

MFS CALIFORNIA MUNICIPAL FUND
Form N-Q
October 28, 2010

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF
REGISTERED MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-9537

MFS CALIFORNIA MUNICIPAL FUND*

(Exact name of registrant as specified in charter)

500 Boylston Street, Boston, Massachusetts 02116

(Address of principal executive offices) (Zip code)

Susan S. Newton

Massachusetts Financial Services Company

500 Boylston Street

Boston, Massachusetts 02116

(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: August 31, 2010

* Effective October 1, 2010, the Registrant, formerly the MFS California Insured Municipal Fund, became the MFS California Municipal Fund.

ITEM 1. SCHEDULE OF INVESTMENTS.

MFS California Insured Municipal Fund

PORTFOLIO OF INVESTMENTS (unaudited) 8/31/10

| Issuer | Shares/Par | Value (\$) |
|---------------------------------------------------------------------------------------------------------------------|--------------|---------------|
| Municipal Bonds 171.7% | | |
| Airport & Port Revenue 4.5% | | |
| Los Angeles, CA, Department of Airports Rev. (Los Angeles International), C, BHAC, 5.25%, 2038 | \$ 750,000 | \$ 808,975 |
| Orange County, CA, Airport Rev., A, 5%, 2031 | 190,000 | 200,674 |
| Port of Oakland, CA, A, NATL, 5%, 2026 | 435,000 | 438,093 |
| | | \$ 1,447,742 |
| General Obligations - General Purpose 3.8% | | |
| State of California, AMBAC, 6%, 2017 | \$ 1,000,000 | \$ 1,210,070 |
| General Obligations - Schools 37.3% | | |
| Alhambra, CA, Unified School District, B, ASSD GTY, 5.25%, 2028 | \$ 500,000 | \$ 550,780 |
| Beverly Hills, CA, Unified School District, Capital Appreciation, (Election of 2008), 0%, 2029 | 665,000 | 273,694 |
| Chabot-Las Positas, CA, Community College, Capital Appreciation, (Election of 2004), B, AMBAC, 0%, 2026 | 970,000 | 412,939 |
| Chabot-Las Positas, CA, Community College (Election of 2004), B, AMBAC, 5%, 2030 | 250,000 | 265,198 |
| Culver City, CA, School Facilities Financing Authority Rev. (Culver City Unified School District), AGM, 5.5%, 2025 | 1,000,000 | 1,241,350 |
| Desert, CA, Community College District, C, AGM, 5%, 2037 | 500,000 | 527,135 |
| Escondido, CA, Union High School District, Capital Appreciation, (Election of 2008), A, ASSD GTY, 0%, 2034 | 500,000 | 319,820 |
| Fontana, CA, Unified School District (Election of 2006), B, AGM, 5.25%, 2026 | 500,000 | 553,440 |
| Lake Tahoe, CA, Unified School District, Capital Appreciation, (Election of 2008), AGM, 0%, 2045 | 515,000 | 143,129 |
| Montebello, CA, Unified School District (Election of 2004), A-1, ASSD GTY, 5.25%, 2034 | 355,000 | 379,190 |
| Pittsburg, CA, Unified School District, B, AGM, 5.5%, 2034 | 500,000 | 547,575 |
| Pomona, CA, Unified School District, A, NATL, 6.55%, 2029 | 1,000,000 | 1,190,090 |
| Rancho Santiago, CA, Community College District, AGM, 5.125%, 2029 | 175,000 | 201,275 |
| Rescue, CA, Unified School District, Capital Appreciation, (Election of 1998), NATL, 0%, 2026 | 1,125,000 | 492,638 |
| San Bernardino, CA, City Unified School District, Capital Appreciation, (Election of 1999), C, NATL, 0%, 2027 | 1,000,000 | 372,230 |
| San Diego, CA, Community College (Election of 2002), 5.25%, 2033 | 125,000 | 136,318 |
| San Diego, CA, Unified School District (Election of 1998), AGM, 5.25%, 2028 | 800,000 | 967,800 |
| Vallejo City, CA, Unified School District, A, NATL, 5.9%, 2025 | 500,000 | 533,905 |
| Victor, CA, Elementary School District (Election of 2008), A, ASSD GTY, 5.125%, 2034 | 500,000 | 535,220 |
| Washington, CA, Yolo County Unified School District (New High School Project), 5%, 2021 | 450,000 | 469,463 |
| West Contra Costa, CA, Unified School District, A, NATL, 5.7%, 2023 | 500,000 | 559,605 |
| West Covina, CA, Unified School District, A, NATL, 5.8%, 2021 | 500,000 | 577,815 |
| Yuba City, CA, Unified School District, Capital Appreciation, FGIC, 0%, 2018 | 1,000,000 | 676,970 |
| | | \$ 11,927,579 |
| Healthcare Revenue - Hospitals 11.0% | | |
| California Municipal Finance Authority, COP (Community Hospitals of Central California), 5.25%, 2027 | \$ 250,000 | \$ 252,018 |
| California Statewide Communities Development Authority Rev. (Adventist), ASSD GTY, 5%, 2037 | 500,000 | 516,075 |
| California Statewide Communities Development Authority Rev. (Catholic Healthcare West), K, ASSD GTY, 5.5%, 2041 (f) | 1,000,000 | 1,059,970 |
| California Statewide Communities Development Authority Rev. (Daughters of Charity Health), A, 5.25%, 2030 | 250,000 | 230,583 |

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California Statewide Communities Development Authority Rev. (Enloe Medical Center), A , CHCLI, 5.5%,
2023

500,000

541,080

MFS California Insured Municipal Fund**PORTFOLIO OF INVESTMENTS (unaudited) 8/31/10 - continued**

| Issuer | Shares/Par | Value (\$) |
|------------------------------------------------------------------------------------------------------------------|------------|--------------|
| Municipal Bonds continued | | |
| Healthcare Revenue - Hospitals continued | | |
| California Statewide Communities Development Authority Rev. (St. Joseph Health System), FGIC, 5.75%, 2047 | \$ 500,000 | \$ 519,575 |
| Santa Clara County, CA, Financing Authority Rev. (El Camino Hospital), AMBAC, 5.125%, 2041 | 400,000 | 410,152 |
| | | \$ 3,529,453 |
| Healthcare Revenue - Long Term Care 5.1% | | |
| ABAG Finance Authority for Non-Profit Corps., CA, Rev. (Casa de las Campanas), 6%, 2037 | \$ 385,000 | \$ 397,855 |
| ABAG Finance Authority for Non-Profit Corps., CA, Rev. (Odd Fellows Home), NATL, 6%, 2024 | 1,000,000 | 1,003,550 |
| California Statewide Communities Development Authority Rev. (Eskaton Properties, Inc.), 8.25%, 2010 (c) | 235,000 | 243,213 |
| | | \$ 1,644,618 |
| Miscellaneous Revenue - Other 4.9% | | |
| ABAG Finance Authority for Non-Profit Corps., CA, Rev. (Jackson Lab), 5.75%, 2037 | \$ 385,000 | \$ 400,596 |
| California Infrastructure & Economic Development Bank Rev. (Walt Disney Family Museum), 5.25%, 2033 | 160,000 | 165,650 |
| San Francisco, CA, City & County Redevelopment Agency, Hotel Tax Rev., AGM, 6.75%, 2025 | 1,000,000 | 1,003,600 |
| | | \$ 1,569,846 |
| Sales & Excise Tax Revenue 1.7% | | |
| Puerto Rico Sales Tax Financing Corp., Sales Tax Rev., C, AGM, 5.125%, 2042 | \$ 500,000 | \$ 528,435 |
| Single Family Housing - Local 0.1% | | |
| California Rural Home Mortgage Finance Authority Rev., Mortgage Backed Securities Program, A, GNMA, 6.35%, 2029 | \$ 5,000 | \$ 5,534 |
| California Rural Home Mortgage Finance Authority Rev., Mortgage Backed Securities Program, B4, GNMA, 6.35%, 2029 | 20,000 | 21,152 |
| | | \$ 26,686 |
| Single Family Housing - State 3.0% | | |
| California Housing Finance Agency Rev., Home Mortgage, E, FGIC, 5.05%, 2026 | \$ 995,000 | \$ 949,817 |
| Solid Waste Revenue 1.6% | | |
| Salinas Valley, CA, Solid Waste Authority Rev., AMBAC, 5.125%, 2022 | \$ 500,000 | \$ 502,875 |
| State & Agency - Other 1.5% | | |
| Sacramento County, CA, Public Facilities Project, COP, AMBAC, 4.75%, 2027 | \$ 500,000 | \$ 466,665 |
| State & Local Agencies 32.0% | | |
| Calabasas, CA, Certificate Participants (City Hall & Civic Center Project), AMBAC, 4.5%, 2041 | \$ 725,000 | \$ 704,802 |
| Compton, CA, Public Finance Authority, AMBAC, 5%, 2032 | 500,000 | 480,655 |
| Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., FGIC, 5%, 2035 | 255,000 | 256,907 |
| Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., BHAC, 5%, 2038 | 1,000,000 | 1,005,790 |
| Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., Enhanced, A, FGIC, 5%, 2035 | 1,000,000 | 972,260 |

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| | | |
|----------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
| Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., Enhanced, A , ASSD GTY, 5%, 2035 | 320,000 | 322,394 |
| Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., Enhanced, A , FGIC, 5%, 2038 | 1,000,000 | 963,610 |
| Huntington Park, CA, Public Financing Authority Rev., A , AGM, 5.25%, 2019 | 1,000,000 | 1,124,480 |
| Los Angeles County, CA, Schools Regionalized Business Service Corp., Pooled Financing, Capital Appreciation, A , AMBAC, 0%, 2018 | 2,020,000 | 1,349,946 |

MFS California Insured Municipal Fund**PORTFOLIO OF INVESTMENTS (unaudited) 8/31/10 - continued**

| Issuer | Shares/Par | Value (\$) |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| Municipal Bonds continued | | |
| State & Local Agencies continued | | |
| Los Angeles County, CA, Schools Regionalized Business Service Corp., Pooled Financing, Capital Appreciation, A, AMBAC, 0%, 2023 | \$ 2,220,000 | \$ 1,037,428 |
| Los Angeles, CA, Municipal Improvement Corp. Lease Rev., B, ASSD GTY, 5.5%, 2030 | 390,000 | 433,906 |
| Western Placer, CA, Unified School, B, ASSD GTY, 5.125%, 2047 | 1,200,000 | 1,223,784 |
| Yuba, CA, Levee Financing Authority Rev. (Levee Financing Project), A, ASSD GTY, 5%, 2038 | 330,000 | 336,828 |
| | | \$ 10,212,790 |
| Tax Assessment 14.7% | | |
| Fontana, CA, Public Finance Authority, Tax Allocation Rev. (Sub Lien North Fontana Redevelopment), A, AMBAC, 5%, 2029 | \$ 1,000,000 | \$ 971,230 |
| Huntington Beach, CA, Community Facilities District, Special Tax (Grand Coast Resort), 2000-1, 6.45%, 2031 | 100,000 | 100,944 |
| Lancaster, CA, Financing Authority, Tax Allocation Rev. (Projects No. 5 & 6 Redevelopment Projects), NATL, 5.25%, 2020 | 1,075,000 | 1,116,194 |
| Long Beach, CA, Bond Finance Authority, Tax Allocation Rev., C, AMBAC, 5.5%, 2031 | 750,000 | 704,580 |
| San Diego, CA, Redevelopment Agency, Tax Allocation Rev. (Centre City), A, AMBAC, 5.25%, 2025 | 500,000 | 509,255 |
| San Dieguito, CA, Public Facilities Authority, A, AMBAC, 5%, 2032 | 500,000 | 509,795 |
| San Jose, CA, Redevelopment Agency, Tax Allocation (Merged Area Redevelopment Project), C, NATL, 4.25%, 2030 | 900,000 | 791,091 |
| | | \$ 4,703,089 |
| Tobacco 5.6% | | |
| Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., A-1, 5.125%, 2047 | \$ 1,000,000 | \$ 673,240 |
| Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., A-1, 5.75%, 2047 | 1,500,000 | 1,119,420 |
| | | \$ 1,792,660 |
| Toll Roads 1.6% | | |
| Foothill/Eastern Corridor Agency, CA, Toll Road Rev., NATL, 5.125%, 2019 | \$ 500,000 | \$ 500,525 |
| Transportation - Special Tax 1.7% | | |
| Commonwealth of Puerto Rico Highway & Transportation Authority, Highway Rev., Y, AGM, 5.5%, 2016 (c) | \$ 450,000 | \$ 557,447 |
| Universities - Colleges 8.5% | | |
| California Educational Facilities Authority Rev. (Dominican University of California), 5%, 2025 | \$ 120,000 | \$ 120,246 |
| California Educational Facilities Authority Rev. (Pepperdine University), A, AMBAC, 5%, 2035 | 515,000 | 537,629 |
| California University Rev., C, NATL, 5%, 2029 | 1,500,000 | 1,602,405 |
| University Enterprises, Inc. (Auxiliary Organization), A, FGIC, 4.375%, 2030 | 500,000 | 470,335 |
| | | \$ 2,730,615 |
| Universities - Secondary Schools 1.7% | | |
| Banning, CA, Unified School District (2006 Election), B, ASSD GTY, 5.25%, 2033 | \$ 500,000 | \$ 530,515 |
| Utilities - Investor Owned 8.0% | | |

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| | | |
|----------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| California Pollution Control Financing Authority, Pollution Control Rev. (Pacific Gas & Electric Co.), NATL, 5.35%, 2016 | \$ 1,000,000 | \$ 1,034,720 |
| California Pollution Control Financing Authority, Pollution Control Rev. (Southern California Edison Co.), B , NATL, 5.45%, 2029 | 1,500,000 | 1,511,985 |
| | | \$ 2,546,705 |

Utilities - Municipal Owned 1.4%

| | | |
|----------------------------------------------------------------------------|------------|------------|
| Northern California Power Agency, Capital Facilities Rev., A , 5.25%, 2024 | \$ 390,000 | \$ 438,649 |
|----------------------------------------------------------------------------|------------|------------|

MFS California Insured Municipal Fund

PORTFOLIO OF INVESTMENTS (unaudited) 8/31/10 - continued

| Issuer | Shares/Par | Value (\$) |
|--------------------------------------------------------------------------------------------------------------------|------------|----------------------|
| Municipal Bonds continued | | |
| Utilities - Other 2.7% | | |
| California M-S-R Energy Authority Gas Rev., A, 6.5%, 2039 | \$ 245,000 | \$ 284,734 |
| Southern California Public Power Authority (Natural Gas Project No. 1), A, 5%, 2033 | 585,000 | 563,969 |
| | | \$ 848,703 |
| Water & Sewer Utility Revenue 19.3% | | |
| Atwater, CA, Public Financing Authority Wastewater Rev., ASSD GTY, 5%, 2034 | \$ 500,000 | \$ 518,830 |
| Hollister, CA, Joint Powers Financing Authority Wastewater Rev. (Refining & Improvement Project), 1, AGM, 5%, 2032 | 770,000 | 785,338 |
| Los Angeles, CA, Department of Water & Power Waterworks Rev., C, NATL, 5%, 2029 | 500,000 | 531,420 |
| Norco, CA, Financing Authority Enterprise Rev., AGM, 5.625%, 2039 | 215,000 | 236,046 |
| Pico Rivera, CA, Water Authority Rev. (Water Systems Project), A, NATL, 5.5%, 2029 | 2,000,000 | 2,283,860 |
| Sonoma County, CA, Water Agency Rev., A, AGM, 5%, 2036 | 600,000 | 625,182 |
| Wasco, CA, Semitropic Improvement District (Semitropic Water Storage District), A, 5%, 2038 | 405,000 | 423,266 |
| Woodland, CA, Financing Authority Wastewater Rev., 5%, 2033 | 750,000 | 765,713 |
| | | \$ 6,169,655 |
| Total Municipal Bonds | | \$ 54,835,139 |
| Money Market Funds (v) 3.3% | | |
| MFS Institutional Money Market Portfolio, 0.24%, at Net Asset Value | 1,072,456 | \$ 1,072,456 |
| Total Investments | | \$ 55,907,595 |
| Other Assets, Less Liabilities 1.5% | | 483,207 |
| Preferred shares (Issued by the Fund) (76.5)% | | (24,450,000) |
| Net Assets applicable to common shares 100.0% | | \$ 31,940,802 |

(c) Refunded bond.

(f) All or a portion of the security has been segregated as collateral for open futures contracts.

(v) Underlying fund that is available only to investment companies managed by MFS. The rate quoted is the annualized seven-day yield of the fund at period end.

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

COP Certificate of Participation

Insurers

AGM Assured Guaranty Municipal
 AMBAC AMBAC Indemnity Corp.

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ASSD GTY Assured Guaranty Insurance Co.
BHAC Berkshire Hathaway Assurance Corp.
CHCLI California Health Construction Loan Insurance
FGIC Financial Guaranty Insurance Co.
GNMA Government National Mortgage Assn.
NATL National Public Finance Guarantee Corp.

See attached supplemental information. For more information see notes to financial statements as disclosed in the most recent semiannual or annual report.

MFS California Insured Municipal Fund**Supplemental Information (Unaudited) 8/31/10****(1) Investment Valuations**

Debt instruments and floating rate loans (other than short-term instruments), 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 generally are valued at amortized cost, which approximates market value. Futures contracts are generally valued at last posted settlement price as provided by a third-party pricing service on the market on which they are primarily traded. Futures contracts for which there were no trades that day for a particular position are generally valued at the closing bid quotation as provided by a third-party pricing service on the market on which such futures contracts are primarily traded. 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. Values obtained from 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 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. The following is a summary of the levels used as of August 31, 2010 in valuing the fund's assets or liabilities:

| Investments at Value | Level 1 | Level 2 | Level 3 | Total |
|------------------------------------|---------------------|----------------------|----------------|----------------------|
| Municipal Bonds | \$ | \$ 54,835,139 | \$ | \$ 54,835,139 |
| Mutual Funds | 1,072,456 | | | 1,072,456 |
| Total Investments | \$ 1,072,456 | \$ 54,835,139 | \$ | \$ 55,907,595 |
| Other Financial Instruments | | | | |
| Futures | \$ (25,209) | \$ | \$ | \$ (25,209) |

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

MFS California Insured Municipal Fund**Supplemental Information (Unaudited) 8/31/10 - continued****(2) Portfolio Securities**

The cost and unrealized appreciation and depreciation in the value of the investments owned by the fund, as computed on a federal income tax basis, are as follows:

| | |
|--------------------------------------------|---------------|
| Aggregate cost | \$ 54,028,175 |
| Gross unrealized appreciation | \$ 2,919,984 |
| Gross unrealized depreciation | (1,040,564) |
| Net unrealized appreciation (depreciation) | \$ 1,879,420 |

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

(3) Derivative Contracts at 8/31/10**Futures Contracts Outstanding at 8/31/10**

| Description | Currency | Contracts | Value | Expiration Date | Unrealized Appreciation (Depreciation) |
|----------------------------------|----------|-----------|--------------|-----------------|----------------------------------------------|
| Liability Derivatives | | | | | |
| <i>Interest Rate Futures</i> | | | | | |
| U.S. Treasury Note 10 yr (Short) | USD | 44 | \$ 5,527,500 | December-2010 | \$ (10,895) |
| U.S. Treasury Bond 30 yr (Short) | USD | 35 | 4,726,094 | December-2010 | (14,314) |
| | | | | | \$ (25,209) |

At August 31, 2010 the fund had sufficient cash and/or other liquid securities to cover any commitments under these derivative contracts.

(4) Transactions in Underlying Funds-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:

| Underlying Funds | Beginning Shares/Par Amount | Acquisitions Shares/Par Amount | Dispositions Shares/Par Amount | Ending Shares/Par Amount |
|------------------------------------------|-----------------------------------|--------------------------------------|--------------------------------------|--------------------------------|
| MFS Institutional Money Market Portfolio | 658,893 | 10,391,643 | (9,978,080) | 1,072,456 |
| Underlying Funds | Realized Gain | Capital Gain Distributions | Dividend Income | Ending Value |

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| | (Loss) | | | |
|------------------------------------------|--------|----|----------|--------------|
| MFS Institutional Money Market Portfolio | \$ | \$ | \$ 1,283 | \$ 1,072,456 |

(5) Subsequent Event Note

At a meeting held June 22, 2010, the Board of Trustees of the fund voted to change the fund's investment policy related to investments in insured obligations and to rename the fund. Subject to fulfilling certain regulatory and rating agency requirements, on or about October 1, 2010, the fund will be called MFS California Municipal Fund and will no longer be required to have at least 80% of its net assets invested in municipal instruments covered by insurance.

ITEM 2. CONTROLS AND PROCEDURES.

- (a) Based upon their evaluation of the effectiveness 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-Q, 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.

- (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 registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

ITEM 3. EXHIBITS.

File as exhibits as part of this Form 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.

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.

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)* MARIA F. DWYER
Maria F. Dwyer, President

Date: October 18, 2010

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)* MARIA F. DWYER
Maria F. Dwyer, President

(Principal Executive Officer)

Date: October 18, 2010

By (Signature and Title)* JOHN M. CORCORAN
John M. Corcoran, Treasurer
(Principal Financial Officer
and Accounting Officer)

Date: October 18, 2010

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