

EATON VANCE CALIFORNIA MUNICIPAL BOND FUND
Form N-Q
August 26, 2016

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form N-Q

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES**

811-21147

Investment Company Act File Number

Eaton Vance California Municipal Bond Fund

(Exact Name of Registrant as Specified in Charter)

Two International Place, Boston, Massachusetts 02110

(Address of Principal Executive Offices)

Maureen A. Gemma

Two International Place, Boston, Massachusetts 02110

(Name and Address of Agent for Services)

(617) 482-8260

(Registrant's Telephone Number, Including Area Code)

September 30

Date of Fiscal Year End

June 30, 2016

Date of Reporting Period

Item 1. Schedule of Investments

Eaton Vance**California Municipal Bond Fund****June 30, 2016****PORTFOLIO OF INVESTMENTS (Unaudited)****Tax-Exempt Investments 165.0%**

| Security | Principal Amount (000 s omitted) | Value |
|---|--|----------------------|
| Education 12.8% | | |
| California Educational Facilities Authority, (California Institute of Technology), 5.00%, 11/1/39 ⁽¹⁾ | \$ 10,000 | \$ 11,336,100 |
| California Educational Facilities Authority, (Claremont McKenna College), 5.00%, 1/1/27 | 770 | 818,448 |
| California Educational Facilities Authority, (Harvey Mudd College), 5.25%, 12/1/31 | 550 | 657,409 |
| California Educational Facilities Authority, (Harvey Mudd College), 5.25%, 12/1/36 | 940 | 1,123,573 |
| California Educational Facilities Authority, (Loyola Marymount University), 5.00%, 10/1/30 | 1,375 | 1,543,754 |
| California Educational Facilities Authority, (Santa Clara University), 5.00%, 2/1/29 | 285 | 321,702 |
| California Educational Facilities Authority, (University of San Francisco), 6.125%, 10/1/36 | 650 | 806,208 |
| California Educational Facilities Authority, (University of Southern California), 5.25%, 10/1/39 | 6,200 | 6,822,356 |
| California Educational Facilities Authority, (University of the Pacific), 5.00%, 11/1/30 | 1,790 | 2,096,878 |
| California Municipal Finance Authority, (University of San Diego), 5.00%, 10/1/31 | 1,175 | 1,381,471 |
| California Municipal Finance Authority, (University of San Diego), 5.00%, 10/1/35 | 800 | 941,904 |
| California Municipal Finance Authority, (University of San Diego), 5.25%, 10/1/26 | 2,270 | 2,730,833 |
| California Municipal Finance Authority, (University of San Diego), 5.25%, 10/1/27 | 2,395 | 2,862,025 |
| California Municipal Finance Authority, (University of San Diego), 5.25%, 10/1/28 | 2,520 | 2,991,719 |
| | | \$ 36,434,380 |
| Electric Utilities 1.4% | | |
| Southern California Public Power Authority, (Tieton Hydropower), 5.00%, 7/1/35 | \$ 1,890 | \$ 2,170,287 |
| Vernon, Electric System Revenue, 5.125%, 8/1/21 | 1,650 | 1,846,053 |
| | | \$ 4,016,340 |
| Escrowed/Prerefunded 2.8% | | |
| California Educational Facilities Authority, (Claremont McKenna College), Prerefunded to 1/1/18, 5.00%, 1/1/27 | \$ 1,910 | \$ 2,036,289 |
| San Francisco Bay Area Rapid Transit District, (Election of 2004), Prerefunded to 8/1/17, 5.00%, 8/1/35 | 5,000 | 5,239,450 |
| Vernon, Electric System Revenue, Prerefunded to 8/1/19, 5.125%, 8/1/21 | 725 | 791,715 |
| | | \$ 8,067,454 |
| General Obligations 47.0% | | |
| Burbank Unified School District, (Election of 2013), 4.00%, 8/1/31 ⁽¹⁾ | \$ 6,900 | \$ 7,817,217 |
| California, 5.50%, 11/1/35 | 4,600 | 5,510,846 |
| Contra Costa Community College District, (Election of 2006), 5.00%, 8/1/38 | 20 | 24,493 |
| Contra Costa Community College District, (Election of 2006), 5.00%, 8/1/38 ⁽¹⁾ | 9,750 | 11,940,337 |
| Desert Community College District, 5.00%, 8/1/37 ⁽¹⁾ | 7,500 | 9,372,075 |
| Foothill-De Anza Community College District, 5.00%, 8/1/36 ⁽¹⁾ | 10,000 | 11,724,200 |
| Mountain View Whisman School District, (Election of 2012), 4.00%, 9/1/42 ⁽¹⁾ | 10,000 | 11,504,100 |

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| | | |
|---|--------|-----------------------|
| Palo Alto, (Election of 2008), 5.00%, 8/1/40 ⁽¹⁾ | 7,020 | 8,109,153 |
| Palomar Community College District, 5.00%, 8/1/44 ⁽¹⁾ | 10,000 | 12,378,000 |
| San Bernardino Community College District, 4.00%, 8/1/27 ⁽¹⁾ | 5,775 | 6,675,207 |
| San Diego Community College District, (Election of 2002), 5.00%, 8/1/32 | 1,375 | 1,615,762 |
| San Diego Community College District, (Election of 2006), 5.00%, 8/1/31 | 2,545 | 2,997,476 |
| San Jose Unified School District, 5.00%, 8/1/32 ⁽¹⁾ | 7,500 | 9,532,050 |
| San Jose-Evergreen Community College District, (Election of 2010), 5.00%, 8/1/37 ⁽¹⁾ | 4,975 | 5,978,806 |
| Santa Monica Community College District, (Election of 2008), 5.00%, 8/1/44 ⁽¹⁾ | 7,500 | 9,209,775 |
| Torrance Unified School District, (Election of 2008), 5.00%, 8/1/35 | 7,500 | 9,269,700 |
| Ventura County Community College District, 5.00%, 8/1/30 ⁽¹⁾ | 8,000 | 10,221,600 |
| | | \$ 133,880,797 |

| Security | Principal Amount (000 s omitted) | Value |
|--|--|----------------------|
| Hospital 12.8% | | |
| California Health Facilities Financing Authority, (Catholic Healthcare West), 5.25%, 3/1/27 | \$ 1,750 | \$ 2,067,975 |
| California Health Facilities Financing Authority, (Catholic Healthcare West), 5.25%, 3/1/28 | 550 | 643,703 |
| California Health Facilities Financing Authority, (Cedars-Sinai Medical Center), 5.00%, 8/15/39 | 4,505 | 5,062,449 |
| California Health Facilities Financing Authority, (City of Hope), 5.00%, 11/15/32 | 1,795 | 2,167,678 |
| California Health Facilities Financing Authority, (City of Hope), 5.00%, 11/15/35 | 2,565 | 3,083,746 |
| California Health Facilities Financing Authority, (St. Joseph Health System), 5.00%, 7/1/33 | 4,480 | 5,425,818 |
| California Health Facilities Financing Authority, (St. Joseph Health System), 5.00%, 7/1/37 | 2,100 | 2,518,866 |
| California Health Facilities Financing Authority, (Sutter Health), 5.25%, 8/15/31 ⁽¹⁾ | 5,000 | 6,117,850 |
| California Statewide Communities Development Authority, (John Muir Health), 5.00%, 8/15/34 | 2,170 | 2,182,369 |
| Torrance, (Torrance Memorial Medical Center), 5.50%, 6/1/31 | 3,950 | 4,015,728 |
| Washington Township Health Care District, 5.00%, 7/1/32 | 3,165 | 3,263,431 |
| | | \$ 36,549,613 |

| | | |
|--|-----------|----------------------|
| Insured-Electric Utilities 11.5% | | |
| Anaheim Public Financing Authority, (Electric System District), (BHAC), (NPF), 4.50%, 10/1/32 ⁽¹⁾ | \$ 20,000 | \$ 20,580,599 |
| Northern California Power Agency, (Hydroelectric), (AGC), 5.00%, 7/1/24 | 2,000 | 2,167,180 |
| Puerto Rico Electric Power Authority, (NPF), 5.25%, 7/1/34 | 3,840 | 3,963,686 |
| Sacramento Municipal Utility District, (AGM), 5.00%, 8/15/27 | 1,000 | 1,090,840 |
| Sacramento Municipal Utility District, (AMBAC), (BHAC), 5.25%, 7/1/24 | 4,000 | 5,063,720 |
| | | \$ 32,866,025 |

| | | |
|---|----------|----------------------|
| Insured-Escrowed/Prerefunded 13.2% | | |
| Antelope Valley Community College District, (Election of 2004), (NPF), Prerefunded to 8/1/17, 5.25%, 8/1/39 | \$ 4,175 | \$ 4,390,681 |
| Coast Community College District, (Election of 2002), (AGM), Prerefunded to 8/1/16, 0.00%, 8/1/34 | 23,150 | 8,744,449 |
| East Bay Municipal Utility District, Water System Revenue, (AGM), (FGIC), Prerefunded to 6/1/17, 5.00%, 6/1/32 | 345 | 359,311 |
| Glendale, Electric System Revenue, (AGC), Prerefunded to 2/1/18, 5.00%, 2/1/31 | 2,240 | 2,397,494 |
| Riverside Community College District, (Election of 2004), (AGM), (NPF), Prerefunded to 8/1/17, 5.00%, 8/1/32 | 5,705 | 5,984,317 |
| San Diego County Water Authority, Certificates of Participation, (AGM), Prerefunded to 5/1/18, 5.00%, 5/1/38 ⁽¹⁾ | 10,000 | 10,809,600 |
| San Luis Obispo County, (Nacimiento Water Project), (BHAC), (NPF), Prerefunded to 9/1/17, 5.00%, 9/1/38 | 4,750 | 4,998,045 |
| | | \$ 37,683,897 |

| | | |
|--|----------|----------------------|
| Insured-General Obligations 13.1% | | |
| Burbank Unified School District, (Election of 1997), (NPF), 0.00%, 8/1/21 | \$ 4,135 | \$ 3,861,139 |
| Palm Springs Unified School District, (Election of 2008), (AGC), 5.00%, 8/1/33 | 4,500 | 5,096,070 |
| San Diego Unified School District, (NPF), 0.00%, 7/1/22 | 2,300 | 2,082,742 |
| San Diego Unified School District, (NPF), 0.00%, 7/1/23 | 5,000 | 4,416,500 |
| San Juan Unified School District, (AGM), 0.00%, 8/1/21 | 5,630 | 5,243,444 |
| San Mateo County Community College District, (NPF), 0.00%, 9/1/22 | 4,840 | 4,434,940 |
| San Mateo County Community College District, (NPF), 0.00%, 9/1/23 | 4,365 | 3,903,401 |
| San Mateo County Community College District, (NPF), 0.00%, 9/1/25 | 3,955 | 3,398,176 |
| San Mateo Union High School District, (NPF), 0.00%, 9/1/21 | 5,240 | 4,877,392 |
| | | \$ 37,313,804 |

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Insured-Hospital 4.4%

| | | |
|---|-----------|----------------------|
| California Statewide Communities Development Authority, (Kaiser Permanente), (BHAC), 5.00%, 4/1/31 ⁽¹⁾ | \$ 10,000 | \$ 10,306,600 |
| California Statewide Communities Development Authority, (Sutter Health), (AMBAC), (BHAC), 5.00%, 11/15/38 ⁽¹⁾ | 2,000 | 2,068,600 |
| | | \$ 12,375,200 |

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| Security | Principal Amount (000 s omitted) | Value |
|---|--|----------------------|
| Insured-Special Tax Revenue 5.9% | | |
| Hesperia Public Financing Authority, (Redevelopment and Housing Projects), (XLCA), 5.00%, 9/1/31 | \$ 595 | \$ 609,102 |
| Hesperia Public Financing Authority, (Redevelopment and Housing Projects), (XLCA), 5.00%, 9/1/37 | 7,240 | 7,381,397 |
| Pomona Public Financing Authority, (NPFPG), 5.00%, 2/1/33 | 5,940 | 5,961,978 |
| Puerto Rico Sales Tax Financing Corp., (NPFPG), 0.00%, 8/1/45 | 15,020 | 2,738,446 |
| | | \$ 16,690,923 |
| Insured-Transportation 1.4% | | |
| San Jose, Airport Revenue, (AMBAC), 5.00%, 3/1/33 | \$ 1,885 | \$ 1,937,328 |
| San Jose, Airport Revenue, (AMBAC), 5.00%, 3/1/37 | 2,040 | 2,095,794 |
| | | \$ 4,033,122 |
| Insured-Water and Sewer 1.7% | | |
| Riverside, Water System Revenue, (AGM), 5.00%, 10/1/38 | \$ 1,595 | \$ 1,746,972 |
| San Luis Obispo County, (Nacimiento Water Project), (BHAC), (NPFPG), 5.00%, 9/1/38 | 250 | 262,265 |
| San Luis Obispo County, (Nacimiento Water Project), (NPFPG), 4.50%, 9/1/40 | 2,750 | 2,865,967 |
| | | \$ 4,875,204 |
| Lease Revenue/Certificates of Participation 1.1% | | |
| California Public Works Board, 5.00%, 11/1/38 | \$ 2,565 | \$ 3,116,834 |
| | | \$ 3,116,834 |
| Special Tax Revenue 10.4% | | |
| Jurupa Public Financing Authority, 5.00%, 9/1/30 | \$ 625 | \$ 765,656 |
| Jurupa Public Financing Authority, 5.00%, 9/1/32 | 625 | 759,350 |
| Riverside County Transportation Commission, Sales Tax Revenue, 5.25%, 6/1/39 ⁽¹⁾ | 6,285 | 7,861,273 |
| San Bernardino County Transportation Authority, 5.25%, 3/1/40 | 5 | 6,202 |
| San Bernardino County Transportation Authority, 5.25%, 3/1/40 ⁽¹⁾ | 10,375 | 12,869,357 |
| San Francisco Bay Area Rapid Transportation District, Sales Tax Revenue, 5.00%, 7/1/36 ⁽¹⁾ | 6,250 | 7,477,563 |
| | | \$ 29,739,401 |
| Transportation 11.2% | | |
| Bay Area Toll Authority, Toll Bridge Revenue, (San Francisco Bay Area), Prerefunded to 4/1/19, 5.25%, 4/1/29 ⁽¹⁾ | \$ 6,500 | \$ 7,311,525 |
| Long Beach, Harbor Revenue, 5.00%, 5/15/27 | 1,960 | 2,278,147 |
| Long Beach, Harbor Revenue, 5.00%, 5/15/42 ⁽¹⁾ | 7,500 | 9,328,125 |
| Los Angeles Department of Airports, (Los Angeles International Airport), 5.00%, 5/15/35 ⁽¹⁾ | 7,500 | 8,597,925 |
| San Francisco City and County Airport Commission, (San Francisco International Airport), 5.00%, 5/1/35 | 2,190 | 2,491,059 |
| San Jose, Airport Revenue, 5.00%, 3/1/31 | 1,750 | 2,008,300 |
| | | \$ 32,015,081 |
| Water and Sewer 14.3% | | |
| Beverly Hills Public Financing Authority, Water Revenue, 5.00%, 6/1/37 ⁽¹⁾ | \$ 5,725 | \$ 6,873,836 |
| Los Angeles Department of Water and Power, Waterworks Revenue, 5.00%, 7/1/39 ⁽¹⁾ | 10,000 | 12,316,400 |
| Los Angeles, Wastewater System Revenue, 5.00%, 6/1/43 ⁽¹⁾ | 7,500 | 9,131,025 |

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| | | |
|--|--------|-------------------------|
| Orange County, Sanitation District Wastewater Revenue, 5.00%, 2/1/35 ⁽¹⁾ | 10,000 | 12,491,700 |
| | | \$ 40,812,961 |
| Total Tax-Exempt Investments 165.0% (identified cost \$425,210,697) | | \$ 470,471,036 |
| Other Assets, Less Liabilities (65.0)% | | \$ (185,360,117) |
| Net Assets 100.0% | | \$ 285,110,919 |

The percentage shown for each investment category in the Portfolio of Investments is based on net assets.

The Fund invests primarily in debt securities issued by California municipalities. The ability of the issuers of the debt securities to meet their obligations may be affected by economic developments in a specific industry or municipality. In order to reduce the risk associated with such economic developments, at June 30, 2016, 31.0% of total investments are backed by bond insurance of various financial institutions and financial guaranty assurance agencies. The aggregate percentage insured by an individual financial institution or financial guaranty assurance agency ranged from 0.1% to 16.7% of total investments.

(1) Security represents the municipal bond held by a trust that issues residual interest bonds.

Futures Contracts

| Description | Contracts | Position | Expiration Month/Year | Aggregate Cost | Value | Net Unrealized Depreciation |
|------------------------------|-----------|----------|--------------------------|-----------------|-----------------|--------------------------------|
| Interest Rate Futures | | | | | | |
| U.S. 10-Year Treasury Note | 100 | Short | Sep-16 | \$ (12,945,918) | \$ (13,298,437) | \$ (352,519) |
| U.S. Long Treasury Bond | 79 | Short | Sep-16 | (12,851,127) | (13,615,156) | (764,029) |
| | | | | | | \$ (1,116,548) |

Abbreviations:

- AGC - Assured Guaranty Corp.
- AGM - Assured Guaranty Municipal Corp.
- AMBAC - AMBAC Financial Group, Inc.
- BHAC - Berkshire Hathaway Assurance Corp.
- FGIC - Financial Guaranty Insurance Company
- NPFG - National Public Finance Guaranty Corp.
- XLCA - XL Capital Assurance, Inc.

At June 30, 2016, the Fund had sufficient cash and/or securities to cover commitments under open derivative contracts.

The Fund is subject to interest rate risk in the normal course of pursuing its investment objective. Because the Fund holds fixed-rate bonds, the value of these bonds may decrease if interest rates rise. The Fund enters into U.S. Treasury futures contracts to hedge against changes in interest rates.

At June 30, 2016, the aggregate fair value of open derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) in a liability position and whose primary underlying risk exposure is interest rate risk was \$1,116,548.

The cost and unrealized appreciation (depreciation) of investments of the Fund at June 30, 2016, as determined on a federal income tax basis, were as follows:

| | |
|-----------------------|-----------------------|
| Aggregate cost | \$ 231,405,635 |
|-----------------------|-----------------------|

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| | |
|------------------------------------|----------------------|
| Gross unrealized appreciation | \$ 45,978,609 |
| Gross unrealized depreciation | (793,208) |
| Net unrealized appreciation | \$ 45,185,401 |

Under generally accepted accounting principles for fair value measurements, a three-tier hierarchy to prioritize the assumptions, referred to as inputs, is used in valuation techniques to measure fair value. The three-tier hierarchy of inputs is summarized in the three broad levels listed below.

Level 1 quoted prices in active markets for identical investments

Level 2 other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.)

Level 3 significant unobservable inputs (including a fund's own assumptions in determining the fair value of investments)

In cases where the inputs used to measure fair value fall in different levels of the fair value hierarchy, the level disclosed is determined based on the lowest level input that is significant to the fair value measurement in its entirety. The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

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At June 30, 2016, the hierarchy of inputs used in valuing the Fund's investments and open derivative instruments, which are carried at value, were as follows:

| Asset Description | Level 1 | Level 2 | Level 3 | Total |
|------------------------------|-----------------------|-----------------------|----------------|-----------------------|
| Tax-Exempt Investments | \$ | \$ 470,471,036 | \$ | \$ 470,471,036 |
| Total Investments | \$ | \$ 470,471,036 | \$ | \$ 470,471,036 |
| | | | | |
| Liability Description | | | | |
| Futures Contracts | \$ (1,116,548) | \$ | \$ | \$ (1,116,548) |
| Total | \$ (1,116,548) | \$ | \$ | \$ (1,116,548) |

The Fund held no investments or other financial instruments as of September 30, 2015 whose fair value was determined using Level 3 inputs. At June 30, 2016, there were no investments transferred between Level 1 and Level 2 during the fiscal year to date then ended.

For information on the Fund's policy regarding the valuation of investments and other significant accounting policies, please refer to the Fund's most recent financial statements included in its semiannual or annual report to shareholders.

Item 2. Controls and Procedures

(a) It is the conclusion of the registrant's principal executive officer and principal financial officer that the effectiveness of the registrant's current disclosure controls and procedures (such disclosure controls and procedures having been evaluated within 90 days of the date of this filing) provide reasonable assurance that the information required to be disclosed by the registrant on this Form N-Q has been recorded, processed, summarized and reported within the time period specified in the Commission's rules and forms and that the information required to be disclosed by the registrant on this Form N-Q has been accumulated and communicated to the registrant's principal executive officer and principal financial officer in order to allow timely decisions regarding required disclosure.

(b) There have been no changes in the registrant's internal controls over financial reporting during the fiscal quarter for which the report is being filed that have materially affected, or are reasonably likely to materially affect the registrant's internal control over financial reporting.

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.

Eaton Vance California Municipal Bond Fund

By: /s/ Payson F. Swaffield
Payson F. Swaffield
President

Date: August 22, 2016

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: /s/ Payson F. Swaffield
Payson F. Swaffield
President

Date: August 22, 2016

By: /s/ James F. Kirchner
James F. Kirchner
Treasurer

Date: August 22, 2016