

PIMCO CALIFORNIA MUNICIPAL INCOME FUND III
Form N-Q
February 23, 2010

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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM N-Q
QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED
MANAGEMENT INVESTMENT COMPANY**

Investment Company Act File Number: 811-21188

Registrant Name: PIMCO California Municipal Income Fund III

Address of Principal Executive Offices: 1345 Avenue of the Americas,
New York, NY 10105

Name and Address of Agent for Service: Lawrence G. Altadonna
1345 Avenue of the Americas,
New York, NY 10105

Registrant's telephone number, including area code: 212-739-3371

Date of Fiscal Year End: September 30, 2010

Date of Reporting Period: December 31, 2009

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (§§ 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget (OMB) control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 100 F Street, NE, Washington, DC 20549-2001. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. § 3507.

Item 1. Schedule of Investments**PIMCO California Municipal Income Fund III Schedule of Investments**

December 31, 2009 (unaudited)

| Principal Amount (000s) | | Credit Rating (Moody's/S&P) | Value* |
|---|--|--------------------------------|--------------|
| CALIFORNIA MUNICIPAL BONDS & NOTES 94.4% | | | |
| | Assoc. of Bay Area Gov't Finance Auth. for Nonprofit Corps. Rev., | | |
| | Odd Fellows Home of California, Ser. A (CA Mtg. Ins.), | | |
| \$ 3,200 | 5.20%, 11/15/22 | NR/A | \$ 3,225,952 |
| 11,725 | 5.35%, 11/15/32 | NR/A | 11,724,179 |
| 1,000 | Cathedral City Public Financing Auth., Tax Allocation, 5.00%, 8/1/33, Ser. A (NPFGC) | Baa1/A | 842,430 |
| 1,150 | Ceres Redev. Agcy., Tax Allocation, Project Area No. 1, 5.00%, 11/1/33 (NPFGC) | Baa1/A | 948,210 |
| 2,000 | Chula Vista Rev., San Diego Gas & Electric, 5.875%, 2/15/34, Ser. B | Aa3/A+ | 2,187,980 |
| 550 | City & Cnty. of San Francisco, Capital Improvement Projects, CP, 5.25%, 4/1/31, Ser. A | A1/AA- | 558,806 |
| 1,415 | Contra Costa Cnty. Public Financing Auth., Tax Allocation, 5.625%, 8/1/33, Ser. A | NR/BBB | 1,341,618 |
| 3,775 | Cucamonga School Dist., CP, 5.20%, 6/1/27 Educational Facs. Auth. Rev., | NR/A- | 3,520,112 |
| 9,800 | Claremont McKenna College, 5.00%, 1/1/39 (f) | Aa2/NR | 10,020,598 |
| 3,300 | Pepperdine Univ., 5.00%, 9/1/33, Ser. A (FGIC-NPFGC) | Aa3/A | 3,302,211 |
| 10,000 | Univ. of Southern California, 5.00%, 10/1/39, Ser. A (f) | Aa1/AA+ | 10,401,200 |
| 1,695 | El Dorado Irrigation Dist. & El Dorado Water Agcy., CP, 5.75%, 8/1/39, Ser. A | Aa3/AAA | 1,768,071 |
| 11,000 | Golden State Tobacco Securitization Corp. Rev., 5.00%, 6/1/45 (AMBAC-TCRS) | Baa2/A- | 9,190,280 |
| 4,000 | 5.00%, 6/1/45, Ser. A (FGIC-TCRS) | Baa2/A- | 3,341,920 |
| 500 | Hartnell Community College Dist., GO, zero coupon, 8/1/34, Ser. D | A1/AA- | 210,140 |
| | Health Facs. Financing Auth. Rev., Adventist Health System, Ser. A, | | |
| 500 | 5.00%, 3/1/33 | NR/A | 458,460 |
| 4,000 | 5.75%, 9/1/39 | NR/A | 4,014,360 |
| | Catholic Healthcare West, Ser. A, | | |
| 1,935 | 6.00%, 7/1/34 | A2/A | 2,037,265 |
| 4,000 | 6.00%, 7/1/39 | A2/A | 4,231,080 |
| 500 | Children's Hospital of Orange Cnty., 6.50%, 11/1/38, Ser. A | NR/A | 529,325 |
| 6,000 | Cottage Health System, 5.00%, 11/1/33, Ser. B (NPFGC) | Baa1/A+ | 5,424,540 |
| | Paradise VY Estates (CA Mtg. Ins.), | | |
| 2,000 | 5.125%, 1/1/22 | NR/A | 1,988,480 |
| 1,550 | 5.25%, 1/1/26 | NR/A | 1,512,335 |

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| | | | |
|--------|---|---------|------------|
| | Infrastructure & Economic Dev. Bank Rev., Kaiser Hospital Assistance, | | |
| 3,000 | 5.50%, 8/1/31, Ser. B | NR/A | 3,007,560 |
| 8,000 | 5.55%, 8/1/31, Ser. A | NR/A+ | 8,097,600 |
| 20 | Lancaster Financing Auth., Tax Allocation, 4.75%, 2/1/34 (NPFGC) | Baa1/A | 15,947 |
| 500 | Lancaster Redev. Agcy., Tax Allocation, 6.875%, 8/1/39 | NR/A | 527,380 |
| 5,600 | Long Beach Bond Finance Auth. Rev., Long Beach Natural Gas, 5.50%, 11/15/37, Ser. A | A2/A | 5,280,464 |
| 5,000 | Long Beach Unified School Dist., GO, 5.75%, 8/1/33, Ser. A | Aa3/AA- | 5,412,700 |
| 6,000 | Los Angeles Department of Water & Power Rev. (f), 4.75%, 7/1/30, Ser. A-2 (FSA) | Aa3/AAA | 6,083,820 |
| 10,000 | 5.00%, 7/1/39, Ser. A | Aa3/AA- | 10,151,800 |
| 9,580 | Los Angeles Unified School Dist., GO, 4.75%, 1/1/28, Ser. A (NPFGC) | Aa3/AA- | 9,499,911 |
| 10,000 | 5.00%, 1/1/34, Ser. I (f) | Aa3/AA- | 10,044,900 |
| 550 | Malibu, City Hall Project, CP, 5.00%, 7/1/39, Ser. A | NR/AA+ | 554,543 |
| 1,000 | Manteca Financing Auth. Sewer Rev., 5.75%, 12/1/36 | A2/AAA | 1,061,170 |

PIMCO California Municipal Income Fund III Schedule of Investments

December 31, 2009 (unaudited)

| Principal Amount (000s) | | Credit Rating (Moody s/S&P) | Value* |
|----------------------------|---|--------------------------------|--------------|
| \$ 5,000 | Metropolitan Water Dist. of Southern California Rev., 5.00%, 7/1/37, Ser. A (f) | Aa2/AAA | \$ 5,167,000 |
| 5,280 | Modesto Irrigation Dist., Capital Improvements, CP, 5.00%, 7/1/33, Ser. A (NPFGC) | A1/A+ | 5,123,765 |
| 3,000 | Montebello Unified School Dist., GO, 5.00%, 8/1/33 (FSA) | Aa3/AAA | 3,016,500 |
| 200 | M-S-R Energy Auth. Rev., 6.50%, 11/1/39, Ser. B | NR/A | 212,626 |
| 5,000 | Oakland, GO, 5.00%, 1/15/33, Ser. A (NPFGC) | A1/AA- | 4,821,100 |
| 5,000 | Orange Cnty. Unified School Dist., CP, 4.75%, 6/1/29 (NPFGC) | A1/A+ | 5,167,000 |
| 4,560 | Orange Cnty. Water Dist. Rev., CP, Ser. B (NPFGC), 5.00%, 8/15/34 | Aa2/AAA | 4,621,286 |
| 965 | 5.00%, 8/15/34 | NR/AAA | 1,080,356 |
| 2,000 | Palm Desert Financing Auth., Tax Allocation, 5.00%, 4/1/25, Ser. A (NPFGC) | Baa1/A | 1,824,980 |
| 1,250 | Peralta Community College Dist., GO, 5.00%, 8/1/39, Ser. C | NR/AA- | 1,205,100 |
| 1,410 | Pomona Public Financing Auth. Sewer Rev., 5.00%, 12/1/37, Ser. AF (NPFGC) | A3/AA- | 1,325,231 |
| 1,950 | Poway Unified School Dist., Special Tax, 5.125%, 9/1/28 | NR/BBB | 1,768,007 |
| 5,000 | Riverside, CP, 5.00%, 9/1/33 (AMBAC) | NR/A+ | 4,785,750 |
| 500 | Rocklin Unified School Dist. Community Facs., Special Tax, 5.00%, 9/1/29 (NPFGC) | Baa1/A | 457,555 |
| 3,250 | Sacramento Municipal Utility Dist. Rev., 5.00%, 8/15/33, Ser. R (NPFGC) | A1/A+ | 3,196,733 |
| 6,250 | San Diego Cnty. Water Auth., CP, 5.00%, 5/1/38, Ser. A (FSA) | Aa3/AAA | 6,221,375 |
| 12,075 | San Diego Community College Dist., GO, 5.00%, 5/1/28, Ser. A (FSA) | Aa2/AAA | 12,476,494 |
| 2,000 | San Diego Public Facs. Financing Auth. Rev., 5.25%, 5/15/39, Ser. A | A2/A+ | 2,061,000 |
| 2,200 | San Diego Regional Building Auth. Rev., Cnty. Operations Center & Annex, 5.375%, 2/1/36, Ser. A | A1/AA+ | 2,265,956 |
| 1,500 | San Diego State Univ. Rev., 5.00%, 3/1/27, Ser. A (NPFGC) | Baa1/A | 1,529,010 |
| 3,000 | San Jose, Libraries & Parks Project, GO, 5.125%, 9/1/31 | Aa1/AAA | 3,054,270 |
| 13,200 | San Marcos Public Facs. Auth., Tax Allocation, 5.00%, 8/1/33, Ser. A (FGIC-NPFGC) | A3/A | 11,517,792 |
| 500 | Santa Clara Cnty. Financing Auth. Rev., 5.75%, 2/1/41, Ser. A (AMBAC) | A1/A+ | 519,860 |
| 1,200 | Santa Cruz Cnty. Redev. Agcy., Tax Allocation, Live Oak/Soquel Community, 7.00%, 9/1/36, Ser. A | A2/A | 1,296,336 |
| 4,425 | South Tahoe JT Powers Financing Auth. Rev., 5.45%, 10/1/33, Ser. A | NR/BBB | 3,994,624 |
| 4,095 | State Department Veteran Affairs Rev., 5.35%, 12/1/27, Ser. A (AMBAC) | Aa2/AA- | 4,076,122 |

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| | | | |
|--------|---|---------|------------|
| 7,300 | State, GO, 6.00%, 4/1/38 State Public Works Board Rev., | Baa1/A | 7,444,321 |
| 2,000 | California State Univ., 6.00%, 11/1/34, Ser. J | A1/A- | 2,019,000 |
| 2,600 | Univ. CA M.I.N.D. Inst., 5.00%, 4/1/28, Ser. A Statewide Communities Dev. Auth. Rev., Catholic Healthcare West, | Aa2/AA- | 2,620,644 |
| 1,200 | 5.50%, 7/1/31, Ser. D | A2/A | 1,220,592 |
| 1,200 | 5.50%, 7/1/31, Ser. E | A2/A | 1,220,592 |
| 7,300 | Los Angeles Jewish Home, 5.50%, 11/15/33 (CA St. Mtg.) | NR/A | 6,825,062 |
| 15,000 | Memorial Health Services, 5.50%, 10/1/33, Ser. A Methodist Hospital Project (FHA), | NR/A+ | 15,047,100 |
| 2,000 | 6.625%, 8/1/29 | Aa2/AA | 2,259,320 |
| 7,200 | 6.75%, 2/1/38 | Aa2/AA | 8,090,424 |
| 3,100 | St. Joseph, 5.75%, 7/1/47, Ser. A (FGIC) | A1/AA- | 3,179,422 |
| 10,000 | Sutter Health, 5.50%, 8/15/34, Ser. B | Aa3/A+ | 10,021,000 |
| 3,505 | The Internext Group, CP, 5.375%, 4/1/30 | NR/BBB | 3,144,055 |

PIMCO California Municipal Income Fund III Schedule of Investments

December 31, 2009 (unaudited)

| Principal Amount (000s) | | Credit Rating (Moody s/S&P) | Value* |
|----------------------------|---|--------------------------------|--------------|
| | Tobacco Securitization Agcy. Rev., Alameda Cnty., 5.875%,6/1/35 | Baa3/NR | \$ 6,855,921 |
| \$ 8,100 | 7,000 | Baa3/NR | 5,587,540 |
| 2,000 | Kern Cnty., 6.125%, 6/1/43, Ser. A | NR/BBB | 1,623,520 |
| 5,000 | Tobacco Securitization Auth. Rev., 5.00%, 6/1/37, Ser. A-1 | Baa3/BBB | 3,554,600 |
| 2,950 | Torrance Rev., Torrance Memorial Medical Center, 5.50%, 6/1/31, Ser. A | A1/A+ | 2,968,939 |
| 1,000 | West Basin Municipal Water Dist., CP, 5.00%, 8/1/30, Ser. A (NPFGC) | Aa3/AA- | 1,020,910 |
| 2,000 | Western Municipal Water Dist. Facs. Auth. Rev., 5.00%, 10/1/39, Ser. B | NR/AA+ | 2,032,240 |
| 1,000 | Westlake Village, CP, 5.00%, 6/1/39 | NR/AA+ | 1,014,170 |
| 2,500 | William S. Hart Union High School Dist., Special Tax, 6.00%, 9/1/33 | NR/NR | 2,279,725 |
| 2,750 | Woodland Finance Auth.Rev., 5.00%, 3/1/32 (XLCA) | A3/NR | 2,787,208 |
| | Total California Municipal Bonds & Notes (cost \$322,290,386) | | 328,119,480 |

OTHER MUNICIPAL BONDS & NOTES 5.2%

| | | | |
|--------|---|-----------|-----------|
| | Indiana 1.2% | | |
| 5,000 | Vigo Cnty. Hospital Auth. Rev., Union Hospital, Inc., 5.75%, 9/1/42 (a)(b) | NR/NR | 4,034,750 |
| | New York 1.0% | | |
| 3,300 | New York City Municipal Water Finance Auth. Water & Sewer Rev., 5.00%, 6/15/37, Ser. D (f) | Aa2/AAA | 3,381,972 |
| | Puerto Rico 2.6% | | |
| 4,420 | Public Building Auth. Gov t Facs. Rev., 5.00%, 7/1/36, Ser. I (GTD) | Baa3/BBB- | 3,922,617 |
| 23,200 | Sales Tax Financing Corp. Rev., Ser. A, zero coupon, 8/1/47 (AMBAC) | Aa3/AA- | 2,272,904 |
| 29,200 | zero coupon, 8/1/54 (AMBAC) | Aa3/AA- | 1,651,552 |
| 26,300 | zero coupon, 8/1/56 | Aa3/AA- | 1,295,801 |
| | | | 5,220,257 |

| | | | |
|-------|--|---------|-----------------------|
| | South Dakota 0.4% | | |
| 2,000 | Minnehaha Cnty. Rev., Bethany Lutheran, 5.50%, 12/1/35 | NR/NR | 1,560,720 |
| | Total Other Municipal Bonds & Notes (cost \$20,588,257) | | 18,120,316 |
| | CALIFORNIA VARIABLE RATE NOTES (a)(b)(c)(d) 0.3% | | |
| 1,000 | Los Angeles Community College Dist., GO, 13.56%, 8/1/33, Ser. 3096 (cost \$996,606) | NR/AA | 1,026,600 |
| | SHORT-TERM INVESTMENT (e) 0.1% | | |
| | Corporate Notes 0.1% | | |
| | Financial Services 0.1% | | |
| 500 | International Lease Finance Corp., 0.482%, 5/24/10, FRN (cost \$465,880) | B1/BBB+ | 486,120 |
| | Total Investments (cost \$344,341,129) 100.0% | | \$ 347,752,516 |

Notes to Schedule of Investments:

* Portfolio securities and other financial instruments for which market quotations are readily available are stated at market value. Market value is generally determined on the basis of last reported sales prices, or if no sales are reported, on the basis of quotes obtained from a quotation reporting system, established market makers, or independent pricing services.

Portfolio securities and other financial instruments for which market quotations are not readily available or for which a development/event occurs that may significantly impact the value of a security, are fair-valued, in good faith, pursuant to procedures established by the Board of Trustees, or persons acting at their discretion pursuant to procedures established by the Board of Trustees. The Fund's investments are valued daily using

prices supplied by an independent pricing service or dealer quotations, or by using the last sale price on the exchange that is the primary market for such securities, or the mean between the last quoted bid and ask price for those securities for which the over-the-counter market is the primary market or for listed securities in which there were no sales.

Independent pricing services use information provided by market makers or estimates of market values obtained from yield data relating to investments or securities with similar characteristics.

Short-term securities maturing in 60 days or less are valued at amortized cost, if their original term to maturity was 60 days or less, or by amortizing their value on the 61st day prior to maturity, if the original term to exceeded 60 days.

The prices used by the Fund to value securities may differ from the value that would be realized if the securities were sold and these

differences could be material. The Fund's net asset value is normally determined as of the close of regular trading (normally, 4:00 p.m. Eastern time) on the New York Stock Exchange (NYSE) on each day the NYSE is open for business.

- (a) Private Placement Restricted as to resale and may not have a readily available market. Securities with an aggregate value of \$5,061,350, representing 1.5% of total investments.
- (b) 144A Exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be resold in transactions exempt from registration, typically only to qualified institutional buyers. Unless otherwise indicated, these securities are not considered to be illiquid.
- (c) Inverse Floater The interest rate shown bears an inverse relationship to the interest rate on another security or the value of an index. The interest rate disclosed

reflects the rate in effect on December 31, 2009.

- (d) Variable Rate Notes Instruments whose interest rates change on specified date (such as a coupon date or interest payment date) and/or whose interest rates vary with changes in a designated base rate (such as the prime interest rate). The interest rate disclosed reflects the rate in effect on December 31, 2009.
- (e) All or partial amount segregated as collateral for reverse repurchase agreements.
- (f) Residual Interest Bonds held in Trust Securities represent underlying bonds transferred to a separate securitization trust established in a tender option bond transaction in which the Fund acquired the residual interest certificates. These securities serve as collateral in a financing transaction.

Glossary:

AMBAC insured by American Municipal Bond Assurance Corp.

CA Mtg. Ins. insured by California Mortgage Insurance

CA St. Mtg. insured by California State Mortgage

CP Certificates of Participation

FGIC insured by Financial Guaranty Insurance Co.

FHA insured by Federal Housing Administration

FRN Floating Rate Note. The interest rate disclosed reflects the rate in effect on December 31, 2009.

FSA insured by Financial Security Assurance, Inc.

GO General Obligation Bond

GTD Guaranteed

NPFGC insured by National Public Finance Guarantee Corporation

NR Not Rated

TCRS Temporary Custodian Receipts

XLCA insured by XL Capital Assurance

Open reverse repurchase agreements at December 31, 2009:

| Counterparty | Rate | Trade Date | Maturity Date | Principal & Interest | Principal |
|----------------------------|-------|------------|---------------|----------------------|------------|
| Credit Suisse First Boston | 0.55% | 12/7/09 | 1/12/10 | \$ 448,171 | \$ 448,000 |

The weighted average daily balance of reverse repurchase agreements outstanding during the three months ended December 31, 2009 was \$692,033 at a weighted average interest rate of 0.61%. The total market value of underlying collateral (refer to the Schedule of Investments for positions segregated as collateral for reverse repurchase agreements) for open reverse repurchase agreements at December 31, 2009 was \$486,120.

Fair Value Measurements

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (i.e. the exit price) in an orderly transaction between market participants. The three levels of the fair value hierarchy are described below:

Level 1 quoted prices in active markets for identical investments that the Fund has the ability to access

Level 2 valuations based on other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.) or quotes from inactive exchanges

Level 3 valuations based on significant unobservable inputs (including the Fund's own assumptions in determining the fair value of investments)

An investment asset's or liability's level within the fair value hierarchy is based on the lowest level input, individually or in the aggregate, that is significant to fair value measurement. The objective of fair value measurement remains the same even when there is a significant decrease in the volume and level of activity for an asset or liability and regardless of the valuation technique used.

The valuation techniques used by the Fund to measure fair value during the three months ended December 31, 2009 maximized the use of observable inputs and minimized the use of unobservable inputs.

The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

A summary of the inputs used at December 31, 2009 in valuing the Fund's assets and liabilities is listed below:

| | Level 1 - Quoted Prices | Level 2 - Other Significant Observable Inputs | Level 3 - Significant Unobservable Inputs | Value at 12/31/09 |
|---|-------------------------------|--|--|----------------------|
| Investments in Securities Assets | | | | |
| California Municipal Bonds & Notes | | \$328,119,480 | | \$328,119,480 |
| Other Municipal Bonds & Notes | | 18,120,316 | | 18,120,316 |
| California Variable Rate Notes | | 1,026,600 | | 1,026,600 |
| Short-Term Investments | | 486,120 | | 486,120 |
| Total Investments | | \$347,752,516 | | \$347,752,516 |

Item 2. Controls and Procedures

(a) The registrant's President & Chief Executive Officer and Treasurer, Principal Financial & Accounting Officer have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Act (17 CFR 270.30a -3(c))), are effective based on their evaluation of these controls and procedures as of a date within 90 days of the filing date of this document.

(b) There were no significant changes in the registrant's internal controls over financial reporting (as defined in Rule 30a-3(d) under the Act (17 CFR 270.30a -3(d))) that occurred during the registrant's last fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3. Exhibits

(a) Exhibit 99.302 Cert. Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

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: PIMCO California Municipal Income Fund III

By /s/ Brian S. Shlissel

President & Chief Executive Officer

Date: February 23, 2010

By /s/ Lawrence G. Altadonna

Treasurer, Principal Financial & Accounting
Officer

Date: February 23, 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 /s/ Brian S. Shlissel

President & Chief Executive Officer

Date: February 23, 2010

By /s/ Lawrence G. Altadonna

Treasurer, Principal Financial & Accounting
Officer

Date: February 23, 2010