

BLACKROCK MUNIYIELD CALIFORNIA FUND, INC.  
Form N-Q  
December 21, 2018

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 811-06499

Name of Fund: BlackRock MuniYield California Fund, Inc. (MYC)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock MuniYield California Fund, Inc., 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: 07/31/2019

Date of reporting period: 10/31/2018

Item 1 Schedule of Investments

Schedule of Investments (unaudited)

BlackRock MuniYield California Fund, Inc. (MYC)

October 31, 2018

(Percentages shown are based on Net Assets)

| <i>Security</i>  | <i>Par<br/>(000)</i> | <i>Value</i> |
|--|----------------------|--------------|
| <b>Municipal Bonds 87.0%</b>   |                      |              |
| <b>California 86.1%</b>  |                      |              |
| <b>Corporate 0.7%</b>  |                      |              |
| City of Chula Vista California, Refunding RB, San Diego Gas & Electric, Series D, 5.88%,<br>01/01/34   | \$ 2,000             | \$ 2,040,360 |
| <b>County/City/Special District/School District 22.3%</b>  |                      |              |
| Anaheim California Union High School District, GO, Election of 2014, 4.00%, 08/01/42   | 5,725                | 5,834,920    |
| City of Los Angeles California, COP, Senior, Sonnenblick Del Rio West Los Angeles<br>(AMBAC), 6.20%, 11/01/31  | 2,000                | 2,006,880    |
| City of Los Angeles California Municipal Improvement Corp., RB, Real Property, Series E,<br>6.00%, 09/01/19 <sup>(a)</sup>                           | 2,660                | 2,753,180    |
| City of San Jose California Hotel Tax, RB, Convention Center Expansion & Renovation<br>Project:<br>6.50%, 05/01/36                                   | 1,520                | 1,671,346    |
| 6.50%, 05/01/42  | 1,860                | 2,045,200    |
| County of Los Angeles California Metropolitan Transportation Authority, Refunding RB,<br>Proposition C, Sales Tax Revenue, Series A, 5.00%, 07/01/42 | 4,000                | 4,495,800    |
| County of Los Angeles Facilities, Inc., RB, Vermont Corridor County Administration Building,<br>Series A, 5.00%, 12/01/35                            | 1,730                | 1,977,217    |
| County of Riverside California Public Financing Authority, RB, Capital Facilities Project,<br>5.25%, 11/01/45  | 5,000                | 5,651,400    |
| County of San Joaquin California Transportation Authority, Refunding RB, Limited Tax,<br>Measure K, Series A, 6.00%, 03/01/21 <sup>(a)</sup>         | 2,440                | 2,665,749    |
| Garden Grove Unified School District, GO, Election of 2010, Series C, 5.25%, 08/01/40  | 5,500                | 6,087,125    |
| Los Angeles California Unified School District, GO, Election of 2008, Series B-1, 5.25%,<br>07/01/42   | 2,500                | 2,869,900    |
| Lucia Mar Unified School District, GO, Election of 2016, Series B, 5.00%, 08/01/42   | 1,800                | 2,022,840    |
| Riverside Community Properties Development, Inc., RB, Riverside County Law Building<br>Project, 6.00%, 10/15/23 <sup>(a)</sup>                       | 5,000                | 5,902,350    |
|  | <i>Par<br/>(000)</i> | <i>Value</i> |
| <b>Security</b>  |                      |              |
| <b>County/City/Special District/School District (continued)</b>  |                      |              |
| San Diego Unified School District, GO, Election of 2012, Series I, 5.00%, 07/01/47   | \$ 5,935             | \$ 6,632,719 |
| San Francisco Bay Area Rapid Transit District, GO, Election of 2016, Green Bonds, Series A,<br>4.00%, 08/01/42                                       | 7,875                | 8,085,420    |
| San Marcos Schools Financing Authority, Refunding RB (AGM), 5.25%, 08/15/40  | 2,900                | 3,302,027    |
| Tracy Community Facilities District:   |                      |              |
| Special Tax Bonds, Series 1, 5.00%, 09/01/38   | 230                  | 244,111      |
| Special Tax Bonds, Series 1, 5.00%, 09/01/48   | 385                  | 405,135      |
| Special Tax Bonds, Series 1, 5.00%, 09/01/43   | 350                  | 369,740      |
| Washington Township Health Care District, GO, Election of 2004, Series B, 5.50%, 08/01/38  | 1,625                | 1,852,646    |

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA FUND, INC. - Form N-Q

|  |       |            |
|--|-------|------------|
| West Contra Costa California Unified School District, GO, Election of 2012, Series A, 5.50%,<br>08/01/39 | 2,500 | 2,816,950  |
|  |       | 69,692,655 |
| <b>Education 7.5%</b>  |       |            |
| California Educational Facilities Authority, Refunding RB:   |       |            |
| Pitzer College, 6.00%, 04/01/20 <sup>(a)</sup>   | 2,500 | 2,642,650  |
| San Francisco University, 6.13%, 10/01/21 <sup>(a)</sup>   | 855   | 953,556    |
| San Francisco University, 6.13%, 10/01/36 <sup>(a)</sup>   | 890   | 985,390    |
| California Municipal Finance Authority, RB, Emerson College, 6.00%, 01/01/22 <sup>(a)</sup>              | 2,750 | 3,081,925  |
| California School Finance Authority, RB:   |       |            |
| Alliance College-Ready Public Schools - 2023 Union LLC Project, Series A, 6.00%, 07/01/33                | 1,500 | 1,647,135  |
| Alliance College-Ready Public Schools - 2023 Union LLC Project, Series A, 6.30%, 07/01/43                | 3,000 | 3,300,090  |
| Value Schools, 6.65%, 07/01/33   | 595   | 656,386    |
| Value Schools, 6.90%, 07/01/43   | 1,330 | 1,461,657  |
| University of California, Refunding RB:  |       |            |
| General, Series AZ, 5.00%, 05/15/43 <sup>(d)</sup>   | 4,700 | 5,263,342  |

Schedule of Investments (unaudited) (continued)

BlackRock MuniYield California Fund, Inc. (MYC)

October 31, 2018

(Percentages shown are based on Net Assets)

|   | <i>Par</i>   |              |
|---|--------------|--------------|
| <i>Security</i>   | <i>(000)</i> | <i>Value</i> |
| <b>Education (continued)</b>  |              |              |
| University of California, Refunding RB (continued):   |              |              |
| Limited Project, Series O, 5.00%, 05/15/40  | \$ 3,000     | \$ 3,354,420 |
|   |              | 23,346,551   |
| <b>Health 12.9%</b>   |              |              |
| California Health Facilities Financing Authority, RB:                                       |              |              |
| Cedars Sinai Medical Center, Series A, 5.00%, 08/15/35                                      | 1,900        | 2,128,399    |
| Children s Hospital, Series A,  |              |              |
| 5.25%, 11/01/41   | 9,700        | 10,503,645   |
| Sutter Health, Series B, 6.00%, 08/15/20 <sup>(a)</sup>                                     | 7,530        | 8,074,946    |
| California Health Facilities Financing Authority, Refunding RB, Catholic Healthcare West,   |              |              |
| Series A, 6.00%, 07/01/19 <sup>(a)</sup>  | 10,000       | 10,283,100   |
| California Statewide Communities Development Authority, RB:                                 |              |              |
| Loma Linda University Medical Center, 5.50%, 12/01/58 <sup>(b)</sup>                        | 625          | 655,813      |
| Sutter Health, Series A, 6.00%, 08/15/20 <sup>(a)</sup>                                     | 8,110        | 8,682,079    |
|   |              | 40,327,982   |
| <b>Housing 1.1%</b>   |              |              |
| County of Santa Clara California Housing Authority, RB, M/F, John Burns Gardens             |              |              |
| Apartments Project, Series A, AMT,  |              |              |
| 6.00%, 08/01/41   | 3,500        | 3,506,685    |
| <b>State 13.1%</b>  |              |              |
| State of California, GO, Refunding:   |              |              |
| Various Purpose, 5.00%, 09/01/35  | 10,115       | 11,389,288   |
| Various Purpose, 5.25%, 10/01/39  | 3,500        | 3,955,350    |
| Various Purposes, 5.00%, 11/01/37   | 4,690        | 5,294,635    |
| Various Purposes, 5.00%, 11/01/36   | 2,000        | 2,262,820    |
| State of California Public Works Board, LRB:  |              |              |
| Department of Developmental Services, Poterville, Series C, 6.25%, 04/01/19 <sup>(a)</sup>  | 1,610        | 1,640,799    |
| Department of Education, Riverside Campus Project, Series B, 6.50%, 04/01/19 <sup>(a)</sup> | 10,000       | 10,201,100   |
| Various Capital Projects, Series I,   |              |              |
| 5.50%, 11/01/33   | 1,510        | 1,697,391    |
|   | <i>Par</i>   |              |
|   | <i>(000)</i> | <i>Value</i> |
| <b>State (continued)</b>  |              |              |
| State of California Public Works Board, LRB (continued):                                    |              |              |
| Various Capital Projects, Sub-Series I-1,   |              |              |
| 6.38%, 11/01/19 <sup>(a)</sup>  | \$ 4,400     | \$ 4,602,092 |
|   |              | 41,043,475   |

**Tobacco 4.7%**

|  |       |            |
|--|-------|------------|
| County of California Tobacco Securitization Agency, Refunding RB, Asset-Backed, Merced County, Series A, 5.25%, 06/01/45                       | 775   | 776,969    |
| Golden State Tobacco Securitization Corp., Refunding RB:<br>Asset-Backed, Convertible CAB, Series A-2, 5.30%, 06/01/37                         | 750   | 766,695    |
| Series A-1, 5.00%, 06/01/47  | 9,840 | 9,581,208  |
| Tobacco Securitization Authority of Southern California, Refunding RB, Tobacco Settlement, Asset-Backed, Senior Series A-1:<br>5.00%, 06/01/37 | 3,000 | 3,007,440  |
| 5.13%, 06/01/46  | 605   | 606,500    |
|  |       | 14,738,812 |

**Transportation 14.3%**

|   |       |           |
|---|-------|-----------|
| City & County of San Francisco California Airports Commission, Refunding ARB, , 5.00%, 05/01/42                               | 3,550 | 3,840,816 |
| City & County of San Francisco California Airports Commission, ARB, Second Series E, 6.00%, 05/01/39                          | 4,810 | 4,911,491 |
| City & County of San Francisco California Airports Commission, Refunding ARB, AMT, Series A:<br>2nd, 5.25%, 05/01/33          | 1,440 | 1,568,405 |
| Series B, 5.00%, 05/01/47   | 3,500 | 3,842,545 |
| City & County of San Francisco California Port Commission, RB, Series A, 5.13%, 03/01/40                                      | 5,075 | 5,234,609 |
| City of Long Beach California Harbor Revenue, ARB, Series A, AMT, 5.00%, 05/15/40   | 3,910 | 4,297,129 |
| City of Los Angeles California Department of Airports, ARB, Los Angeles International Airport, Series B, AMT, 5.00%, 05/15/36 | 2,365 | 2,578,559 |

Schedule of Investments (unaudited) (continued)

BlackRock MuniYield California Fund, Inc. (MYC)

October 31, 2018

(Percentages shown are based on Net Assets)

| <i>Security</i>  | <i>Par<br/>(000)</i> | <i>Value</i> |
|--|----------------------|--------------|
| <b>Transportation (continued)</b>  |                      |              |
| City of San Jose California, ARB, Norman Y Mineta San Jose International Airport SJC, Series A-1, AMT (AGM):                     |                      |              |
| 5.50%, 03/01/30  | \$ 1,000             | \$ 1,066,070 |
| 5.75%, 03/01/34  | 1,000                | 1,072,150    |
| City of San Jose California, Refunding ARB, Norman Y Mineta San Jose International Airport SJC, Series A-1, AMT, 6.25%, 03/01/34 | 1,400                | 1,525,734    |
| County of Sacramento California Airport System Revenue, Refunding ARB, Senior Series A, 5.00%, 07/01/41                          | 8,290                | 9,089,985    |
| County of San Diego Regional Airport Authority, ARB, Subordinate, Series B, AMT, 5.00%, 07/01/42                                 | 4,100                | 4,456,946    |
| San Diego Association of Governments South Bay Expressway Revenue, Refunding RB, Senior Lien, Series A, 5.00%, 07/01/42          | 1,000                | 1,106,500    |
|  |                      | 44,590,939   |
| <b>Utilities 9.5%</b>  |                      |              |
| City of Los Angeles California Department of Water & Power, Refunding RB, Water System, Series A, 5.25%, 07/01/39                | 4,000                | 4,244,080    |
| City of Petaluma California Wastewater Revenue, Refunding RB, 6.00%, 05/01/21 <sup>(a)</sup>                                     | 2,645                | 2,905,532    |
| City of Richmond California Wastewater Revenue, Refunding RB, Series A, 5.00%, 08/01/42  | 5,185                | 5,816,222    |
| Dublin-San Ramon Services District Water Revenue, Refunding RB, 6.00%, 02/01/21 <sup>(a)</sup>                                   | 2,420                | 2,636,057    |
| Eastern Municipal Water District, Refunding RB, Series A, 5.00%, 07/01/42  | 3,000                | 3,340,590    |
| Los Angeles Department of Water & Power Power System Revenue, RB, Series A, 5.00%, 07/01/42                                      | 3,440                | 3,824,145    |
| Los Angeles Department of Water & Power Power System Revenue, Refunding RB, Series A, 5.00%, 07/01/38                            | 1,950                | 2,220,153    |
| Oceanside Public Financing Authority, Refunding RB, Series A: 5.25%, 05/01/30  | 1,245                | 1,397,662    |
|  | <i>Par<br/>(000)</i> | <i>Value</i> |
| <b>Security</b>  |                      |              |
| <b>Utilities (continued)</b>   |                      |              |
| Oceanside Public Financing Authority, Refunding RB, Series A (continued): 5.25%, 05/01/33  | \$ 2,810             | \$ 3,136,775 |
|  |                      | 29,521,216   |
| <b>Total Municipal Bonds in California</b>   |                      | 268,808,675  |
| <b>Puerto Rico 0.9%</b>  |                      |              |
| <b>Tobacco 0.9%</b>  |                      |              |
| Children s Trust Fund, Refunding RB, Tobacco Settlement Asset-Backed Bonds: 5.50%, 05/15/39                                      | 1,970                | 1,997,974    |

|  |        |             |
|--|--------|-------------|
| 5.63%, 05/15/43  | 795    | 805,820     |
| <b>Total Municipal Bonds in Puerto Rico</b>  |        | 2,803,794   |
| <b>Total Municipal Bonds 87.0%</b><br><b>(Cost \$266,032,593)</b>  |        | 271,612,469 |
| <b>Municipal Bonds Transferred to Tender Option Bond Trusts<sup>(c)</sup></b>  |        |             |
| <b>California 83.0%</b>  |        |             |
| <b>County/City/Special District/School District 32.8%</b>  |        |             |
| County of Los Angeles California Public Works Financing Authority, Refunding RB, Series A:                                   |        |             |
| 5.00%, 12/01/39  | 17,850 | 19,799,488  |
| 5.00%, 12/01/44  | 14,095 | 15,576,623  |
| Los Angeles Community College District California, GO, Election of 2008, Series C, 5.25%, 08/01/20 <sup>(a)(d)</sup>         | 9,682  | 10,237,389  |
| Los Angeles Community College District California, GO, Refunding, Election of 2008, Series A, 6.00%, 08/01/19 <sup>(a)</sup> | 3,828  | 3,949,806   |
| Palomar Community College District, GO, Election of 2006, Series C, 5.00%, 08/01/44  | 15,140 | 16,878,526  |
| San Diego California Community College District, GO, Election of 2002, 5.25%, 08/01/19 <sup>(a)</sup>                        | 7,732  | 7,932,856   |
| San Marcos Unified School District, GO, Election of 2010, Series A, 5.00%, 08/01/21 <sup>(a)</sup>                           | 15,520 | 16,783,871  |



Schedule of Investments (unaudited) (continued)

BlackRock MuniYield California Fund, Inc. (MYC)

October 31, 2018

(Percentages shown are based on Net Assets)

|  | <i>Par</i>   |               |
|--|--------------|---------------|
| <i>Security</i>  | <i>(000)</i> | <i>Value</i>  |
| <b>County/City/Special District/School District (continued)</b>  |              |               |
| Santa Monica Community College District, GO, Election of 2016, Series A, 5.00%,<br>08/01/43                                | \$ 10,000    | \$ 11,344,150 |
|  |              | 102,502,709   |
| <b>Education 26.3%</b>   |              |               |
| California State University, Refunding RB, Systemwide, Series A:<br>5.00%, 11/01/41  | 9,775        | 10,768,416    |
| 5.00%, 11/01/42 <sup>(d)</sup>   | 13,430       | 14,930,937    |
| University of California, RB, Series AM,<br>5.25%, 05/15/44  | 11,950       | 13,383,104    |
| University of California, Refunding RB:<br>Series A, 5.00%, 11/01/43   | 5,001        | 5,547,297     |
| Series AZ, 5.00%, 05/15/43 <sup>(b)(d)</sup>   | 12,000       | 13,438,260    |
| Series I, 5.00%, 05/15/40  | 21,875       | 24,178,844    |
|  |              | 82,246,858    |
| <b>Health 13.2%</b>  |              |               |
| California Health Facilities Financing Authority, RB, Sutter Health, Series A, 5.00%,<br>11/15/41                          | 11,000       | 11,978,065    |
| California Statewide Communities Development Authority, Refunding RB, Cottage Health<br>System Obligation, 5.00%, 11/01/43 | 26,870       | 29,169,535    |
|  |              | 41,147,600    |
| <b>State 4.0%</b>  |              |               |
| State of California, GO, Refunding, Go, Refunding, Various Purpose, Bid Group, 5.00%,<br>08/01/37                          | 10,975       | 12,440,479    |
| <b>Transportation 3.5%</b>   |              |               |
| City of Los Angeles California Department of Airports, ARB, Series A, AMT, 5.00%,<br>05/15/45                              | 10,045       | 10,790,806    |
|  | <i>Par</i>   |               |
| <i>Security</i>  | <i>(000)</i> | <i>Value</i>  |
| <b>Utilities 3.2%</b>  |              |               |
| City of Los Angeles California Wastewater System Revenue, Refunding RB, Series A,<br>5.00%, 06/01/19 <sup>(a)</sup>        | \$ 9,870     | \$ 10,054,075 |
| <b>Total Municipal Bonds Transferred to Tender Option Bond Trusts 83.0%</b>  |              |               |
| <b>(Cost \$259,573,591)</b>  |              | 259,182,527   |
|  |              | 530,794,996   |

**Total Long-Term Investments 170.0%**  
**(Cost \$525,606,184)**

|  | <i>Shares</i> |                |
|--|---------------|----------------|
| <b>Short-Term Securities 0.0%</b>  |               |                |
| BlackRock Liquidity Funds California Money Fund, Institutional Class, 1.12% <sup>(e)(f)</sup>    | 517           | 517            |
| <b>Total Short-Term Securities 0.0%</b>  |               |                |
| <b>(Cost \$517)</b>  |               | 517            |
| <b>Total Investments 170.0%</b>  |               |                |
| <b>(Cost \$525,606,701)</b>  |               | 530,795,513    |
| <b>Other Assets Less Liabilities 2.3%</b>  |               | 7,172,514      |
| <b>Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable (38.4)%</b> |               | (120,047,834)  |
| <b>VRDP Shares, at Liquidation Value, Net of Deferred Offering Costs (33.9)%</b>                 |               | (105,700,923)  |
| <b>Net Assets Applicable to Common Shares 100.0%</b>   |               | \$ 312,219,270 |

(a) U.S. 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) Security exempt from registration pursuant to Rule 144A under the Securities Act of 1933, as amended. These securities may be resold in transactions exempt from registration to qualified institutional investors.

(c) Represent bonds transferred to a TOB Trust in exchange of cash and residual certificates received by the Fund. These bonds serve as collateral in a secured borrowing.

(d) All or a portion of security is subject to a recourse agreement. The aggregate maximum potential amount the Fund could ultimately be required to pay under the agreement, which expires between May 18, 2020 to May 15, 2026, is \$18,469,609.

(e) Annualized 7-day yield as of period end.

Schedule of Investments (unaudited) (continued)

BlackRock MuniYield California Fund, Inc. (MYC)

October 31, 2018

(f) During the period ended October 31, 2018, investments in issuers considered to be affiliate of the Fund for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

| <i>Affiliate</i>  | <i>Shares<br/>Held at<br/>07/31/18</i> | <i>Net<br/>Activity</i> | <i>Shares<br/>Held<br/>at</i> |                 | <i>Value at<br/>10/31/18</i> | <i>Incom<br/>e</i> | <i>Gain (Loss)<br/>(a)</i> | <i>Change<br/>in<br/>Net Unrealized<br/>Appreciation<br/>(Depreciation)</i> |
|---|--|-------------------------|-------------------------------|-----------------|------------------------------|--------------------|----------------------------|---|
|   |  |                         | <i>10/31/18</i>               | <i>10/31/18</i> |                              |                    |                            |   |
| BlackRock Liquidity<br>Funds California Money<br>Fund Portfolio |  | 517                     | 517                           | \$ 517          | \$                           | \$                 | \$                         |   |
| BlackRock Liquidity<br>Funds, MuniCash,<br>Institutional Class  | 5,452,423                              | (5,452,423)             |                               |                 |                              | 4,031              | (331) (214)                |   |
|   |  |                         |                               | \$ 517          | \$ 4,031                     | \$ (331)           | \$ (214)                   |   |

(a) Includes net capital gain distributions, if applicable.

For Fund compliance purposes, the Fund's sector classifications refer to one or more of the sector sub-classifications used by one or more widely recognized market indexes or rating group indexes, and/or as defined by the investment adviser. These definitions may not apply for purposes of this report, which may combine such sector sub-classifications for reporting ease.

#### Portfolio Abbreviations

AGM Assured Guaranty Municipal Corp.

AMBAC American Municipal Bond Assurance Corp.

AMT Alternative Minimum Tax (subject to)

ARB Airport Revenue Bonds

CAB Capital Appreciation Bonds

COP Certificates of Participation

GO General Obligation Bonds

LRB Lease Revenue Bonds

M/F Multi-Family

RB Revenue Bonds

**Derivative Financial Instruments Outstanding as of Period End**

**Futures Contracts**

| <i>Description</i>         | <i>Number of<br/>Contracts</i> | <i>Expiration<br/>Date</i> | <i>Notional<br/>Amount<br/>(000)</i> | <i>Value/<br/>Unrealized<br/>Appreciation<br/>(Depreciation)</i> |
|----------------------------|--------------------------------|----------------------------|--------------------------------------|--|
| <i>Short Contracts:</i>    |                                |                            |                                      |  |
| 10-Year U.S. Treasury Note | 29                             | 12/19/18                   | \$ 3,435                             | \$ 23,569  |
| Long U.S. Treasury Bond    | 72                             | 12/19/18                   | 9,945                                | 230,145  |
| 5-Year U.S. Treasury Note  | 22                             | 12/31/18                   | 2,472                                | 9,674  |
|                            |                                |                            |                                      | \$ 263,388   |

Schedule of Investments (unaudited) (continued)

BlackRock MuniYield California Fund, Inc. (MYC)

October 31, 2018

**Fair Value Hierarchy as of Period End**

Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs to valuation techniques are categorized into a fair value hierarchy consisting of three broad levels for financial reporting purposes as follows:

Level 1 Unadjusted price quotations in active markets/exchanges for identical assets or liabilities that the Fund has the ability to access

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 Fund's own assumptions used in determining the fair value of investments and derivative financial instruments)

The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). Accordingly, the degree of judgment exercised in determining fair value is greatest for instruments categorized in Level 3. The inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, for disclosure purposes, the fair value hierarchy classification is determined based on the lowest level input that is significant to the fair value measurement in its entirety. Investments classified within Level 3 have significant unobservable inputs used by the BlackRock Global Valuation Methodologies Committee (the Global Valuation Committee) in determining the price for Fair Valued Investments. Level 3 investments include equity or debt issued by privately held companies or funds. There may not be a secondary market, and/or there are a limited number of investors. Level 3 investments may also be adjusted to reflect illiquidity and/or non-transferability, with the amount of such discount estimated by the Global Valuation Committee in the absence of market information.

Changes in valuation techniques may result in transfers into or out of an assigned level within the hierarchy. In accordance with the Fund's policy, transfers between different levels of the fair value hierarchy are deemed to have occurred as of the beginning of the reporting period. The categorization of a value determined for investments and derivative financial instruments is based on the pricing transparency of the investments and derivative financial instruments and is not necessarily an indication of the risks associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and derivative financial instruments, refer to the Fund's most recent financial statements as contained in its annual report.

The following tables summarize the Fund's investments and derivative financial instruments categorized in the disclosure hierarchy:

|   | <i>Level 1</i> | <i>Level 2</i> | <i>Level 3</i> | <i>Total</i>   |
|---|----------------|----------------|----------------|----------------|
| Assets:   |                |                |                |                |
| Investments:                                    |                |                |                |                |
| Long-Term Investments <sup>(a)</sup>            | \$             | \$ 530,794,996 | \$             | \$ 530,794,996 |
| Short-Term Securities                           | 517            |                |                | 517            |
|   | \$ 517         | \$ 530,794,996 | \$             | \$ 530,795,513 |
| Derivative Financial Instruments <sup>(b)</sup> |                |                |                |                |
| Assets:   |                |                |                |                |
| Interest rate contracts                         | \$ 263,388     | \$             | \$             | \$ 263,388     |

<sup>(a)</sup> See above Schedule of Investments for values in each sector.

<sup>(b)</sup> Derivative financial instruments are futures contracts. Future contracts are valued at the unrealized appreciation (depreciation) on the instrument.

Schedule of Investments (unaudited) (continued)

**BlackRock MuniYield California Fund, Inc. (MYC)**

October 31, 2018

The Fund may hold assets and/or liabilities in which the fair value approximates the carrying amount for financial statement purposes. As of period end, such assets and/or liabilities are categorized within the disclosure hierarchy as follows:

|                                  | <i>Level 1</i> | <i>Level 2</i>   | <i>Level 3</i> | <i>Total</i>     |
|----------------------------------|----------------|------------------|----------------|------------------|
| Liabilities:                     |                |                  |                |                  |
| TOB Trust Certificates           | \$             | \$ (119,597,698) | \$             | \$ (119,597,698) |
| VRDP Shares at Liquidation Value |                | (105,900,000)    |                | (105,900,000)    |
|                                  | \$             | \$ (225,497,698) | \$             | \$ (225,497,698) |

During the period ended October 31, 2018, there were no transfers between levels.

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 MuniYield California Fund, Inc.

By: /s/ John M. Perlowski  
John M. Perlowski  
Chief Executive Officer (principal executive officer) of  
BlackRock MuniYield California Fund, Inc.

Date: December 19, 2018

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

By: /s/ John M. Perlowski  
John M. Perlowski  
Chief Executive Officer (principal executive officer) of  
BlackRock MuniYield California Fund, Inc.

Date: December 19, 2018

By: /s/ Neal J. Andrews  
Neal J. Andrews  
Chief Financial Officer (principal financial officer) of  
BlackRock MuniYield California Fund, Inc.

Date: December 19, 2018