transportation - Special Tax - 2.6%		
Commonwealth of Puerto Rico Highway & Transportation Authority Rev., D, AGM, 5%, 7/01/2032	\$ 55,000	\$ 56,004
Commonwealth of Puerto Rico Highway & Transportation Authority Rev., J, NATL, 5%, 7/01/2029	10,000	9,962
Commonwealth of Puerto Rico Highway & Transportation Authority Rev., L, AAC, 5.25%, 7/01/2038	345,000	352,532
Commonwealth of Puerto Rico Highway & Transportation Authority Rev., L, NATL, 5.25%, 7/01/2035	30,000	29,817
Commonwealth of Puerto Rico Highway & Transportation Authority Rev., N, NATL, 5.25%, 7/01/2032	40,000	40,259
Commonwealth of Puerto Rico Highway & Transportation Authority Rev., N, NATL, 5.25%, 7/01/2033	25,000	25,062

Table of Contents

Portfolio of Investments (unaudited) continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds - continued		
Transportation - Special Tax - continued		
Commonwealth of Puerto Rico Highway & Transportation Authority Unrefunded Rev., A, NATL, 5%, 7/01/2038	\$ 10,000	\$ 9,591
San Francisco, CA, Municipal Transportation Agency Rev., B, 5%, 3/01/2037	335,000	366,862
		\$ 890,089
Universities - Colleges - 7.6%		
California Educational Facilities Authority Rev. (Loma Linda University), A, 5%, 4/01/2036	\$ 75,000	\$ 84,935
California Educational Facilities Authority Rev. (Loma Linda University), A, 5%, 4/01/2037	235,000	265,938
California Educational Facilities Authority Rev. (Stanford University), U-7, 5%, 6/01/2046	235,000	313,356
California Educational Facilities Authority Rev. (University of San Francisco), 6.125%, 10/01/2030 (Prerefunded 10/01/2021)	140,000	159,551
California Educational Facilities Authority Rev. (University of San Francisco), 6.125%, 10/01/2030	145,000	164,594
California Municipal Finance Authority Rev. (Azusa Pacific University Project), B, 5%, 4/01/2035	345,000	378,420
California Public Works Board Lease Rev. (The Regents of the University of California), 5%, 12/01/2028 (Prerefunded 12/01/2021)	375,000	416,779
California State University Rev., A, 5%, 11/01/2024	370,000	407,289
California State University Rev., A, 5%, 11/01/2030	270,000	314,250
Puerto Rico Industrial, Tourist, Educational, Medical & Environmental Control Facilities Financing Authority, Educational Facilities Rev. (University Plaza Project), NATL, 5%, 7/01/2033	75,000	73,260
		\$ 2,578,372
Universities - Dormitories - 0.8%		
California Municipal Finance Authority, Student Housing Rev. (Bowles Hall Foundation) A, 5%, 6/01/2035	\$ 25,000	\$ 27,292
California Statewide Communities Development Authority Rev. (Lancer Plaza Project), 5.875%, 11/01/2043	230,000	256,215
		\$ 283,507
Utilities - Cogeneration - 0.7%		
California Pollution Control Financing Authority, Water Furnishing Rev. (Poseidon Resources Desalination Project), 5%, 11/21/2045	\$ 150,000	\$ 159,822
California Pollution Control Financing Authority, Water Furnishing Rev. (San Diego County Water Desalination Project Pipeline), 5%, 11/21/2045	75,000	76,294
		\$ 236,116

Table of Contents

Portfolio of Investments (unaudited) continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds - continued		
Utilities - Municipal Owned - 7.8%		
California Department of Water Resources, Power Supply Rev., L, 5%, 5/01/2019	\$ 305,000	\$ 314,788
Guam Power Authority Rev., A, AGM, 5%, 10/01/2039	50,000	54,469
Guam Power Authority Rev., A, AGM, 5%, 10/01/2044	55,000	59,785
Northern California Power Agency, Capital Facilities Rev., A, 5.25%, 8/01/2024	390,000	411,481
Puerto Rico Electric Power Authority Rev., DDD, AGM, 3.625%, 7/01/2023	10,000	10,000
Puerto Rico Electric Power Authority Rev., DDD, AGM, 3.65%, 7/01/2024	55,000	54,760
Puerto Rico Electric Power Authority Rev., SS, ASSD GTY, 4.375%, 7/01/2030	5,000	5,001
Puerto Rico Electric Power Authority Rev., UU, ASSD GTY, 4.25%, 7/01/2027	40,000	40,010
Puerto Rico Electric Power Authority Rev., V, NATL, 5.25%, 7/01/2033	35,000	35,087
Puerto Rico Electric Power Authority Rev., VV, NATL, 5.25%, 7/01/2032	125,000	125,810
Sacramento, CA, Municipal Utility District Electric Rev., U, AGM, 5%, 8/15/2019 (Prerefunded 8/15/2018)	290,000	292,100
Sacramento, CA, Municipal Utility District Electric Rev., X, 5%, 8/15/2025 (Prerefunded 8/15/2021)	95,000	104,308
Sacramento, CA, Municipal Utility District Electric Rev., Unrefunded		
Balance, U, AGM, 5%, 8/15/2019	460,000	463,100
Sacramento, CA, Municipal Utility District Electric Rev., Unrefunded Balance, X, 5%, 8/15/2025	275,000	301,496
Vernon, CA, Electric System Rev., A, 5.5%, 8/01/2041	370,000	402,871
		\$ 2,675,066
Utilities - Other - 3.1%		
California M-S-R Energy Authority Gas Rev., A, 6.5%, 11/01/2039	\$ 245,000	\$ 347,185
Southern California Public Power Authority (Natural Gas Project No. 1), A, 5%, 11/01/2033	585,000	701,988
		\$ 1,049,173
Water & Sewer Utility Revenue - 10.4%		
Atwater, CA, Public Financing Authority Wastewater Rev., ASSD GTY, 5%, 5/01/2034	\$ 500,000	\$ 516,045
Escondido, CA, Joint Powers Financing Authority Rev. (Water System Financing), 5%, 9/01/2041	460,000	497,223
Guam Waterworks Authority Rev. (Water and Wastewater System), 5%, 7/01/2036	20,000	21,312
Guam Waterworks Authority Rev. (Water and Wastewater System), 5%, 1/01/2046	105,000	111,101

Table of Contents

Portfolio of Investments (unaudited) continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds - continued		
Water & Sewer Utility Revenue - continued		
Guam Waterworks Authority Rev. (Water and Wastewater System), A, 5%, 7/01/2029	\$ 105,000	\$ 113,406
Guam Waterworks Authority Rev. (Water and Wastewater System), A, 5%, 7/01/2035	105,000	110,522
Madera, CA, Financing Authority, Irrigation Rev., 6.5%, 1/01/2040 (Prerefunded 1/01/2020)	440,000	472,679
Norco, CA, Financing Authority, Enterprise Rev., AGM, 5.625%, 10/01/2039	215,000	225,163
Oxnard, CA, Financing Authority, Wastewater Rev., AGM, 5%, 6/01/2030	340,000	380,599
Oxnard, CA, Financing Authority, Wastewater Rev., AGM, 5%, 6/01/2031	85,000	94,902
Soquel Creek, CA, Water District, COP, 5%, 3/01/2043	370,000	407,796
Tulare, CA, Sewer Rev., AGM, 5%, 11/15/2031	350,000	402,955
Tulare, CA, Sewer Rev., AGM, 5%, 11/15/2035	170,000	192,902
		\$ 3,546,605
Total Municipal Bonds (Identified Cost, \$54,477,612)		\$ 57,309,091
Investment Companies (h) - 0.3%		
Money Market Funds - 0.3%		
MFS Institutional Money Market Portfolio, 1.82% (v)		
(Identified Cost, \$99,527)	99,546	\$ 99,536
Other Assets, Less Liabilities - 3.3%		1,119,046
Variable Rate Municipal Term Preferred Shares (VMTPS), at liquidation value of \$24,425,000 net of unamortized debt		
issuance costs of \$18,602 (issued by the fund) - (71.5)%		(24,406,398)
Net assets applicable to common shares - 100.0%		\$ 34,121,275

(h) 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. At period end, the aggregate values of the fund's investments in affiliated issuers and in unaffiliated issuers were \$99,536 and \$57,309,091, respectively.

(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:

AAC	Ambac Assurance Corp.
AGM	Assured Guaranty Municipal
ASSD GTY	Assured Guaranty Insurance Co.
BAM	Build America Mutual
CALHF	California Health Facility Construction Loan Insurance Program
COP	Certificate of Participation
NATL	National Public Finance Guarantee Corp.

Table of Contents

Portfolio of Investments (unaudited) continued

Derivative Contracts at 5/31/18

Futures Contracts

Description	Long/ Short	Currency	Contracts	Notional Amount	Expiration Date	Value/ Unrealized Appreciation (Depreciation)
Liability Derivatives						
Interest Rate Futures						
U.S. Treasury Bond 30 yr	Short	USD	8	\$1,161,000	September - 2018	\$(5,591)
U.S. Treasury Note 10 yr	Short	USD	19	2,288,313	September - 2018	(365)
						\$(5,956)

At May 31, 2018, the fund had cash collateral of \$34,300 to cover any collateral or margin obligations for certain derivative contracts. Restricted cash and/or deposits with brokers in the Statement of Assets and Liabilities are comprised of cash collateral.

See Notes to Financial Statements

Table of Contents*Financial Statements***STATEMENT OF ASSETS AND LIABILITIES**

At 5/31/18 (unaudited)

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

Assets	
Investments in unaffiliated issuers, at value (identified cost, \$54,477,612)	\$57,309,091
Investments in affiliated issuers, at value (identified cost, \$99,527)	99,536
Deposits with brokers for	
Futures contracts	34,300
Receivables for	
Investments sold	500,000
Interest	648,357
Receivable from investment adviser	11,926
Other assets	9,035
Total assets	\$58,612,245
Liabilities	
Payables for	
Distributions on common shares	\$199
Daily variation margin on open futures contracts	6,919
Interest expense	53,608
Payable to affiliates	
Transfer agent and dividend disbursing costs	8
Payable for independent Trustees' compensation	11
Accrued expenses and other liabilities	23,827
VMTPS, at liquidation value of \$24,425,000 net of unamortized debt issuance costs of \$18,602	24,406,398
Total liabilities	\$24,490,970
Net assets applicable to common shares	\$34,121,275
Net assets consist of	
Paid-in capital - common shares	\$32,209,278
Unrealized appreciation (depreciation)	2,825,532
Accumulated net realized gain (loss)	(1,021,994)
Undistributed net investment income	108,459
Net assets applicable to common shares	\$34,121,275
VMTPS, at liquidation value of \$24,425,000 net of unamortized debt issuance costs of \$18,602 (977 shares of Series 2019/3 issued and outstanding at \$25,000 per share)	24,406,398
Net assets including preferred shares	\$58,527,673
Common shares of beneficial interest issued and outstanding	2,786,275
Net asset value per common share (net assets of \$34,121,275 / 2,786,275 shares of beneficial interest outstanding)	\$12.25

See Notes to Financial Statements

Table of Contents*Financial Statements***STATEMENT OF OPERATIONS**

Six months ended 5/31/18 (unaudited)

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.

Net investment income (loss)	
Income	
Interest	\$1,270,859
Dividends from affiliated issuers	7,283
Other	461
Total investment income	\$1,278,603
Expenses	
Management fee	\$190,133
Transfer agent and dividend disbursing costs	3,127
Administrative services fee	9,371
Independent Trustees' compensation	5,581
Stock exchange fee	7,486
Custodian fee	2,883
Reimbursement of custodian expenses	(2,665)
Shareholder communications	9,237
Audit and tax fees	41,081
Legal fees	1,235
Interest expense and fees and amortization of VMTPS debt issuance costs	319,432
Miscellaneous	33,288
Total expenses	\$620,189
Reduction of expenses by investment adviser	(69,287)
Net expenses	\$550,902
Net investment income (loss)	\$727,701
Realized and unrealized gain (loss)	
Realized gain (loss) (identified cost basis)	
Unaffiliated issuers	\$(19,972)
Affiliated issuers	(97)
Futures contracts	128,733
Net realized gain (loss)	\$108,664
Change in unrealized appreciation or depreciation	
Unaffiliated issuers	\$(655,190)
Affiliated issuers	52
Futures contracts	(39,419)
Net unrealized gain (loss)	\$(694,557)
Net realized and unrealized gain (loss)	\$(585,893)
Change in net assets from operations	\$141,808
See Notes to Financial Statements	

Table of Contents*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.

	Six months ended 5/31/18 (unaudited)	Year ended 11/30/17
Change in net assets		
From operations		
Net investment income (loss)	\$727,701	\$1,570,117
Net realized gain (loss)	108,664	88,890
Net unrealized gain (loss)	(694,557)	996,972
Change in net assets from operations	\$141,808	\$2,655,979
Distributions declared to common shareholders		
From net investment income	\$(685,424)	\$(1,533,844)
Total change in net assets	\$(543,616)	\$1,122,135
Net assets applicable to common shares		
At beginning of period	34,664,891	33,542,756
At end of period (including undistributed net investment income of \$108,459 and \$66,182, respectively)	\$34,121,275	\$34,664,891
See Notes to Financial Statements		

Table of Contents*Financial Statements***STATEMENT OF CASH FLOWS**

Six months ended 5/31/18 (unaudited)

This statement provides a summary of cash flows from investment activity for the fund.

Cash flows from operating activities:	
Change in net assets from operations	\$141,808
Adjustments to reconcile change in net assets from operations to net cash provided by operating activities:	
Purchase of investment securities	(3,649,431)
Proceeds from disposition of investment securities	3,281,813
Proceeds from disposition of short-term investments, net	336,023
Realized gain/loss on investments	19,972
Unrealized appreciation/depreciation on investments	655,138
Net amortization/accretion of income	(64,897)
Amortization of VMTPS debt issuance costs	11,138
Increase in interest receivable	(14,189)
Decrease in accrued expenses and other liabilities	(65,752)
Decrease in receivable from investment adviser	2,061
Decrease in receivable for daily variation margin on open futures contracts	11,766
Increase in payable for daily variation margin on open futures contracts	6,919
Increase in deposits with brokers	9,150
Increase in other assets	(7,811)
Increase in payable for interest expense	11,737
Net cash provided by operating activities	\$685,445
Cash flows from financing activities:	
Cash distributions paid on common shares	(685,445)
Net cash used by financing activities	\$(685,445)
Cash:	
Beginning of period	\$
End of period	\$
Supplemental disclosure of cash flow information:	

Cash paid during the six months ended May 31, 2018 for interest was \$296,557.

See Notes to Financial Statements

Table of Contents*Financial Statements***FINANCIAL HIGHLIGHTS**

The financial highlights table is intended to help you understand the fund's financial performance for the semiannual period and the past 5 fiscal 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.

	Six months ended	Year ended				
Common Shares	5/31/18 (unaudited)	11/30/17	11/30/16	11/30/15	11/30/14	11/30/13
Net asset value, beginning of period	\$12.44	\$12.04	\$12.63	\$12.55	\$11.32	\$13.03
Income (loss) from investment operations						
Net investment income (loss) (d)	\$0.26(c)	\$0.56	\$0.62	\$0.67	\$0.64	\$0.66
Net realized and unrealized gain (loss)	(0.20)	0.39	(0.62)	0.03	1.22	(1.75)
Total from investment operations	\$0.06	\$0.95	\$(0.00)	\$0.70	\$1.86	\$(1.09)
Less distributions declared to common shareholders						
From net investment income	\$(0.25)	\$(0.55)	\$(0.59)	\$(0.62)	\$(0.63)	\$(0.62)
Net asset value, end of period	\$12.25	\$12.44	\$12.04	\$12.63	\$12.55	\$11.32
Market value, end of period	\$10.41	\$11.82	\$11.36	\$11.72	\$10.91	\$9.76
Total return at market value (%)	(9.91)(n)	9.02	1.57	13.45	18.45	(18.83)
Total return at net asset value (%) (j)(r)(s)(x)	0.75(c)(n)	8.26	(0.10)	6.28	17.48	(8.17)
Ratios (%) (to average net assets applicable to common shares) and Supplemental data:						
Expenses before expense reductions (f)	3.63(a)(c)	3.21	2.82	2.67	2.75	2.70
Expenses after expense reductions (f)	3.23(a)(c)	2.80	2.46	2.30	2.38	2.42
Net investment income (loss)	4.26(a)(c)	4.53	4.75	5.34	5.32	5.47
Portfolio turnover	6(n)	11	6	11	17	12
Net assets at end of period (000 omitted)	\$34,121	\$34,665	\$33,543	\$35,201	\$34,969	\$31,554

Table of Contents

Financial Highlights continued

	Six months ended	Year ended				
	5/31/18 (unaudited)	11/30/17	11/30/16	11/30/15	11/30/14	11/30/13
Supplemental Ratios (%):						
Ratio of expenses to average net assets applicable to common shares after expense reductions and excluding interest expense and fees (f)(l)	1.36(a)(c)	1.36	1.34	1.41	1.43	1.43
Ratio of expenses to average net assets applicable to common and preferred shares after expense reductions and excluding interest expense and fees (f)(l)	0.79(a)(c)	0.80	0.80	0.83	0.83	0.83
Net investment income available to common shares	4.26(c)	4.53	4.75	5.34	5.32	5.47
Senior Securities:						
VMTPS	977	977	977	977	977	977
Asset coverage per preferred share (k)	\$59,905	\$60,451	\$59,279	\$61,030	\$60,792	\$57,296
Involuntary liquidation preference per preferred share (m)	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Average market value per preferred share (m)(u)	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000

(a) Annualized.

(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. See Note 2 in the Notes to Financial Statements for additional information.

(d) Per share data is based on average shares outstanding.

(f) Ratios do not reflect reductions from fees paid indirectly, if applicable.

(j) Total return at net asset value is calculated using the net asset value of the fund, not the publicly traded price and therefore may be different than the total return at market value.

(k) Calculated by subtracting the fund's total liabilities (not including liquidation preference of preferred shares) from the fund's total assets and dividing this number by the total number of preferred shares outstanding.

(l) Interest expense and fees relate to payments made to the holders of the floating rate certificates from trust assets, interest expense paid to shareholders of VMTPS, and amortization of VMTPS debt issuance costs, as applicable. For periods prior to November 30, 2016, the expense ratio includes amortization of VMTPS debt issuance costs.

(m) Amount excludes accrued unpaid distributions on preferred shares.

(n) Not annualized.

(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.

(u) Average market value represents the approximate fair value of each of the fund's preferred shares.

(x) The net asset values and total returns at net asset value 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

Table of Contents

NOTES TO FINANCIAL STATEMENTS

(unaudited)

(1) Business and Organization

MFS California Municipal Fund (the fund) is organized as a Massachusetts business trust and is registered under the Investment Company Act of 1940, as amended, as a diversified closed-end management investment company.

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. The fund invests primarily in municipal instruments which generally trade in the over-the-counter market. The value of municipal instruments can be affected by changes in their actual or perceived credit quality. The credit quality of, and the ability to pay principal and interest when due by, an issuer of a municipal instrument depends on the credit quality of the entity supporting the municipal instrument, how essential any services supported by the municipal instrument are, the sufficiency of any revenues or taxes that support the municipal instrument, and/or the willingness or ability of the appropriate government entity to approve any appropriations necessary to support the municipal instrument. Many municipal instruments are supported by insurance which typically guarantees the timely payment of all principal and interest due on the underlying municipal instrument. The value of a municipal instrument can be volatile and significantly affected by adverse tax changes or court rulings, legislative or political changes, changes in specific or general market and economic conditions in the region where the instrument is issued, and the financial condition of municipal issuers and of municipal instrument insurers of which there are a limited number. Also, because many municipal instruments are issued to finance similar projects, conditions in certain industries can significantly affect the fund and the overall municipal market. If the Internal Revenue Service determines an issuer of a municipal instrument has not complied with the applicable tax requirements, interest from the security could become taxable, the security could decline in value, and distributions made by the fund could be taxable to shareholders. The fund invests in high-yield securities rated below investment grade. Investments in below investment grade quality securities can involve a substantially greater risk of default or can already be in default, and their values can decline significantly. Below investment grade quality securities tend to be more sensitive to adverse news about the issuer, or the market or economy in general, than higher quality debt instruments.

Table of Contents

Notes to Financial Statements (unaudited) continued

In November 2016, the FASB issued Accounting Standards Update 2016-18, Statement of Cash Flows (Topic 230) Restricted Cash (ASU 2016-18). For entities that have restricted cash and are required to present a statement of cash flows, ASU 2016-18 changes the cash flow presentation for restricted cash. Management has evaluated the potential impacts of ASU 2016-18 and expects that the effects of the fund's adoption will be limited to the reclassification of restricted cash on the fund's Statement of Cash Flows and the addition of disclosures regarding the nature of the restrictions on restricted cash. ASU 2016-18 will be effective for annual reporting periods beginning after December 15, 2017, and interim periods within those annual periods.

In March 2017, the FASB issued Accounting Standards Update 2017-08, Receivables Nonrefundable Fees and Other Costs (Subtopic 310-20) Premium Amortization on Purchased Callable Debt Securities (ASU 2017-08). For entities that hold callable debt securities at a premium, ASU 2017-08 requires that the premium be amortized to the earliest call date. ASU 2017-08 will be effective for fiscal years beginning after December 15, 2018, and interim periods within those fiscal years. Management has evaluated the potential impacts of ASU 2017-08 and believes that adoption of ASU 2017-08 will not have a material effect on the fund's overall financial position or its overall results of operations.

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 Debt instruments and floating rate loans, including restricted debt instruments, are generally valued at an evaluated or composite bid as provided by a third-party pricing service. Short-term instruments with a maturity at issuance of 60 days or less may be valued at amortized cost, which approximates market value. Futures contracts are generally valued at last posted settlement price on their primary exchange as provided by a third-party pricing service. Futures contracts for which there were no trades that day for a particular position are generally valued at the closing bid quotation on their primary exchange as provided by a third-party pricing service. 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 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

Table of Contents

Notes to Financial Statements (unaudited) continued

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

Various inputs are used in determining the value of the fund's assets or liabilities. These inputs are categorized into three broad levels. In certain cases, the inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, an investment's level within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement. The fund's assessment of the significance of a particular input to the fair value measurement in its entirety requires judgment, and considers factors specific to the investment. Level 1 includes unadjusted quoted prices in active markets for identical assets or liabilities. Level 2 includes other significant observable market-based inputs (including quoted prices for similar securities, interest rates, prepayment speed, and credit risk). Level 3 includes unobservable inputs, which may include the adviser's own assumptions in determining the fair value of investments. Other financial instruments are derivative instruments, such as futures contracts. The following is a summary of the levels used as of May 31, 2018 in valuing the fund's assets or liabilities:

Financial Instruments	Level 1	Level 2	Level 3	Total
Municipal Bonds	\$	\$57,309,091	\$	\$57,309,091
Mutual Funds	99,536			99,536
Total	\$99,536	\$57,309,091	\$	\$57,408,627
Other Financial Instruments				
Futures Contracts Liabilities	\$(5,956)	\$	\$	\$(5,956)

Table of Contents

Notes to Financial Statements (unaudited) continued

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

Derivatives The fund uses derivatives primarily to increase or decrease exposure to a particular market or segment of the market, or security, to increase or decrease interest rate exposure, or as alternatives to direct investments. Derivatives are used for hedging or non-hedging purposes. While hedging can reduce or eliminate losses, it can also reduce or eliminate gains. When the fund uses derivatives as an investment to increase market exposure, or for hedging purposes, gains and losses from derivative instruments may be substantially greater than the derivative's original cost.

The derivative instruments used by the fund during the period were futures contracts. Depending on the type of derivative, the fund may exit a derivative position by entering into an offsetting transaction with a counterparty or exchange, negotiating an agreement with the derivative counterparty, or novating the position to a third party. The fund may be unable to promptly close out a futures position in instances where the daily fluctuation in the price for that type of future exceeds the daily limit set by the exchange. The fund's period end derivatives, as presented in the Portfolio of Investments and the associated Derivative Contract tables, generally are indicative of the volume of its derivative activity during the period.

The following table presents, by major type of derivative contract, the fair value, on a gross basis, of the asset and liability components of derivatives held by the fund at May 31, 2018 as reported in the Statement of Assets and Liabilities:

Risk	Derivative Contracts	Fair Value (a) Liability Derivatives
Interest Rate	Interest Rate Futures	\$(5,956)

(a) Values presented in this table for futures contracts correspond to the values reported in the fund's Portfolio of Investments. Only the current day net variation margin for futures contracts is separately reported within the fund's Statement of Assets and Liabilities.

The following table presents, by major type of derivative contract, the realized gain (loss) on derivatives held by the fund for the six months ended May 31, 2018 as reported in the Statement of Operations:

Risk	Futures Contracts
Interest Rate	\$128,733

The following table presents, by major type of derivative contract, the change in unrealized appreciation or depreciation on derivatives held by the fund for the six months ended May 31, 2018 as reported in the Statement of Operations:

Risk	Futures Contracts
Interest Rate	\$(39,419)

Derivative counterparty credit risk is managed through formal evaluation of the creditworthiness of all potential counterparties. On certain, but not all, uncleared derivatives, the fund attempts to reduce its exposure to counterparty credit risk whenever possible by entering into an ISDA Master Agreement on a bilateral basis. The ISDA Master Agreement gives each party to the agreement the right to terminate all

transactions traded under such agreement if there is a specified deterioration in the

Table of Contents

Notes to Financial Statements (unaudited) continued

credit quality of the other party. Upon an event of default or a termination of the ISDA Master Agreement, the non-defaulting party has the right to close out all transactions traded under such agreement and to net amounts owed under each agreement to one net amount payable by one party to the other. This right to close out and net payments across all transactions traded under the ISDA Master Agreement could result in a reduction of the fund's credit risk to such counterparty equal to any amounts payable by the fund under the applicable transactions, if any.

Collateral and margin requirements differ by type of derivative. For cleared derivatives (e.g., futures contracts, cleared swaps, and exchange-traded options), margin requirements are set by the clearing broker and the clearing house and collateral, in the form of cash or securities, is posted by the fund directly with the clearing broker. Collateral terms are counterparty agreement specific for uncleared derivatives (e.g., forward foreign currency exchange contracts, uncleared swap agreements, and uncleared options) and collateral, in the form of cash and securities, is held in segregated accounts with the fund's custodian in connection with these agreements. For derivatives traded under an ISDA Master Agreement, which contains a collateral support annex, the collateral requirements are netted across all transactions traded under such counterparty-specific agreement and one amount is posted from one party to the other to collateralize such obligations. Cash that has been segregated or delivered to cover the fund's collateral or margin obligations under derivative contracts, if any, will be reported separately in the Statement of Assets and Liabilities as restricted cash for uncleared derivatives and/or deposits with brokers for cleared derivatives. Securities pledged as collateral or margin for the same purpose, if any, are noted in the Portfolio of Investments. The fund may be required to make payments of interest on uncovered collateral or margin obligations with the broker. Any such payments are included in Interest expense and fees and amortization of VMTPS debt issuance costs expense in the Statement of Operations.

Futures Contracts The fund entered into futures contracts which may be used to hedge against or obtain broad market exposure, interest rate exposure, or to manage duration. A futures contract represents a commitment for the future purchase or sale of an asset at a specified price on a specified date.

Upon entering into a futures contract, the fund is required to deposit with the broker, either in cash or securities, an initial margin in an amount equal to a specified percentage of the notional amount of the contract. Subsequent payments (variation margin) are made or received by the fund each day, depending on the daily fluctuations in the value of the contract, and are recorded for financial statement purposes as unrealized gain or loss by the fund until the contract is closed or expires at which point the gain or loss on futures contracts is realized.

The fund bears the risk of interest rates or securities prices moving unexpectedly, in which case, the fund may not achieve the anticipated benefits of the futures contracts and may realize a loss. While futures contracts may present less counterparty risk to the fund since the contracts are exchange traded and the exchange's clearinghouse guarantees payments to the broker, there is still counterparty credit risk due to the insolvency of the broker. The fund's maximum risk of loss due to counterparty credit risk is equal to the margin posted by the fund to the broker plus any gains or minus any losses on the outstanding futures contracts.

Table of Contents

Notes to Financial Statements (unaudited) continued

Statement of Cash Flows Information on financial transactions which have been settled through the receipt or disbursement of cash is presented in the Statement of Cash Flows. The cash amount shown in the Statement of Cash Flows is the amount included within the fund's Statement of Assets and Liabilities and includes cash on hand at its custodian bank and does not include any short-term investments.

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. All premium and discount is amortized or accreted for financial statement purposes in accordance with U.S. generally accepted accounting principles. Interest payments received in additional securities are recorded on the ex-interest date in an amount equal to the value of the security on such date. Debt obligations may be placed on non-accrual status or set to accrue at a rate of interest less than the contractual coupon when the collection of all or a portion of interest has become doubtful. Interest income for those debt obligations may be further reduced by the write-off of the related interest receivables when deemed uncollectible.

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.

Reimbursement of Expenses by Custodian The fund's custodian (or former custodian), State Street Bank and Trust Company, reimbursed its asset servicing clients for expense amounts that it billed in error during the period 1998 through 2015. The amount of this one-time reimbursement attributable to the fund is reflected as Reimbursement of custodian expenses 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 and tax-exempt 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.

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

Table of Contents*Notes to Financial Statements (unaudited) continued*

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. Distributions in excess of net investment income or net realized gains are temporary overdistributions for financial statement purposes resulting from differences in the recognition or classification of income or distributions for financial statement and tax purposes.

Book/tax differences primarily relate to expiration of capital loss carryforwards, amortization and accretion of debt securities, derivative transactions, and non-deductible expenses that result from the treatment of Variable Rate Municipal Term Preferred Shares (VMTPS) as equity for tax purposes.

The tax character of distributions made during the current period will be determined at fiscal year end. The tax character of distributions declared to shareholders for the last fiscal year is as follows:

	Year ended 11/30/17
Ordinary income (including any short-term capital gains)	\$1,800
Tax-exempt income	2,006,492
Total distributions	\$2,008,292

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

As of 5/31/18	
Cost of investments	\$53,676,015
Gross appreciation	3,822,228
Gross depreciation	(89,616)
Net unrealized appreciation (depreciation)	\$3,732,612
As of 11/30/17	
Undistributed ordinary income	17,052
Undistributed tax-exempt income	98,388
Capital loss carryforwards	(1,550,033)
Other temporary differences	42,091
Net unrealized appreciation (depreciation)	3,932,297

The aggregate cost above includes prior fiscal year end tax adjustments, if applicable.

Under the Regulated Investment Company Modernization Act of 2010 (the Act), net capital losses recognized for fund fiscal years beginning after November 30, 2011 may be carried forward indefinitely, and their character is retained as short-term and/or long-term losses (post-enactment losses). Previously, net capital losses were carried forward for eight years and treated as short-term losses (pre-enactment losses). As a transition rule, the Act requires that all post-enactment net capital losses be used before pre-enactment net capital losses.

Table of Contents*Notes to Financial Statements (unaudited) continued*

As of November 30, 2017, the fund had capital loss carryforwards available to offset future realized gains as follows:

**Pre-enactment losses which expire
as follows:**

11/30/18	\$(696,235)
11/30/19	(725,457)
Total	\$(1,421,692)

**Post-enactment losses which are
characterized as follows:**

Short-Term	\$(128,341)
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(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 an annual rate of 0.65% of the fund's average daily net assets (including the value of preferred shares).

The investment adviser has agreed in writing to pay a portion of the fund's total annual operating expenses, excluding interest expense on VMTPS, amortization of debt issuance costs on VMTPS, taxes, extraordinary expenses, brokerage and transaction costs, other interest expense, and investment-related expenses, such that total fund operating expenses do not exceed 0.80% annually of the fund's average daily net assets (including the value of preferred shares). This written agreement will continue until modified by the fund's Board of Trustees, but such agreement will continue at least until November 30, 2018. For the six months ended May 31, 2018, this reduction amounted to \$69,287, which is included in the reduction of total expenses in the Statement of Operations.

Transfer Agent The fund engages Computershare Trust Company, N.A. (Computershare) as the sole transfer agent for the fund's common shares. MFS Service Center, Inc. (MFSC) monitors and supervises the activities of Computershare for an agreed upon fee approved by the Board of Trustees. For the six months ended May 31, 2018, these fees paid to MFSC amounted to \$60.

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 (including the value of preferred shares). The administrative services fee incurred for the six months ended May 31, 2018 was equivalent to an annual effective rate of 0.0320% of the fund's average daily net assets (including the value of preferred shares).

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 for their services to the fund

Table of Contents

Notes to Financial Statements (unaudited) continued

from MFS. Certain officers and Trustees of the fund are officers or directors of MFS and MFSC.

Other This fund and certain other funds managed by MFS (the funds) have entered into a service agreement (the ISO Agreement) which provides 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 serves as the ISO and is an officer of the funds and the sole member of Tarantino LLC. The funds can terminate the ISO Agreement with Tarantino LLC at any time under the terms of the ISO Agreement. For the six months ended May 31, 2018, the fee paid by the fund under this agreement was \$29 and is included in Miscellaneous expense in the Statement of Operations. MFS has 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.

(4) Portfolio Securities

For the six months ended May 31, 2018, purchases and sales of investments, other than short-term obligations, aggregated \$3,360,059 and \$3,497,456, 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. The fund reserves the right to repurchase shares of beneficial interest of the fund subject to Trustee approval. During the six months ended May 31, 2018 and the year ended November 30, 2017, the fund did not repurchase any shares and there were no other transactions in fund shares.

(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 syndication 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 higher of the Overnight Bank Funding rate or daily one month LIBOR plus an agreed upon spread. A commitment fee, based on the average daily, unused portion of the committed line of credit, is allocated among the participating funds. In addition, the fund and other funds managed by MFS have established unsecured uncommitted borrowing arrangements with certain banks for temporary financing needs. Interest is charged to each fund, based on its borrowings, at a rate equal to the Overnight Bank Funding rate plus an agreed upon spread. For the six months ended May 31, 2018, the fund's commitment fee and interest expense were \$112 and \$0, respectively, and are included in Miscellaneous expense in the Statement of Operations.

Table of Contents*Notes to Financial Statements (unaudited) continued***(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 fund assumes the following to be affiliated issuers:

	Beginning Shares/Par Amount	Acquisitions Shares/Par Amount	Dispositions Shares/Par Amount	Ending Shares/Par Amount
Affiliated Issuers				
MFS Institutional Money				
Market Portfolio	435,550	3,965,463	(4,301,467)	99,546

	Realized Gain (Loss)	Change in Unrealized Appreciation/ Depreciation	Capital Gain Distributions	Dividend Income	Ending Value
Affiliated Issuers					
MFS Institutional Money					
Market Portfolio	\$(97)	\$52	\$	\$7,283	\$99,536

(8) Preferred Shares

The fund has 977 shares issued and outstanding of VMTPS, series 2019/3. The outstanding VMTPS are redeemable at the option of the fund in whole or in part at the liquidation preference of \$25,000 per share, plus accumulated and unpaid dividends, but generally solely for the purpose of decreasing the leverage of the fund. The VMTPS are subject to a mandatory term redemption date of March 31, 2019 unless extended through negotiation with the private holders of the VMTPS. There is no assurance that the term of the VMTPS will be extended or that the VMTPS will be replaced with any

other preferred shares or other form of leverage upon the redemption of the VMTPS. Six months prior to the term redemption date of the VMTPS, the fund is required to begin to segregate liquid assets with the fund's custodian to fund the redemption. Dividends on the VMTPS are cumulative and are reset weekly to a fixed spread against the Securities Industry and Financial Markets Association (SIFMA) Municipal Swap Index. During the six months ended May 31, 2018, the VMTPS dividend rates ranged from 2.12% to 2.96%. For the six months ended May 31, 2018, the average dividend rate was 2.50%.

In the fund's Statement of Assets and Liabilities, the VMTPS aggregate liquidation preference is shown as a liability since they have a stated mandatory redemption date. Dividends paid to the VMTPS are treated as interest expense and recorded as incurred. For the six months ended May 31, 2018, interest expense related to the dividends paid to VMTPS amounted to \$308,248 and is included in Interest expense and fees and amortization of VMTPS debt issuance costs in the Statement of Operations. Costs directly related to the issuance of the VMTPS are considered debt issuance costs. Debt issuance costs are presented as a direct deduction from the carrying amount of the related debt liability and are being amortized into interest expense over the life of the VMTPS. The period-end carrying value for the VMTPS in the fund's Statement of Assets and Liabilities is its liquidation value less any unamortized debt issuance costs, which approximates its fair value. Its fair value would be considered level 2 under the fair value hierarchy.

Table of Contents

Notes to Financial Statements (unaudited) continued

Under the terms of a purchase agreement between the fund and the investor in the VMTPS, the fund is subject to various investment restrictions. These investment-related requirements are in various respects more restrictive than those to which the fund is otherwise subject in accordance with its investment objectives and policies. In addition, the fund is subject to certain restrictions on its investments imposed by guidelines of the rating agencies that rate the VMTPS, which guidelines may be changed by the applicable rating agency, in its sole discretion, from time to time. These guidelines may impose asset coverage or portfolio composition requirements that are more stringent than those imposed on the fund by the Investment Company Act of 1940 (the "1940 Act").

The fund is required to maintain certain asset coverage with respect to the VMTPS as defined in the fund's governing documents and the 1940 Act. One of a number of asset coverage-related requirements is that the fund is not permitted to declare or pay common share dividends unless immediately thereafter the fund has a minimum asset coverage ratio of 200% with respect to the VMTPS after deducting the amount of such common share dividends.

The 1940 Act requires that the preferred shareholders of the fund, voting as a separate class, have the right to elect at least two trustees at all times, and elect a majority of the trustees at any time when dividends on the preferred shares are unpaid for two full years. Unless otherwise required by law or under the terms of the preferred shares, each preferred share is entitled to one vote and preferred shareholders will vote together with common shareholders as a single class.

Leverage involves risks and special considerations for the fund's common shareholders. To the extent that investments are purchased by the fund with proceeds from the issuance of preferred shares, the fund's net asset value will increase or decrease at a greater rate than a comparable unleveraged fund. Changes in the value of the fund's portfolio will be borne entirely by the common shareholders. It is possible that the fund

will be required to sell assets at a time when it may be disadvantageous to do so in order to redeem preferred shares to comply with asset coverage or other restrictions including those imposed by the 1940 Act and the rating agencies that rate the preferred shares. There is no assurance that the fund's leveraging strategy will be successful.

Table of Contents

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Trustees and Shareholders of MFS California Municipal Fund:

We have reviewed the accompanying statement of assets and liabilities of MFS California Municipal Fund (the Fund), including the portfolio of investments, as of May 31, 2018, and the related statements of operations, changes in net assets, cash flows and financial highlights for the six-month period ended May 31, 2018. These interim financial statements and financial highlights are the responsibility of the Fund's management.

We conducted our review in accordance with the standards of the Public Company Accounting Oversight Board (United States). A review of interim financial information consists principally of applying analytical procedures and making inquiries of persons responsible for financial and accounting matters. It is substantially less in scope than an audit conducted in accordance with the standards of the Public Company Accounting Oversight Board (United States), the objective of which is the expression of an opinion regarding the financial statements taken as a whole. Accordingly, we do not express such an opinion.

Based on our review, we are not aware of any material modifications that should be made to the accompanying interim financial statements and financial highlights for them to be in conformity with U.S. generally accepted accounting principles.

We have previously audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the statement of changes in net assets for the year ended November 30, 2017 and the financial highlights for each of the five years in the period ended November 30, 2017, and in our report dated January 16, 2018, we expressed an unqualified opinion on such statement of changes in net assets and financial highlights.

Boston, Massachusetts

July 16, 2018

Table of Contents

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, 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, or by visiting the SEC's Web site at <http://www.sec.gov>.

QUARTERLY PORTFOLIO DISCLOSURE

The fund will file a complete schedule of portfolio holdings with the Securities and Exchange Commission (the Commission) for the first and third quarters of each fiscal year on Form N-Q. A shareholder can obtain the quarterly portfolio holdings report at mfs.com. The fund's Form N-Q is also available on the EDGAR database on the Commission's Internet Web site at <http://www.sec.gov>, and may be reviewed and copied at the:

Public Reference Room

Securities and Exchange Commission

100 F Street, NE, Room 1580

Washington, D.C. 20549

Information on the operation of the Public Reference Room may be obtained by calling the Commission at 1-800-SEC-0330. Copies of the fund's Form N-Q also may be obtained, upon payment of a duplicating fee, by electronic request at the following e-mail address: publicinfo@sec.gov or by writing the Public Reference Section at the above address.

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). This information is available at

<https://www.mfs.com/en-us/what-we-do/announcements.html> or at mfs.com/closedendfunds by choosing the fund's name.

Additional information about the fund (e.g., performance, dividends and the fund's price history) is also available by clicking on the fund's name under Closed-End Funds in the Products section of mfs.com.

Table of Contents

INFORMATION ABOUT FUND CONTRACTS AND LEGAL CLAIMS

The fund has entered into contractual arrangements with an investment adviser, administrator, transfer agent, 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, 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.

Table of Contents

CONTACT US

TRANSFER AGENT, REGISTRAR, AND

DIVIDEND DISBURSING AGENT

CALL

1-800-637-2304

9 a.m. to 5 p.m. Eastern time

WRITE

Computershare Trust Company, N.A.

P.O. Box 43078

Providence, RI 02940-3078

NYSE American Symbol: **CCA**

Table of Contents

ITEM 2. CODE OF ETHICS.

During the period covered by this report, the Registrant has not amended any provision in its Code of Ethics (the "Code") that relates to an element of the Code's definition enumerated in paragraph (b) of Item 2 of this Form N-CSR. During the period covered by this report, the Registrant did not grant a waiver, including an implicit waiver, from any provision of the Code.

ITEM 3. AUDIT COMMITTEE FINANCIAL EXPERT.

Not applicable for semi-annual reports.

ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

Not applicable for semi-annual reports.

ITEM 5. AUDIT COMMITTEE OF LISTED REGISTRANTS.

Not applicable for semi-annual reports.

ITEM 6. SCHEDULE OF INVESTMENTS.

A schedule of investments for MFS California Municipal Fund is included as part of the report to shareholders under Item 1 of this Form N-CSR.

ITEM 7. DISCLOSURE OF PROXY VOTING POLICIES AND PROCEDURES FOR CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

Not applicable for semi-annual reports.

ITEM 8. PORTFOLIO MANAGERS OF CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

There were no changes during this period.

Table of Contents**ITEM 9. PURCHASES OF EQUITY SECURITIES BY CLOSED-END MANAGEMENT INVESTMENT COMPANY AND AFFILIATED PURCHASERS.****MFS California Municipal Fund**

Period	(a) Total number of Shares Purchased	(b) Average Price Paid per Share	(c) Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	(d) Maximum Number (or Approximate Dollar Value) of Shares that May Yet Be Purchased under the Plans or Programs
12/01/17-12/31/17	0	N/A	0	278,627
1/01/18-1/31/18	0	N/A	0	278,627
2/01/18-2/28/18	0	N/A	0	278,627
3/01/18-3/31/18	0	N/A	0	278,627
4/01/18-4/30/18	0	N/A	0	278,627
5/01/18-5/31/18	0	N/A	0	278,627
Total	0		0	

Note: The Board approved procedures to repurchase shares and reviews the results periodically. The notification to shareholders of the program is part of the semi-annual and annual reports sent to shareholders. These annual programs begin on October 1st of each year. The programs conform to the conditions of Rule 10b-18 of the Securities Exchange Act of 1934 and limit the aggregate number of shares that may be purchased in each annual period (October 1 through the following September 30) to 10% of the Registrant's outstanding shares as of the first day of the plan year (October 1). The aggregate number of shares available for purchase for the October 1, 2017 plan year is 278,627.

ITEM 10. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS.

There were no material changes to the procedures by which shareholders may send recommendations to the Board for nominees to the Registrant's Board since the Registrant last provided disclosure as to such procedures in response to the requirements of Item 407 (c)(2)(iv) of Regulation S-K or this Item.

ITEM 11. CONTROLS AND PROCEDURES.

- (a) Based upon their evaluation of the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940 (the "Act")) as conducted within 90 days of the filing date of this Form N-CSR, the registrant's principal financial officer and principal executive officer have concluded that those disclosure controls and procedures provide reasonable assurance that the material information required to be disclosed by the registrant on this report is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms.

Table of Contents

- (b) There were no changes in the registrant's internal controls over financial reporting (as defined in Rule 30a-3(d) under the Act) that occurred during the second fiscal quarter covered by the report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

ITEM 12. DISCLOSURE OF SECURITIES LENDING ACTIVITIES FOR CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

Not applicable for semi-annual reports.

ITEM 13. EXHIBITS.

- (a) (1) Any code of ethics, or amendment thereto, that is the subject of the disclosure required by Item 2, to the extent that the registrant intends to satisfy the Item 2 requirements through filing of an exhibit. Not applicable.
- (2) A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the Act (17 CFR 270.30a-2): Attached hereto as EX-99.302CERT.
- (3) Any written solicitation to purchase securities under Rule 23c-1 under the Act (17 CFR 270.23c-1) sent or given during the period covered by the report by or on behalf of the registrant to 10 or more persons. Not applicable.
- (4) Change in the registrant's independent public accountant. Not applicable.
- (b) If the report is filed under Section 13(a) or 15(d) of the Exchange Act, provide the certifications required by Rule 30a-2(b) under the Act (17 CFR 270.30a-2(b)), Rule 13a-14(b) or Rule 15d-14(b) under the Exchange Act (17 CFR 240.13a-14(b) or 240.15d-14(b)) and Section 1350 of Chapter 63 of Title 18 of the United States Code (18 U.S.C. 1350) as an exhibit. A certification furnished pursuant to this paragraph will not be deemed filed for the purposes of Section 18 of the Exchange Act (15 U.S.C. 78r), or otherwise subject to the liability of that section. Such certification will not be deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Exchange Act, except to the extent that the registrant specifically incorporates it by reference: Attached hereto as EX-99.906CERT.

Table of Contents

Notice

A copy of the Agreement and Declaration of Trust, as amended, of the Registrant is on file with the Secretary of State of the Commonwealth of Massachusetts and notice is hereby given that this instrument is executed on behalf of the Registrant by an officer of the Registrant as an officer and not individually and the obligations of or arising out of this instrument are not binding upon any of the Trustees or shareholders individually, but are binding only upon the assets and property of the respective constituent series of the Registrant.

Table of Contents

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Registrant MFS CALIFORNIA MUNICIPAL FUND

By (Signature and Title)* DAVID L. DILORENZO
David L. DiLorenzo, President

Date: July 16, 2018

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title)* DAVID L. DILORENZO
David L. DiLorenzo, President
(Principal Executive Officer)

Date: July 16, 2018

By (Signature and Title)* JAMES O. YOST
James O. Yost, Treasurer
(Principal Financial Officer
and Accounting Officer)

Date: July 16, 2018

* Print name and title of each signing officer under his or her signature.