

**BLACKROCK CALIFORNIA MUNICIPAL INCOME TRUST**

Form N-Q

June 27, 2011

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 811-10331

Name of Fund: BlackRock California Municipal Income Trust (BFZ)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock California Municipal Income Trust, 55 East 52<sup>nd</sup> Street, New York, NY 10055

Registrant's telephone number, including area code: (800) 882-0052, Option 4

Date of fiscal year end: 07/31/2011

Date of reporting period: 04/30/2011

Item 1 – Schedule of Investments

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Schedule of Investments April 30, 2011 (Unaudited)

**BlackRock California Municipal Income Trust (BFZ)**  
 (Percentages shown are based on Net Assets)

| <b>Municipal Bonds</b>                                                                             | <b>Par<br/>(000)</b> | <b>Value</b>     |
|----------------------------------------------------------------------------------------------------|----------------------|------------------|
| <b>California 100.9%</b>                                                                           |                      |                  |
| <b>Corporate 0.2%</b>                                                                              |                      |                  |
| City of Chula Vista California, RB, San Diego Gas, Series D, AMT (AMBAC), 5.00%, 12/01/27          | \$ 330               | \$ 327,050       |
| City of Chula Vista California, Refunding RB, San Diego Gas & Electric, Series A, 5.88%, 2/15/34   | 680                  | 708,138          |
|                                                                                                    |                      | <u>1,035,188</u> |
| <b>County/City/Special District/School District 38.9%</b>                                          |                      |                  |
| Butte-Glenn Community College District, GO, Election of 2002, Series C, 5.50%, 8/01/30             | 8,425                | 9,084,340        |
| California State Public Works Board, RB, Various Capital Projects, Sub-Series I-1, 6.63%, 11/01/34 | 8,000                | 8,438,160        |
| Central Unified School District, GO, Election of 2008, Series A (AGC), 5.63%, 8/01/33              | 400                  | 406,428          |
| Cerritos Community College District, GO, Election of 2004, Series C, 5.25%, 8/01/31                | 3,000                | 3,070,350        |
| City & County of San Francisco California, COP, Refunding, Series A, 5.00%, 10/01/31               | 7,730                | 7,527,088        |
| City of Los Angeles California, Refunding RB, Series A, 5.00%, 6/01/39                             | 2,000                | 1,976,100        |
| City of San Jose California, RB, Convention Center Expansion & Renovation Project: 6.13%, 5/01/31  | 500                  | 503,155          |
| 6.50%, 5/01/36                                                                                     | 1,210                | 1,221,507        |
| 6.50%, 5/01/42                                                                                     | 2,225                | 2,233,099        |
| County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 6.00%, 8/01/35      | 2,000                | 2,123,140        |
| El Dorado Union High School District, GO, Election of 2008, 5.00%, 8/01/35                         | 5,020                | 5,093,945        |
| Evergreen Elementary School District, GO, Election of 2006, Series B (AGC), 5.13%, 8/01/33         | 2,500                | 2,503,975        |
| Grossmont Healthcare District, GO, Election of 2006, Series B, 6.13%, 7/15/40                      | 2,000                | 2,102,060        |
| La Quinta Redevelopment Agency, Tax Allocation Bonds, Redevelopment                                | 1,000                | 850,260          |

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Project Area Number 1 (AMBAC),  
5.13%, 9/01/32

| Municipal Bonds                                                                                                                                   | Par<br>(000) | Value        |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| <b>California (continued)</b>                                                                                                                     |              |              |
| <b>County/City/Special District/School District (continued)</b>                                                                                   |              |              |
| Long Beach Unified School District<br>California, GO, Refunding, Election of<br>2008, Series A, 5.75%, 8/01/33                                    | \$ 4,135     | \$ 4,394,016 |
| Los Alamitos Unified School District<br>California, GO, School Facilities<br>Improvement District No. 1, 5.50%,<br>8/01/33                        | 5,175        | 5,356,022    |
| Los Angeles Municipal Improvement<br>Corp., Refunding RB, Real Property,<br>Series B (AGC), 5.50%, 4/01/30                                        | 4,975        | 5,106,390    |
| Modesto Irrigation District, COP, Capital<br>Improvements:<br>Series A, 5.75%, 10/01/29                                                           | 3,000        | 3,096,060    |
| Series A, 5.75%, 10/01/34                                                                                                                         | 155          | 157,354      |
| Series B, 5.50%, 7/01/35                                                                                                                          | 3,000        | 2,898,630    |
| Murrieta Valley Unified School District<br>Public Financing Authority, Special Tax<br>Bonds, Refunding, Series A (AGC),<br>5.13%, 9/01/26         | 1,000        | 1,016,490    |
| Oak Grove School District California, GO,<br>Election of 2008, Series A, 5.50%,<br>8/01/33                                                        | 6,000        | 6,233,280    |
| Orange County Sanitation District, COP<br>(NPFGC), 5.00%, 2/01/33                                                                                 | 3,600        | 3,611,916    |
| Orange County Water District, COP,<br>Refunding, 5.25%, 8/15/34                                                                                   | 2,000        | 2,063,660    |
| Pittsburg Redevelopment Agency, Tax<br>Allocation Bonds, Refunding,<br>Subordinate, Los Medanos<br>Community Project, Series A, 6.50%,<br>9/01/28 | 5,500        | 5,257,450    |
| Pittsburg Unified School District, GO,<br>Election of 2006, Series B (AGM),<br>5.50%, 8/01/34                                                     | 2,000        | 2,060,060    |
| Port of Oakland, Refunding RB,<br>Series M, AMT (NPFGC), 5.38%,<br>11/01/27                                                                       | 6,300        | 5,954,067    |
| San Diego Community College District<br>California, GO, Election of 2002,<br>5.25%, 8/01/33                                                       | 1,500        | 1,524,990    |
| San Diego Regional Building Authority<br>California, RB, County Operations<br>Center & Annex, Series A, 5.38%,<br>2/01/36                         | 6,500        | 6,517,810    |
| San Jose Financing Authority, Refunding<br>RB, Civic Center Project, Series B<br>(AMBAC), 5.00%, 6/01/37                                          | 6,000        | 5,493,660    |

## Portfolio Abbreviations

To simplify the listings of portfolio holdings in the Schedule of Investments, the names and descriptions of many of the securities have been abbreviated according to the following list:

|              |                                         |
|--------------|-----------------------------------------|
| <b>AGC</b>   | Assured Guaranty Corp.                  |
| <b>AGM</b>   | Assured Guaranty Municipal Corp.        |
| <b>AMBAC</b> | American Municipal Bond Assurance Corp. |
| <b>AMT</b>   | Alternative Minimum Tax (subject to)    |
| <b>COP</b>   | Certificates of Participation           |
| <b>GO</b>    | General Obligation Bonds                |
| <b>LRB</b>   | Lease Revenue Bonds                     |
| <b>NPFGC</b> | National Public Finance Guarantee Corp. |
| <b>RB</b>    | Revenue Bonds                           |

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BLACKROCK CALIFORNIA MUNICIPAL INCOME TRUST

APRIL 30, 2011

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## Schedule of Investments (continued)

BlackRock California Municipal Income Trust (BFZ)  
(Percentages shown are based on Net Assets)

| Municipal Bonds                                                                                                                                           | Par<br>(000) | Value        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| <b>California (continued)</b>                                                                                                                             |              |              |
| <b>County/City/Special District/School District (concluded)</b>                                                                                           |              |              |
| San Leandro Unified School District<br>California, GO, Election of 2006,<br>Series B (AGM), 6.25%, 8/01/29                                                | \$ 1,150     | \$ 1,253,983 |
| Santa Ana Unified School District, GO,<br>Election of 2008, Series A:<br>5.50%, 8/01/30                                                                   | 6,330        | 6,539,523    |
| 5.13%, 8/01/33                                                                                                                                            | 10,000       | 9,992,600    |
| Santa Clara County Financing Authority,<br>Refunding LRB, Series L, 5.25%,<br>5/15/36                                                                     | 21,000       | 20,683,110   |
| Santa Cruz County Redevelopment<br>Agency California, Tax Allocation<br>Bonds, Live Oak/Soquel Community<br>Improvement, Series A:<br>6.63%, 9/01/29      | 1,000        | 1,066,770    |
| 7.00%, 9/01/36                                                                                                                                            | 1,700        | 1,804,363    |
| Snowline Joint Unified School District,<br>COP, Refunding, Refining Project<br>(AGC), 5.75%, 9/01/38                                                      | 2,250        | 2,377,890    |
| Torrance Unified School District<br>California, GO, Election of 2008,<br>Measure Z, 6.00%, 8/01/33                                                        | 4,000        | 4,273,080    |
| Westminster Redevelopment Agency<br>California, Tax Allocation Bonds,<br>Subordinate, Commercial<br>Redevelopment Project No. 1 (AGC),<br>6.25%, 11/01/39 | 7,750        | 8,435,177    |
|                                                                                                                                                           |              | 164,301,958  |
| <b>Education 2.8%</b>                                                                                                                                     |              |              |
| California Educational Facilities<br>Authority, Refunding RB, San<br>Francisco University, 6.13%,<br>10/01/36                                             | 6,280        | 6,457,410    |
| California State University, RB,<br>Systemwide, Series A (AGM), 5.00%,<br>11/01/39                                                                        | 2,400        | 2,167,752    |
| University of California, RB:<br>Limited Project, Series D (NPFGC),<br>5.00%, 5/15/32                                                                     | 2,600        | 2,596,568    |
| Series O, 5.38%, 5/15/34                                                                                                                                  | 460          | 473,754      |

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11,695,484

**Health 17.4%**

ABAG Finance Authority for Nonprofit  
Corps, Refunding RB, Sharp

Healthcare:

6.38%, 8/01/34 3,055 3,076,415

6.25%, 8/01/39 3,760 3,749,660

Series A, 6.00%, 8/01/30 2,250 2,229,480

California Health Facilities Financing  
Authority, RB:

Adventist Health System-West,

Series A, 5.75%, 9/01/39 6,000 5,679,300

Catholic Healthcare West, Series J,  
5.63%, 7/01/32 1,700 1,665,864

California Health Facilities Financing  
Authority, Refunding RB:

Catholic Healthcare West, Series A,  
6.00%, 7/01/29 1,000 1,020,600

Catholic Healthcare West, Series A,  
6.00%, 7/01/34 4,400 4,439,116

| Municipal Bonds | Par<br>(000) | Value |
|-----------------|--------------|-------|
|-----------------|--------------|-------|

**California (continued)**

**Health (concluded)**

California Health Facilities Financing  
Authority, Refunding RB (concluded):

Catholic Healthcare West, Series A,  
6.00%, 7/01/39 \$ 2,500 \$ 2,514,175

Providence Health, 6.50%,  
10/01/18 (a) 25 31,910

Providence Health, 6.50%,  
10/01/38 4,090 4,372,210

Sutter Health, Series B, 6.00%,  
8/15/42 6,015 6,099,872

California Infrastructure & Economic  
Development Bank, RB, Kaiser  
Hospital Assistance I-LLC, Series A,  
5.55%, 8/01/31

10,000 9,588,500

California Statewide Communities  
Development Authority, RB, Series A:

Health Facility, Memorial Health  
Services, 5.50%, 10/01/33 8,310 8,162,581

Kaiser Permanente, 5.50%,  
11/01/32 11,060 10,550,687

California Statewide Communities  
Development Authority, Refunding RB,  
Catholic Healthcare West:

Series B, 5.50%, 7/01/30 3,000 2,933,730

Series E, 5.50%, 7/01/31 5,010 4,861,153

Grossmont Healthcare District, GO,  
Election of 2006, Series B, 6.00%,  
7/15/34

2,225 2,326,749

73,302,002

**Housing 1.0%**

2,180 2,081,835

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|                                                                                                                                                                                                                                                                                                                                                                                          |       |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| California Statewide Communities<br>Development Authority, Multifamily<br>Housing Revenue Bond Pass-Through<br>Certificates, RB, Series 3, Westgate<br>Courtyards Apartments, Mandatory<br>Put Bonds, AMT, 5.80%, 11/01/34 (b)<br>City of Los Angeles, Multifamily Housing<br>Revenue Bond Pass-Through<br>Certificates, RB, Series 5, San Lucas<br>Apartments, AMT, 5.95%, 11/01/34 (b) | 2,035 | 1,926,819        |
|                                                                                                                                                                                                                                                                                                                                                                                          |       | <u>4,008,654</u> |

## State 8.2%

|                                                                                                                               |        |                   |
|-------------------------------------------------------------------------------------------------------------------------------|--------|-------------------|
| California State Public Works Board, RB:<br>Department of Education, Riverside<br>Campus Project, Series B, 6.50%,<br>4/01/34 | 9,000  | 9,366,120         |
| Various Capital Projects,<br>Sub-Series I-1, 6.38%, 11/01/34                                                                  | 2,475  | 2,556,898         |
| State of California, GO, Various Purpose,<br>6.50%, 4/01/33                                                                   | 20,500 | 22,518,225        |
|                                                                                                                               |        | <u>34,441,243</u> |

## Transportation 10.2%

|                                                                         |       |           |
|-------------------------------------------------------------------------|-------|-----------|
| County of Orange California, RB,<br>Series B, 5.75%, 7/01/34            | 8,000 | 8,388,160 |
| County of Sacramento California, RB,<br>Senior Series B, 5.75%, 7/01/39 | 1,850 | 1,864,948 |

## Schedule of Investments (continued)

BlackRock California Municipal Income Trust (BFZ)  
(Percentages shown are based on Net Assets)

| Municipal Bonds                                                                                                                                         | Par<br>(000) | Value             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|
| <b>California (continued)</b>                                                                                                                           |              |                   |
| <b>Transportation (concluded)</b>                                                                                                                       |              |                   |
| Los Angeles Department of Airports,<br>Refunding RB, Los Angeles<br>International Airport, Sub-Series C,<br>5.25%, 5/15/38                              | \$ 400       | \$ 389,288        |
| Los Angeles Harbor Department, RB,<br>Series B, 5.25%, 8/01/34                                                                                          | 5,530        | 5,577,447         |
| Palm Springs Unified School District,<br>GO, Election of 2004, Series A (AGM),<br>5.00%, 8/01/31                                                        | 11,625       | 11,725,673        |
| Port of Oakland, RB, Series K, AMT<br>(NPFGC), 5.75%, 11/01/29                                                                                          | 5,300        | 5,176,192         |
| San Francisco City & County Airports<br>Commission, RB, Series E, 6.00%,<br>5/01/39                                                                     | 6,750        | 7,072,920         |
| San Joaquin County Transportation<br>Authority, RB, Limited Tax, Measure K,<br>Series A, 6.00%, 3/01/36                                                 | 2,880        | 3,037,306         |
|                                                                                                                                                         |              | <u>43,231,934</u> |
| <b>Utilities 22.2%</b>                                                                                                                                  |              |                   |
| Anaheim Public Financing Authority, RB,<br>Electric System Distribution Facilities,<br>Series A, 5.38%, 10/01/36 (c)                                    | 5,000        | 5,024,600         |
| California Infrastructure & Economic<br>Development Bank, RB, California<br>Independent System Operator,<br>Series A, 6.25%, 2/01/39                    | 5,500        | 5,688,485         |
| Calleguas-Las Virgenes Public Financing<br>Authority California, RB, Calleguas<br>Municipal Water District Project,<br>Series A (NPFGC), 5.13%, 7/01/32 | 5,475        | 5,525,315         |
| City of Chula Vista California, Refunding<br>RB, San Diego Gas & Electric:<br>Series D, 5.88%, 1/01/34                                                  | 1,000        | 1,041,380         |
| Series E, 5.88%, 1/01/34                                                                                                                                | 6,500        | 6,768,970         |
| City of Los Angeles California, Refunding<br>RB, Sub-Series A, 5.00%, 6/01/32                                                                           | 4,000        | 4,037,640         |
| City of Petaluma California, Refunding<br>RB, 6.00%, 5/01/36                                                                                            | 5,625        | 5,923,237         |
| Dublin-San Ramon Services District,<br>Refunding RB, 6.00%, 8/01/41                                                                                     | 2,425        | 2,503,158         |
| East Bay Municipal Utility District, RB,<br>Series A (NPFGC), 5.00%, 6/01/32                                                                            | 4,660        | 4,777,712         |

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|                                                                                                             |        |            |
|-------------------------------------------------------------------------------------------------------------|--------|------------|
| El Dorado Irrigation District & El Dorado Water Agency California, COP, Refunding, Series A, 5.75%, 3/01/24 | 5,000  | 5,472,600  |
| Los Angeles Department of Water & Power, RB:                                                                |        |            |
| Power System, Sub-Series A-1, 5.25%, 7/01/38                                                                | 11,215 | 11,381,431 |
| Series A, 5.38%, 7/01/34                                                                                    | 3,050  | 3,157,268  |
| Los Angeles Department of Water & Power, Refunding RB, Power System, Sub-Series A-2, 5.00%, 7/01/30         | 2,200  | 2,217,402  |
| San Diego Public Facilities Financing Authority, Refunding RB:                                              |        |            |
| Senior Series A, 5.25%, 5/15/34                                                                             | 9,500  | 9,561,655  |
| Series A, 5.25%, 8/01/38                                                                                    | 3,255  | 3,280,096  |
| San Francisco City & County Public Utilities Commission, RB, Series A (NPFGC), 5.00%, 11/01/32              | 4,000  | 4,013,760  |

| Municipal Bonds | Par<br>(000) | Value |
|-----------------|--------------|-------|
|-----------------|--------------|-------|

**California (concluded)**

**Utilities (concluded)**

|                                                                                                           |           |               |
|-----------------------------------------------------------------------------------------------------------|-----------|---------------|
| San Francisco City & County Public Utilities Commission, Refunding RB, Series A, 5.00%, 11/01/35          | \$ 10,625 | \$ 10,632,225 |
| Southern California Public Power Authority, RB, Windy Point/Windy Flats Project, Series 1, 5.00%, 7/01/30 | 2,750     | 2,800,463     |

93,807,397

**Total Municipal Bonds in California** 425,823,860

**Multi-State 1.9%**

**Housing 1.9%**

|                                        |       |           |
|----------------------------------------|-------|-----------|
| Centerline Equity Issuer Trust (d)(e): |       |           |
| 5.75%, 5/15/15                         | 500   | 526,565   |
| 6.00%, 5/15/15                         | 1,500 | 1,575,090 |
| 6.00%, 5/15/19                         | 1,000 | 1,046,750 |
| 6.30%, 5/15/19                         | 1,000 | 1,050,850 |
| 7.20%, 11/15/52                        | 3,500 | 3,809,855 |

**Total Municipal Bonds in Multi-State** 8,009,110

**Puerto Rico 1.7%**

**County/City/Special District/School District 0.7%**

|                                                                               |       |           |
|-------------------------------------------------------------------------------|-------|-----------|
| Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.50%, 8/01/44 | 3,000 | 3,129,900 |
|-------------------------------------------------------------------------------|-------|-----------|

**State 1.0%**

|                                                                                          |       |           |
|------------------------------------------------------------------------------------------|-------|-----------|
| Commonwealth of Puerto Rico, GO, Refunding, Public Improvement, Series B, 6.50%, 7/01/37 | 4,000 | 4,062,800 |
|------------------------------------------------------------------------------------------|-------|-----------|

|                                             |           |
|---------------------------------------------|-----------|
| <b>Total Municipal Bonds in Puerto Rico</b> | 7,192,700 |
|---------------------------------------------|-----------|

|                                            |             |
|--------------------------------------------|-------------|
| <b>Total Municipal Bonds</b> <b>104.5%</b> | 441,025,670 |
|--------------------------------------------|-------------|

**Municipal Bonds Transferred to Tender  
Option Bond Trusts (f)**

|                                |
|--------------------------------|
| <b>California</b> <b>64.5%</b> |
|--------------------------------|

**County/City/Special District/School District**    **25.4%**

|                                                                                                                        |        |            |
|------------------------------------------------------------------------------------------------------------------------|--------|------------|
| Los Angeles Community College District<br>California, GO:                                                              |        |            |
| Election of 2001, Series A (AGM),<br>5.00%, 8/01/32                                                                    | 8,000  | 7,937,280  |
| Election of 2008, Series A, 6.00%,<br>8/01/33                                                                          | 20,131 | 21,731,292 |
| Election of 2008, Series C, 5.25%,<br>8/01/39                                                                          | 12,900 | 13,030,806 |
| Los Angeles Unified School District<br>California, GO, Series I, 5.00%,<br>1/01/34                                     |        |            |
|                                                                                                                        | 5,000  | 4,854,400  |
| Mount San Antonio Community College<br>District California, GO, Election of<br>2001, Series C (AGM), 5.00%,<br>9/01/31 |        |            |
|                                                                                                                        | 10,770 | 10,819,327 |
| Ohlone Community College District, GO,<br>Ohlone, Series B (AGM), 5.00%,<br>8/01/30                                    |        |            |
|                                                                                                                        | 12,499 | 12,535,662 |
| San Bernardino Community College<br>District California, GO, Election of<br>2002, Series C (AGM), 5.00%,<br>8/01/31    |        |            |
|                                                                                                                        | 2,000  | 1,952,560  |

BLACKROCK CALIFORNIA MUNICIPAL INCOME TRUST

APRIL 30, 2011

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## Schedule of Investments (continued)

**BlackRock California Municipal Income Trust (BFZ)**  
(Percents shown are based on Net Assets)

| Municipal Bonds Transferred to Tender<br>Option Bond Trusts (f)                                                           | Par<br>(000) | Value              |
|---------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|
| <b>California (continued)</b>                                                                                             |              |                    |
| <b>County/City/Special District/School<br/>District (concluded)</b>                                                       |              |                    |
| San Diego Community College District<br>California, GO:                                                                   |              |                    |
| Election of 2002, 5.25%, 8/01/33                                                                                          | \$ 10,484    | \$ 10,658,786      |
| Election of 2006 (AGM), 5.00%,<br>8/01/32                                                                                 | 9,000        | 9,018,450          |
| San Jose Unified School District Santa<br>Clara County California, GO, Election<br>of 2002, Series D, 5.00%, 8/01/32      | 14,625       | 14,659,157         |
|                                                                                                                           |              | <u>107,197,720</u> |
| <b>Education 11.3%</b>                                                                                                    |              |                    |
| California Educational Facilities<br>Authority, RB, University of Southern<br>California, Series A, 5.25%, 10/01/39       | 10,395       | 10,664,230         |
| Grossmont Union High School District<br>California, GO, Election of 2004,<br>5.00%, 8/01/33                               | 13,095       | 12,683,787         |
| San Mateo County Community College<br>District, GO, Election of 2005,<br>Series B, 5.00%, 9/01/31                         | 8,630        | 8,689,720          |
| University of California, RB:<br>Limited Project, Series D (AGM),<br>5.00%, 5/15/41                                       | 2,600        | 2,506,010          |
| Series O, 5.75%, 5/15/34                                                                                                  | 12,300       | 13,088,799         |
|                                                                                                                           |              | <u>47,632,546</u>  |
| <b>Utilities 27.8%</b>                                                                                                    |              |                    |
| California State Department of Water<br>Resources, Refunding RB, Central<br>Valley Project, Series AE, 5.00%,<br>12/01/29 | 7,000        | 7,344,400          |
| City of Napa California, RB (AMBAC),<br>5.00%, 5/01/35                                                                    | 3,000        | 2,975,130          |
| East Bay Municipal Utility District, RB,<br>Sub-Series A (NPFGC), 5.00%,<br>6/01/35                                       | 3,000        | 2,983,230          |
| Eastern Municipal Water District, COP,<br>Series H, 5.00%, 7/01/33                                                        | 18,002       | 17,622,875         |
| Los Angeles Department of Water &<br>Power, RB:                                                                           | 15,998       | 15,858,264         |

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|                                                                                                      |                      |                |
|------------------------------------------------------------------------------------------------------|----------------------|----------------|
| Power System, Sub-Series A-1<br>(AMBAC), 5.00%, 7/01/37                                              |                      |                |
| System, Sub-Series A-2 (AGM),<br>5.00%, 7/01/35                                                      | 2,000                | 2,000,760      |
| Metropolitan Water District of Southern<br>California, RB, Series A, 5.00%,<br>7/01/37               | 11,180               | 11,285,539     |
| Orange County Sanitation District, COP,<br>Series B (AGM), 5.00%, 2/01/37                            | 14,700               | 14,779,233     |
| Orange County Water District, COP,<br>Refunding, 5.00%, 8/15/39                                      | 10,480               | 10,486,917     |
| San Diego County Water Authority, COP,<br>Refunding:<br>Series 2002-A (NPFGC), 5.00%,<br>5/01/32     | 5,292                | 5,297,827      |
| Series 2008-A (AGM), 5.00%,<br>5/01/33                                                               | 14,290               | 14,306,719     |
| <b>Municipal Bonds Transferred to Tender<br/>Option Bond Trusts (f)</b>                              | <b>Par<br/>(000)</b> | <b>Value</b>   |
| <b>California (concluded)</b>                                                                        |                      |                |
| <b>Utilities (concluded)</b>                                                                         |                      |                |
| San Diego Public Facilities Financing<br>Authority, Refunding RB, Senior<br>Series A, 5.25%, 5/15/39 | \$ 12,457            | \$ 12,366,562  |
|                                                                                                      |                      | 117,307,456    |
| <b>Total Municipal Bonds Transferred to<br/>Tender Option Bond Trusts 64.5%</b>                      |                      | 272,137,722    |
| <b>Total Long-Term Investments<br/>(Cost \$714,308,971) 169.0%</b>                                   |                      | 713,163,392    |
| <b>Short-Term Securities</b>                                                                         |                      |                |
| BIF California Municipal Money Fund,<br>0.04% (g)(h)                                                 | 20,829,312           | 20,829,312     |
| <b>Total Short-Term Securities<br/>(Cost \$20,829,312) 4.9%</b>                                      |                      | 20,829,312     |
| <b>Total Investments<br/>(Cost \$735,138,283*) 173.9%</b>                                            |                      | 733,992,704    |
| <b>Other Assets Less Liabilities 0.8%</b>                                                            |                      | 3,137,627      |
| <b>Liability for Trust Certificates, Including Interest<br/>Expense and Fees Payable (34.1)%</b>     |                      | (143,825,574)  |
| <b>Preferred Shares, at Redemption Value (40.6)%</b>                                                 |                      | (171,334,258)  |
| <b>Net Assets Applicable to Common Shares 100.0%</b>                                                 |                      | \$ 421,970,499 |

- \* The cost and unrealized appreciation (depreciation) of investments as of April 30, 2011, as computed for federal income tax purposes, were as follows:

|                               |                |
|-------------------------------|----------------|
| Aggregate cost                | \$ 591,833,821 |
| Gross unrealized appreciation | \$ 10,517,750  |
| Gross unrealized depreciation | (12,071,804)   |
| Net unrealized depreciation   | \$ (1,554,054) |

- (a) US government securities, held in escrow, are used to pay interest on this security as well as to retire the bond in full at the date indicated, typically at a premium to par.
- (b) Variable rate security. Rate shown is as of report date.
- (c) When-issued security. Unsettled when-issued transactions were as follows:

| Counterparty           | Value        | Unrealized<br>Appreciation |
|------------------------|--------------|----------------------------|
| JPMorgan Chase Bank NA | \$ 5,024,600 | \$ 39,100                  |

- (d) Security exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be resold in transactions exempt from registration to qualified institutional investors.
- (e) Security represents a beneficial interest in a trust. The collateral deposited into the trust is federally tax-exempt revenue bonds issued by various state or local governments, or their respective agencies or authorities. The security is subject to remarketing prior to its stated maturity.
- (f) Securities represent bonds transferred to a tender option bond trust in exchange for which the Trust acquired residual interest certificates. These securities serve as collateral in a financing transaction.

## Schedule of Investments (continued)

## BlackRock California Municipal Income Trust (BFZ)

- (g) Investments in companies considered to be an affiliate of the Trust during the period, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

| Affiliate                                 | Shares<br>Held at<br>July 31, 2010 | Net<br>Activity | Shares<br>Held at<br>April 30, 2011 | Income   |
|-------------------------------------------|------------------------------------|-----------------|-------------------------------------|----------|
| BIF California<br>Municipal<br>Money Fund | 26,178,133                         | (5,348,821)     | 20,829,312                          | \$ 3,127 |

- (h) Represents the current yield as of report date.

Financial futures contracts sold as of April 30, 2011 were as follows:

| Contracts | Issue                      | Exchange               | Expiration | Notional<br>Value | Unrealized<br>Depreciation |
|-----------|----------------------------|------------------------|------------|-------------------|----------------------------|
| 160       | 10-Year U.S. Treasury Note | Chicago Board of Trade | June 2011  | \$ 18,962,196     | \$ (420,304)               |

Fair Value Measurements - Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs are summarized in three broad levels for financial reporting purposes as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Trust's own assumptions used in determining the fair value of investments and derivative financial instruments)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Trust's policy regarding valuation of investments and derivative financial instruments and other significant accounting policies, please refer to the Trust's most recent financial statements as contained in its semi-annual report.

The following tables summarize the inputs used as of April 30, 2011 in determining the fair valuation of the Trust's investments and derivative financial instruments:

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| Valuation Inputs                   | Level 1       | Level 2        | Level 3 | Total          |
|------------------------------------|---------------|----------------|---------|----------------|
| <b>Assets:</b>                     |               |                |         |                |
| Investments:                       |               |                |         |                |
| Long-Term Investments <sup>1</sup> |               | \$ 713,163,392 |         | \$ 713,163,392 |
| Short-Term Securities              | \$ 20,829,312 |                |         | 20,829,312     |
| <b>Total</b>                       | \$ 20,829,312 | \$ 713,163,392 |         | \$ 733,992,704 |

<sup>1</sup> See above Schedule of Investments for values in each sector.

BLACKROCK CALIFORNIA MUNICIPAL INCOME TRUST

APRIL 30, 2011

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Schedule of Investments (concluded)

BlackRock California Municipal Income Trust (BFZ)

| Valuation Inputs                                    | Level 1 | Level 2   | Level 3 | Total        |
|-----------------------------------------------------|---------|-----------|---------|--------------|
| <b>Derivative Financial Instruments<sup>2</sup></b> |         |           |         |              |
| <b>Liabilities:</b>                                 |         |           |         |              |
| Interest rate contracts                             | \$      | (420,304) |         | \$ (420,304) |

<sup>2</sup> Derivative financial instruments are financial futures contracts, which are valued at the unrealized appreciation/depreciation on the instrument.

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### Item 2 – Controls and Procedures

- 2(a) – The registrant’s principal executive and principal financial officers or persons performing similar functions have concluded that the registrant’s disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the “1940 Act”)) are effective as of a date within 90 days of the filing of this report based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rule 13a-15(b) under the Securities Exchange Act of 1934, as amended.
- 2(b) – There were no changes in the registrant’s internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 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

Certifications – Attached hereto

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.

BlackRock California Municipal Income Trust

By: /s/ John M. Perlowski  
John M. Perlowski  
Chief Executive Officer of  
BlackRock California Municipal Income Trust

Date: June 24, 2011

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/ John M. Perlowski  
John M. Perlowski  
Chief Executive Officer (principal executive officer) of  
BlackRock California Municipal Income Trust

Date: June 24, 2011

By: /s/ Neal J. Andrews  
Neal J. Andrews  
Chief Financial Officer (principal financial officer) of  
BlackRock California Municipal Income Trust

Date: June 24, 2011

