

BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC  
Form N-CSRS  
April 07, 2011  
UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

**FORM N-CSR**

**CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT INVESTMENT COMPANIES**

Investment Company Act file number 811-06692

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

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock Series 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: 07/31/2011

Date of reporting period: 01/31/2011

Item 1 Report to Stockholders

---

January 31, 2011

## Semi-Annual Report (Unaudited)

BlackRock MuniHoldings Quality Fund II, Inc. (MUE)

BlackRock MuniYield California Quality Fund, Inc. (MCA)

BlackRock MuniYield Quality Fund III, Inc. (MYI)

BlackRock MuniYield Michigan Quality Fund II, Inc. (MYM)

BlackRock MuniYield New York Quality Fund, Inc. (MYN)

Not FDIC Insured § No Bank Guarantee § May Lose Value

---

---

Table of Contents

---

	<b>Page</b>
<u>Dear Shareholder</u>	3
<b>Semi-Annual Report:</b>	
<u>Municipal Market Overview</u>	4
<u>Fund Summaries</u>	5
<u>The Benefits and Risks of Leveraging</u>	10
<u>Derivative Financial Instruments</u>	10
Financial Statements:	
<u>Schedules of Investments</u>	11
<u>Statements of Assets and Liabilities</u>	35
<u>Statements of Operations</u>	36
<u>Statements of Changes in Net Assets</u>	37
<u>Statements of Cash Flows</u>	40
<u>Financial Highlights</u>	41
<u>Notes to Financial Statements</u>	46
<u>Officers and Directors</u>	53
<u>Additional Information</u>	54

---

Dear Shareholder

Economic data fluctuated widely throughout 2010, but as the year drew to a close, it became clear that cyclical stimulus had beaten out structural problems as economic data releases generally became more positive and financial markets showed signs of continuing improvement. The sovereign debt crises and emerging market inflation that troubled the global economy in 2010 remain a challenge to global growth, but overall levels of uncertainty are gradually declining as the United States and the world economy are progressing from a stimulus-driven recovery into a consumption-driven expansion.

In the United States, the corporate sector has been an important area of strength and consumer spending has shown improvement, although weakness in the housing and labor markets continues to burden the economy. It is important to note that we are in the midst of the first global economic recovery that is being led by emerging economies, and the United States has only just begun its transition to a self-sustaining expansion, suggesting that economic improvements still have a way to go.

Global equity markets experienced uneven growth and high volatility over the course of 2010, but ended the year strong. Stocks continued their advance through most of January until the political unrest in Egypt and widespread discord across the Middle East caused a sharp, but temporary decline at the end of the period. US stocks outpaced most international markets over the 12-month period. Small cap stocks outperformed large caps as investors moved into higher-risk assets.

Fixed income markets saw yields trend lower over most of 2010, until the fourth quarter brought an abrupt reversal in sentiment and risk tolerance that drove yields sharply upward (pushing prices downward) through year end and into the New Year. However, on a 12-month basis, yields were lower overall and fixed income markets performed well. Conversely, the tax-exempt municipal market was dealt an additional blow as it became evident that the Build America Bond program would expire at the end of 2010. In addition, negative headlines regarding fiscal challenges faced by state and local governments damaged investor confidence and sparked additional volatility in the municipal market. These conditions began to moderate as the period came to a close and the market has shown signs of improvement in supply-and-demand technicals.

Cash investments, as represented by the 3-month Treasury bill, returned only a fraction over 0% for the 12-month period as short-term interest rates remained low. Yields on money market securities remain near all-time lows.

<b>Total Returns as of January 31, 2011</b>	<b>6-month</b>	<b>12-month</b>
US large cap equities (S&P 500 Index)	17.93%	22.19%
US small cap equities (Russell 2000 Index)	20.75	31.36
International equities (MSCI Europe, Australasia, Far East Index)	16.10	15.38
3-month Treasury bill (BofA Merrill Lynch 3-Month Treasury Bill Index)	0.06	0.13
US Treasury securities (BofA Merrill Lynch 10-Year US Treasury Index)	(2.25)	5.25
US investment grade bonds (Barclays Capital US Aggregate Bond Index)	0.20	5.06
Tax-exempt municipal bonds (Barclays Capital Municipal Bond Index)	(2.84)	1.10
US high yield bonds (Barclays Capital US Corporate High Yield 2% Issuer Capped Index)	8.65	15.96

Past performance is no guarantee of future results. Index performance shown for illustrative purposes only. You cannot invest directly in an index.

While no one can peer into a crystal ball and eliminate the uncertainties presented by the economic landscape and financial markets, BlackRock can offer investors the next best thing: partnership with the world's largest asset management firm and a unique global perspective that allows us

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

to identify trends early and capitalize on market opportunities. For additional market perspective and investment insight, visit [www.blackrock.com/shareholdermagazine](http://www.blackrock.com/shareholdermagazine), where you will find the most recent issue of our award-winning *Shareholder*® magazine, as well as its quarterly companion newsletter, *Shareholder Perspectives*. As always, we thank you for entrusting BlackRock with your investments, and we look forward to your continued partnership in the months and years ahead.

Sincerely,  
Rob Kapito  
President, BlackRock Advisors, LLC

---

THIS PAGE NOT PART OF YOUR FUND REPORT

3

---

---

## Municipal Market Overview

---

### As of January 31, 2011

---

The municipal market began the period with a strong tone as rates fell (and prices rose) along with those of US Treasuries. However, the cliché of the perfect storm of negative events all conspired in the final months of 2010, leading to the worst quarterly performance for the municipal market since the tightening cycle of 1994. Treasury yields lost their support as concerns about the US deficit raised questions over the willingness of foreign investors to continue to purchase Treasury securities, at least at the previous historically low yields. Municipal valuations also suffered a quick and severe setback as it became evident that the Build America Bond ( BAB ) program would expire at year-end. The program had opened the taxable market to municipal issuers, which had successfully alleviated supply pressure in the traditional tax-exempt marketplace, bringing down yields in that space.

The financial media has been replete with interviews, articles and presentations advertising the stress experienced in municipal finance, resulting in a loss of confidence among retail investors who buy individual bonds or mutual funds. From the middle of November through year-end, funds specializing in tax-exempt bonds witnessed weekly outflows averaging over \$2.5 billion. Long-term and high-yield funds saw the greatest redemptions, followed by state-specific funds to a lesser but still significant degree. Demand usually is strong at the beginning of the new year against a backdrop of low new-issue supply, but the mutual fund outflows continued in January, putting additional upward pressure on municipal yields. Political uncertainty surrounding the midterm elections and the approach taken by the new Congress on issues such as income tax rates and alternative minimum tax (and the previously mentioned BAB non-extension) exacerbated the situation. All these conditions, combined with the seasonal illiquidity surrounding year-end holidays and dealers closing their fiscal books, sapped willing market participation from the trading community.

As demand for municipal securities from traditional retail investors was declining and trading desk liquidity was being curtailed, there was no comparable reduction in supply. As it became evident that the BAB program would be retired, issuers rushed deals to market both in the taxable municipal space and, to a lesser degree, in the traditional tax-exempt space. This imbalance in the supply/demand technicals provided the classic market action, leading to wider quality spreads and higher bond yields. The municipal curve steepened as the issuance was concentrated in longer (greater than 20-year) maturities. Curve steepening that began in October accelerated in November, spurred on by Treasury weakness, heavy supply and record outflows. As measured by Thomson Municipal Market Data, AAA-rated municipals rose nearly 82 basis points ( bps ) for maturities 25 years and longer from July 31, 2010, to January 31, 2011. The spread between two-year and 30-year maturities widened from 360 bps to 406 bps over the period.

The fundamental picture for municipalities will be subject to scrutiny for months to come, as the challenges to state and local budgets are real and need to be addressed with significant cuts to expenses and tax revenue increases. The debates around austerity measures needed to succeed in balancing these budgets are not over whether action needs to be taken, but over degree, approach and political will to accomplish these needs. The attention shone upon municipal finance has the potential to improve this market for the future if these efforts result in greater means toward disclosure and accuracy (and timeliness) of reporting. Early tests to judge progress will come soon as California, Illinois and Puerto Rico need to take austerity measures and access financing in the municipal market to address relatively immediate fiscal imbalances. BlackRock favors a more constructive outlook for the municipal market heading into 2011 as the typical, and this year particularly atypical, weakness passes.

Fund Summary as of January 31, 2011

BlackRock MuniHoldings Quality Fund II, Inc.

---

**Fund Overview**


---

Effective November 9, 2010, BlackRock MuniHoldings Insured Fund II, Inc. changed its name to BlackRock MuniHoldings Quality Fund II, Inc.

**BlackRock MuniHoldings Quality Fund II, Inc. s (MUE) (the Fund )** investment objective is to provide shareholders with current income exempt from federal income taxes. The Fund seeks to achieve its investment objective by investing primarily in long-term, investment grade municipal obligations exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax). Under normal market conditions, the Fund invests at least 80% of its assets in municipal obligations with remaining maturities of one year or more at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

---

**Performance**


---

Effective November 9, 2010, the Fund s investment policy was changed by the removal of the insurance investment policy that required at least 80% of Fund assets to be invested in insured municipal securities. Accordingly, the Fund was moved from the Lipper Insured Municipal Debt Funds (Leveraged) category into the Lipper General Municipal Debt Funds (Leveraged) category. For the six months ended January 31, 2011, the Fund returned (15.50)% based on market price and (8.08)% based on net asset value ( NAV ). For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of (8.46)% based on market price and (6.45)% based on NAV, while the closed-end Lipper Insured Municipal Debt Funds (Leveraged) category posted an average return of (11.13)% based on market price and (6.92)% based on NAV. All returns reflect reinvestment of dividends. The Fund moved from a premium to NAV to a discount by period-end, which accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. The Fund s exposure to longer-duration and longer-maturity bonds detracted from performance as the long end of the yield curve steepened during the period. Conversely, the Fund s exposure to the housing sector contributed to performance as the sector was one of the municipal market s better performers. Additionally, the Fund s exposure to shorter-duration bonds and premium coupon bonds (6% or higher) benefited performance in the rising interest rate environment of the period.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

---

**Fund Information**


---

Symbol on New York Stock Exchange ( NYSE )	MUE
Initial Offering Date	February 26, 1999
Yield on Closing Market Price as of January 31, 2011 (\$11.65) <sup>1</sup>	7.57%
Tax Equivalent Yield <sup>2</sup>	11.65%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.0735
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.8820
Leverage as of January 31, 2011 <sup>4</sup>	42%

---

## Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

- <sup>1</sup> Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.
- <sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.
- <sup>3</sup> The distribution rate is not constant and is subject to change.
- <sup>4</sup> Represents Auction Market Preferred Shares ( Preferred Shares ) and tender option bond trusts ( TOBs ) as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred Shares and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques utilized by the Fund, please see The Benefits and Risks of Leveraging on page 10.

The table below summarizes the changes in the Fund's market price and NAV per share:

	1/31/11	7/31/10	Change	High	Low
Market Price	\$ 11.65	\$ 14.26	(18.30)%	\$ 14.63	\$ 10.87
Net Asset Value	\$ 12.06	\$ 13.57	(11.13)%	\$ 14.04	\$ 11.62

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

### Sector Allocations

	1/31/11	7/31/10
County/City/Special District/School District	28%	28%
Transportation	23	23
Utilities	22	23
Health	10	9
State	9	11
Housing	5	5
Corporate	2	1
Education	1	

### Credit Quality Allocations<sup>5</sup>

	1/31/11	7/31/10
AAA/Aaa	11%	54%
AA/Aa	68	24
A	17	20
BBB/Baa	3	1
Not Rated <sup>6</sup>	1	1

<sup>5</sup> Using the higher of Standard & Poor's ( S&Ps ) or Moody's Investors Service (Moody's ) ratings.

<sup>6</sup> The investment advisor has deemed certain of these securities to be of investment grade quality. As of January 31, 2011 and July 31, 2010, the market value of these securities was \$3,531,114, representing 1% and \$3,925,265, representing 1%, respectively, of the Fund's long-term investments.





Fund Summary as of January 31, 2011

BlackRock MuniYield California Quality Fund, Inc.

---

**Fund Overview**


---

Effective November 9, 2010, BlackRock MuniYield California Insured Fund, Inc. changed its name to BlackRock MuniYield California Quality Fund, Inc.

**BlackRock MuniYield California Quality Fund, Inc. s (MCA) (the Fund )** investment objective is to provide shareholders with as high a level of current income exempt from federal and California income taxes as is consistent with its investment policies and prudent investment management. The Fund seeks to achieve its investment objective by investing at least 80% of its assets in municipal obligations exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax) and California income taxes. Under normal market conditions, the Fund invests primarily in long-term municipal obligations that are investment grade quality at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

---

**Performance**


---

Effective November 9, 2010, the Fund s investment policy was changed by the removal of the insurance investment policy that required at least 80% of Fund assets to be invested in insured municipal securities. Accordingly, the Fund was moved from the Lipper Single-State Insured Municipal Debt Funds category into the Lipper California Municipal Debt Funds category. For the six months ended January 31, 2011, the Fund returned (9.16)% based on market price and (7.78)% based on NAV. For the same period, the closed-end Lipper California Municipal Debt Funds category posted an average return of (9.24)% based on market price and (8.09)% based on NAV, while the closed-end Lipper Single-State Insured Municipal Debt Funds category posted an average return of (9.05)% based on market price and (6.44)% based on NAV. All returns reflect reinvestment of dividends. The Fund s discount to NAV, which widened during the period, accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. A generally negative municipal market environment hindered Fund performance. Some widening of credit spreads, especially among California school districts and health care credits, detracted from Fund performance, as did a relatively long duration posture given the rising interest rate environment of the period. Conversely, the Fund maintained a low average cash reserve level, which benefited total return by boosting income accrual. Increased exposure to tender option bonds to take advantage of the historically steep municipal yield curve also benefited the income accrual. As a result, the Fund was able to increase dividend payments twice over the period. In addition, the Fund s holdings in corporate-backed municipals aided performance as non-traditional investors identified the sector s attractive investment opportunities and subsequently drove up demand.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

---

**Fund Information**


---

Symbol on NYSE	MCA
Initial Offering Date	October 30, 1992
Yield on Closing Market Price as of January 31, 2011 (\$12.34) <sup>1</sup>	7.15%

## Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

Tax Equivalent Yield <sup>2</sup>	11.00%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.0735
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.8820
Leverage as of January 31, 2011 <sup>4</sup>	44%

- <sup>1</sup> Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.
- <sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.
- <sup>3</sup> The distribution rate is not constant and is subject to change.
- <sup>4</sup> Represents Preferred Shares and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred Shares and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques utilized by the Fund, please see The Benefits and Risks of Leveraging on page 10.

The table below summarizes the changes in the Fund's market price and NAV per share:

	1/31/11	7/31/10	Change	High	Low
Market Price	\$ 12.34	\$ 14.02	(11.98) %	\$ 14.70	\$ 11.83
Net Asset Value	\$ 13.10	\$ 14.66	(10.64) %	\$ 15.22	\$ 12.62

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

### Sector Allocations

	1/31/11	7/31/10
County/City/Special District/School District	51%	55%
Utilities	26	22
Education	8	7
Transportation	7	11
Corporate	4	1
Health	3	2
State	1	2

### Credit Quality Allocations<sup>5</sup>

	1/31/11	7/31/10
AAA/Aaa	10%	57%
AA/Aa	77	29
A	13	14

<sup>5</sup> Using the higher of S&P's or Moody's ratings.

---

6

SEMI-ANNUAL REPORT

JANUARY 31, 2011

---

Fund Summary as of January 31, 2011

BlackRock MuniYield Quality Fund III, Inc.

---

**Fund Overview**


---

Effective November 9, 2010, BlackRock MuniYield Insured Fund, Inc. changed its name to BlackRock MuniYield Quality Fund III, Inc.

**BlackRock MuniYield Quality Fund III, Inc. s (MYI) (the Fund )** investment objective is to provide shareholders with as high a level of current income exempt from federal income taxes as is consistent with its investment policies and prudent investment management. The Fund seeks to achieve its investment objective by investing at least 80% of its assets in municipal obligations exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax). Under normal market conditions, the Fund invests primarily in long-term municipal obligations that are investment grade quality at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

---

**Performance**


---

Effective November 9, 2010, the Fund s investment policy was changed by the removal of the insurance investment policy that required at least 80% of Fund assets to be invested in insured municipal securities. Accordingly, the Fund was moved from the Lipper Insured Municipal Debt Funds (Leveraged) category into the Lipper General Municipal Debt Funds (Leveraged) category. For the six months ended January 31, 2011, the Fund returned (11.26)% based on market price and (8.17)% based on NAV. For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of (8.46)% based on market price and (6.45)% based on NAV, while the closed-end Lipper Insured Municipal Debt Funds (Leveraged) category posted an average return of (11.13)% based on market price and (6.92)% based on NAV. All returns reflect reinvestment of dividends. The Fund s premium to NAV, which narrowed during the period, accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. The Fund s exposure to the housing and corporate sectors contributed to performance as these sectors outperformed the general municipal market. Additionally, the Fund s exposure to shorter-duration bonds and premium coupon bonds (6% or higher) benefited performance in the rising interest rate environment of the period. Conversely, the Fund s long duration stance detracted from performance, again due to the rising rate environment. In addition, the Fund s exposure to longer maturity bonds detracted as the long end of the yield curve steepened during the period.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

---

**Fund Information**


---

Symbol on NYSE	MYI
Initial Offering Date	March 27, 1992
Yield on Closing Market Price as of January 31, 2011 (\$12.17) <sup>1</sup>	7.10%
Tax Equivalent Yield <sup>2</sup>	10.92%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.072
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.864
Leverage as of January 31, 2011 <sup>4</sup>	40%

- <sup>1</sup> Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.
- <sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.
- <sup>3</sup> The distribution rate is not constant and is subject to change.
- <sup>4</sup> Represents Preferred Shares and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred Shares and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques utilized by the Fund, please see The Benefits and Risks of Leveraging on page 10.

The table below summarizes the changes in the Fund's market price and NAV per share:

	1/31/11	7/31/10	Change	High	Low
Market Price	\$ 12.17	\$ 14.17	(14.11)%	\$ 14.56	\$ 11.21
Net Asset Value	\$ 12.15	\$ 13.67	(11.12)%	\$ 14.17	\$ 11.71

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

#### Sector Allocations

	1/31/11	7/31/10
Transportation	27%	27%
County/City/Special District/School District	21	21
Utilities	18	17
Education	8	8
State	8	8
Health	7	7
Housing	6	6
Corporate	5	6

#### Credit Quality Allocations<sup>5</sup>

	1/31/11	7/31/10
AAA/Aaa	9%	46%
AA/Aa	67	29
A	19	20
BBB/Baa	5	5

<sup>5</sup> Using the higher of S&P's or Moody's ratings.

Fund Summary as of January 31, 2011

**BlackRock MuniYield Michigan Quality Fund II, Inc.****Fund Overview**

Effective November 9, 2010, BlackRock MuniYield Michigan Insured Fund II, Inc. changed its name to BlackRock MuniYield Michigan Quality Fund II, Inc.

**BlackRock MuniYield Michigan Quality Fund II, Inc. s (MYM) (the Fund )** investment objective is to provide shareholders with as high a level of current income exempt from federal and Michigan income taxes as is consistent with its investment policies and prudent investment management. The Fund seeks to achieve its investment objective by investing at least 80% of its assets in municipal obligations exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax) and Michigan income taxes. Under normal market conditions, the Fund invests primarily in long-term municipal obligations that are investment grade quality at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

**Performance**

Effective November 9, 2010, the Fund s investment policy was changed by the removal of the insurance investment policy that required at least 80% of Fund assets to be invested in insured municipal securities. Accordingly, the Fund was moved from the Lipper Single-State Insured Municipal Debt Funds category into the Lipper Michigan Municipal Debt Funds category. For the six months ended January 31, 2011, the Fund returned (10.75)% based on market price and (5.74)% based on NAV. For the same period, the closed-end Lipper Michigan Municipal Debt Funds category posted an average return of (7.46)% based on market price and (5.90)% based on NAV, while the closed-end Lipper Single-State Insured Municipal Debt Funds category posted an average return of (9.05)% based on market price and (6.44)% based on NAV. All returns reflect reinvestment of dividends. The Fund s discount to NAV, which widened during the period, accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. The Fund maintained a low average cash reserve level, which benefited total return by boosting income accrual. Increased exposure to tender option bonds to take advantage of the historically steep municipal yield curve also benefited the income accrual. In addition, the Fund s holdings in corporate-backed municipals aided performance as non-traditional investors identified the sector s attractive investment opportunities and subsequently drove up demand. Conversely, a generally negative municipal market environment hindered Fund performance. Some widening of credit spreads, especially among health care credits, also detracted from Fund performance.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

**Fund Information**

Symbol on NYSE	MYM
Initial Offering Date	February 28, 1992
Yield on Closing Market Price as of January 31, 2011 (\$11.80) <sup>1</sup>	7.27%
Tax Equivalent Yield <sup>2</sup>	11.18%



## Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

Current Monthly Distribution per Common Share <sup>3</sup>	\$0.0715
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.8580
Leverage as of January 31, 2011 <sup>4</sup>	39%

- <sup>1</sup> Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.
- <sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.
- <sup>3</sup> The distribution rate is not constant and is subject to change.
- <sup>4</sup> Represents Preferred Shares and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred Shares and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques utilized by the Fund, please see The Benefits and Risks of Leveraging on page 10.

The table below summarizes the changes in the Fund's market price and NAV per share:

	1/31/11	7/31/10	Change	High	Low
Market Price	\$ 11.80	\$ 13.67	(13.68)%	\$ 13.95	\$ 11.01
Net Asset Value	\$ 12.60	\$ 13.82	(8.83)%	\$ 14.25	\$ 12.23

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

### Sector Allocations

	1/31/11	7/31/10
County/City/Special District/School District	25%	26%
Utilities	15	12
Health	14	15
State	12	13
Corporate	12	12
Transportation	11	12
Education	8	8
Housing	3	2

### Credit Quality Allocations<sup>5</sup>

	1/31/11	7/31/10
AAA/Aaa	4%	40%
AA/Aa	65	27
A	25	28
BBB/Baa	4	2

<sup>5</sup> Using the higher of S&P's or Moody's ratings.

<sup>6</sup> The investment advisor has deemed certain of these non-rated securities to be of investment grade quality. As of January 31, 2011 and July 31, 2010, the market value of these securities was \$2,188,619, representing 1% and \$4,382,645, representing 2%, respectively, of the Fund's long-term investments.

Fund Summary as of January 31, 2011

BlackRock MuniYield New York Quality Fund, Inc.

---

**Fund Overview**


---

Effective November 9, 2010, BlackRock MuniYield New York Insured Fund, Inc. changed its name to BlackRock MuniYield New York Quality Fund, Inc.

**BlackRock MuniYield New York Quality Fund, Inc. s (MYN) (the Fund )** investment objective is to provide shareholders with as high a level of current income exempt from federal income taxes and New York State and New York City personal income taxes as is consistent with its investment policies and prudent investment management. The Fund seeks to achieve its investment objective by investing at least 80% of its assets in municipal obligations exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax) and New York State and New York City personal income taxes. Under normal market conditions, the Fund invests primarily in long-term municipal obligations that are investment grade quality at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

---

**Performance**


---

Effective November 9, 2010, the Fund s investment policy was changed by the removal of the insurance investment policy that required at least 80% of Fund assets to be invested in insured municipal securities. Accordingly, the Fund was moved from the Lipper Single-State Insured Municipal Debt Funds category into the Lipper New York Municipal Debt Funds category. For the six months ended January 31, 2011, the Fund returned (8.99)% based on market price and (6.99)% based on NAV. For the same period, the closed-end Lipper New York Municipal Debt Funds category posted an average return of (6.95)% based on market price and (5.68)% based on NAV, while the closed-end Lipper Single-State Insured Municipal Debt Funds category posted an average return of (9.05)% based on market price and (6.44)% based on NAV. All returns reflect reinvestment of dividends. The Fund s discount to NAV, which widened during the period, accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. A generally negative municipal market hindered Fund performance, and the Fund s exposure to long maturity and discount coupon bonds also detracted as the yield curve steepened and these issues underperformed the market. Additionally, Fund performance was negatively affected by exposure to lower-quality bonds, which underperformed, and to the transportation sector, which was one of the market s poorest performers. On the positive side, the Fund benefited from an above-average yield relative to its Lipper category. In addition, the Fund s holdings in corporate-backed municipals aided performance as non-traditional investors identified the sector s attractive investment opportunities and subsequently drove up demand. Finally, the Fund benefited from exposure to the housing sector, which was one of the market s better performers.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

---

**Fund Information**


---

Symbol on NYSE  
Initial Offering Date

MYN  
February 28, 1992

## Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

Yield on Closing Market Price as of January 31, 2011 (\$11.96) <sup>1</sup>	7.12%
Tax Equivalent Yield <sup>2</sup>	10.95%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.071
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.852
Leverage as of January 31, 2011 <sup>4</sup>	40%

<sup>1</sup> Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.

<sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.

<sup>3</sup> The distribution rate is not constant and is subject to change.

<sup>4</sup> Represents Preferred Shares and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred Shares and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques utilized by the Fund, please see The Benefits and Risks of Leveraging on page 10.

The table below summarizes the changes in the Fund's market price and NAV per share:

	1/31/11	7/31/10	Change	High	Low
Market Price	\$ 11.96	\$ 13.57	(11.86)%	\$ 14.40	\$ 11.60
Net Asset Value	\$ 12.51	\$ 13.89	(9.94)%	\$ 14.37	\$ 12.11

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

### Sector Allocations

	1/31/11	7/31/10
Transportation	30%	31%
County/City/Special District/School District	28	29
State	11	11
Utilities	9	10
Education	8	7
Health	6	4
Corporate	4	5
Housing	3	2
Tobacco	1	1

### Credit Quality Allocations<sup>5</sup>

Credit Rating	1/31/11	7/31/10
AAA/Aaa	15%	44%

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

AA/Aa	50	17
A	24	34
BBB/Baa	9	2
BB/Ba	2	3

---

<sup>5</sup> Using the higher of S&P's or Moody's ratings.

---

SEMI-ANNUAL REPORT

JANUARY 31, 2011

9

---

### The Benefits and Risks of Leveraging

The Funds may utilize leverage to seek to enhance the yield and NAV of their common shares of beneficial interest ( Common Shares ). However, these objectives cannot be achieved in all interest rate environments.

To leverage, all the Funds issue preferred shares ( Preferred Shares ), which pay dividends at prevailing short-term interest rates, and invest the proceeds in long-term municipal bonds. In general, the concept of leveraging is based on the premise that the financing cost of assets to be obtained from leverage, which will be based on short-term interest rates, will normally be lower than the income earned by each Fund on its longer-term portfolio investments. To the extent that the total assets of each Fund (including the assets obtained from leverage) are invested in higher-yielding portfolio investments, each Fund's holders of Common Shares ( Common Shareholders ) will benefit from the incremental net income.

To illustrate these concepts, assume a Fund's Common Shares capitalization is \$100 million and it issues Preferred Shares for an additional \$50 million, creating a total value of \$150 million available for investment in long-term municipal bonds. If prevailing short-term interest rates are 3% and long-term interest rates are 6%, the yield curve has a strongly positive slope. In this case, the Fund pays dividends on the \$50 million of Preferred Shares based on the lower short-term interest rates. At the same time, the securities purchased by the Fund with assets received from the Preferred Shares issuance earn income based on long-term interest rates. In this case, the dividends paid to holders of Preferred Shares ( Preferred Shareholders ) are significantly lower than the income earned on the Fund's long-term investments, and therefore the Common Shareholders are the beneficiaries of the incremental net income.

If short-term interest rates rise, narrowing the differential between short-term and long-term interest rates, the incremental net income pickup on the Common Shares will be reduced or eliminated completely. Furthermore, if prevailing short-term interest rates rise above long-term interest rates of 6%, the yield curve has a negative slope. In this case, the Fund pays dividends on the higher short-term interest rates whereas the Fund's total portfolio earns income based on lower long-term interest rates.

Furthermore, the value of the Funds' portfolio investments generally varies inversely with the direction of long-term interest rates, although other factors can influence the value of portfolio investments. In contrast, the redemption value of the Funds' Preferred Shares does not fluctuate in relation to interest rates. As a result, changes in interest rates can influence the Funds' NAV positively or negatively in addition to the impact on Fund performance from leverage from Preferred Shares discussed above.

The Funds may also leverage their assets through the use of TOBs, as described in Note 1 of the Notes to Financial Statements. TOB investments generally will provide the Funds with economic benefits in periods of declining short-term interest rates, but expose the Funds to risks during periods of rising short-term interest rates similar to those associated with Preferred Shares issued by the Funds, as described above. Additionally, fluctuations in the market value of municipal bonds deposited into the TOB may adversely affect each Fund's NAV per share.

The use of leverage may enhance opportunities for increased income to the Funds and Common Shareholders, but as described above, it also creates risks as short or long-term interest rates fluctuate. Leverage also will generally cause greater changes in the Funds' NAVs, market prices and dividend rates than comparable portfolios without leverage. If the income derived from securities purchased with assets received from leverage exceeds the cost of leverage, each Fund's net income will be greater than if leverage had not been used. Conversely, if the income from the securities purchased is not sufficient to cover the cost of leverage, the Fund's net income will be less than if leverage had not been used, and therefore the amount available for distribution to Common Shareholders will be reduced. Each Fund may be required to sell portfolio securities at inopportune times or at distressed values in order to comply with regulatory requirements applicable to the use of leverage or as required by the terms of leverage instruments, which may cause a Fund to incur losses. The use of leverage may limit each Fund's ability to invest in certain types of securities or use certain types of hedging strategies, such as in the case of certain restrictions imposed by ratings agencies that rate Preferred Shares issued by the Funds. Each Fund will incur expenses in connection with the use of leverage, all of which are borne by Common Shareholders and may reduce income to the Common Shares.

Under the Investment Company Act of 1940, the Funds are permitted to issue Preferred Shares in an amount of up to 50% of their total managed assets at the time of issuance. Under normal circumstances, each Fund anticipates that the total economic leverage from Preferred Shares and/or TOBs will not exceed 50% of its total managed assets at the time such leverage is incurred. As of January 31, 2011, the Funds had economic leverage from Preferred Shares and/or TOBs as a percentage of their total managed assets as follows:

---

	Percent of Leverage
MUE	42%
MCA	44%
MYI	40%
MYM	39%
MYN	40%

### Derivative Financial Instruments

The Funds may invest in various derivative instruments, including financial futures contracts, as specified in Note 2 of the Notes to Financial Statements, which may constitute forms of economic leverage. Such instruments are used to obtain exposure to a market without owning or taking physical custody of securities or to hedge market and/or interest rate risks. Such derivative instruments involve risks, including the imperfect correlation between the value of a derivative instrument and the underlying asset, possible default of the counterparty to the transaction or illiquidity of the derivative instrument. The Funds ability to successfully use a derivative instrument depends on the investment advisor's ability to accurately predict pertinent market movements, which cannot be assured. The use of derivative instruments may result in losses greater than if they had not been used, may require a Fund to sell or purchase portfolio investments at inopportune times or for distressed values, may limit the amount of appreciation a Fund can realize on an investment, may result in lower dividends paid to shareholders or may cause a Fund to hold an investment that it might otherwise sell. The Funds' investments in these instruments are discussed in detail in the Notes to Financial Statements.

Schedule of Investments January 31, 2011 (Unaudited)

**BlackRock MuniHoldings Quality Fund II, Inc. (MUE)**  
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>Alabama 3.2%</b>		
Birmingham Special Care Facilities Financing Authority, RB, Children s Hospital (AGC), 6.00%, 6/01/39	\$ 5,225	\$ 5,402,963
County of Jefferson Alabama, RB, Series A, 5.50%, 1/01/22	3,580	3,329,436
		<u>8,732,399</u>
<b>Arizona 0.4%</b>		
State of Arizona, COP, Department of Administration, Series A (AGM), 5.25%, 10/01/28	1,175	1,129,152
<b>Arkansas 4.5%</b>		
Arkansas Development Finance Authority, Refunding RB, Series C (NPFGC):		
5.35%, 12/01/11 (a)	1,050	1,102,868
5.35%, 12/01/35	11,115	10,993,624
		<u>12,096,492</u>
<b>California 17.0%</b>		
California Educational Facilities Authority, RB, University of Southern California, Series A, 5.25%, 10/01/38	5,050	5,090,804
California Health Facilities Financing Authority, Refunding RB, Sutter Health, Series B, 6.00%, 8/15/42 (b)	2,865	2,813,201
City of Sunnyvale California, Refunding RB, 5.25%, 4/01/40	2,800	2,754,612
City of Vista California, COP, Refunding, Community Projects (NPFGC), 5.00%, 5/01/37	3,375	2,876,141
County of Sacramento California, RB, Senior Series A (AGC), 5.50%, 7/01/41	3,500	3,389,400
Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32	5,000	4,699,000
Election of 2008, Series C, 5.25%, 8/01/39	2,500	2,365,925
Modesto Schools Infrastructure Financing Agency, Special Tax Bonds (AMBAC), 5.50%, 9/01/36	4,240	3,531,114

Municipal Bonds	Par (000)	Value
<b>California (concluded)</b>		



Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

Oceanside Unified School District California, GO, Series A (AGC), 5.25%, 8/01/33	\$	3,175	\$	3,175,000
Oxnard Union High School District, GO, Refunding, Election of 2004, Series A (AGM), 5.00%, 8/01/40		3,250		2,901,503
Port of Oakland, RB, Series K, AMT (NPFGC), 5.75%, 11/01/21		2,975		2,977,082
Port of Oakland, Refunding RB, Series M, AMT (NPFGC), 5.38%, 11/01/27		2,220		2,067,775
Roseville Joint Union High School District California, GO, Election of 2004, Series A (NPFGC), 5.00%, 8/01/29		2,985		2,863,242
Sacramento City Financing Authority California, RB, Capital Improvement (AMBAC), 5.00%, 12/01/27		150		141,666
San Francisco City & County Airports Commission, RB, Special Facility Lease, SFO Fuel, Series A, AMT (AGM), 6.10%, 1/01/20		1,250		1,251,675
State of California, GO, Refunding, Veterans, Series BZ, AMT (NPFGC), 5.35%, 12/01/21		1,280		1,280,013
Stockton Public Financing Authority California, RB, Redevelopment Projects, Series A (Radian), 5.25%, 9/01/34		2,430		1,780,558
				45,958,711

**Colorado 1.6%**

Colorado Health Facilities Authority, RB, Hospital, NMC Inc. Project, Series B (AGM), 6.00%, 5/15/26		3,300		3,477,903
Colorado Housing & Finance Authority, Refunding RB, S/F Program, Senior Series A-2, AMT, 7.50%, 4/01/31		135		141,078
Regional Transportation District, COP, Series A, 5.00%, 6/01/25		765		747,351
				4,366,332

**Portfolio Abbreviations**

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

<b>ACA</b>	ACA Financial Guaranty Corp.
<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>ARB</b>	Airport Revenue Bonds
<b>BHAC</b>	Berkshire Hathaway Assurance Corp.
<b>BOCES</b>	Board of Cooperative Educational Services
<b>CAB</b>	Capital Appreciation Bonds
<b>CIFG</b>	CDC IXIS Financial Guaranty
<b>COP</b>	Certificates of Participation
<b>EDA</b>	Economic Development Authority
<b>EDC</b>	Economic Development Corp.

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

<b>ERB</b>	Education Revenue Bonds
<b>FGIC</b>	Financial Guaranty Insurance Co.
<b>FHA</b>	Federal Housing Administration
<b>GAN</b>	Grant Anticipation Notes
<b>GO</b>	General Obligation Bonds
<b>HFA</b>	Housing Finance Agency
<b>HDA</b>	Housing Development Authority
<b>HRB</b>	Housing Revenue Bonds
<b>IDRB</b>	Industrial Development Revenue Bonds
<b>ISD</b>	Independent School District
<b>MRB</b>	Mortgage Revenue Bonds
<b>NPFGC</b>	National Public Finance Guarantee Corp.
<b>PILOT</b>	Payment in Lieu of Taxes
<b>PSF-GTD</b>	Permanent School Fund Guaranteed
<b>RB</b>	Revenue Bonds
<b>S/F</b>	Single-Family
<b>SONYMA</b>	State of New York Mortgage Agency
<b>VRDN</b>	Variable Rate Demand Notes

See Notes to Financial Statements.

---

SEMI-ANNUAL REPORT

JANUARY 31, 2011

11

---

## Schedule of Investments (continued)

BlackRock MuniHoldings Quality Fund II, Inc. (MUE)  
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>District of Columbia 0.8%</b>		
District of Columbia, RB, Deed Tax, Housing Production Trust Fund, Series A (NPFGC), 5.00%, 6/01/32	\$ 2,500	\$ 2,286,225
<b>Florida 18.3%</b>		
County of Miami-Dade Florida, RB: CAB, Sub-Series A (NPFGC), 5.24%, 10/01/37 (c)	905	131,632
Miami International Airport, Series A, AMT (AGM), 5.25%, 10/01/41	12,505	11,179,845
Miami International Airport, Series A, AMT (AGM), 5.50%, 10/01/41	6,700	6,223,362
Series A, AMT (AGM), 5.00%, 10/01/33 Water & Sewer System (AGM), 5.00%, 10/01/39	6,430	5,711,190
	11,010	10,309,874
County of St. John s Florida, RB, CAB (AMBAC), 5.37%, 6/01/31 (c)	710	214,250
Jacksonville Port Authority, RB, AMT (AGC), 6.00%, 11/01/38	3,625	3,643,850
Orange County School Board, COP, Series A (AGC), 5.50%, 8/01/34	12,375	11,994,469
		49,408,472
<b>Georgia 3.7%</b>		
City of Atlanta Georgia, RB, General, Series A (AGM), 5.00%, 1/01/40	2,355	2,188,596
Gwinnett County Hospital Authority, Refunding RB, Gwinnett Hospital System, Series D (AGM), 5.50%, 7/01/41	3,425	3,195,696
Metropolitan Atlanta Rapid Transit Authority, RB, Third Indenture, Series B (AGM), 5.00%, 7/01/34	4,830	4,751,223
		10,135,515
<b>Idaho 0.1%</b>		
Idaho Housing & Finance Association, RB, S/F Mortgage, Series E, AMT, 6.00%, 1/01/32	245	251,708
<b>Illinois 7.8%</b>		
Chicago Board of Education Illinois, GO, Refunding, Chicago School Reform Board, Series A (NPFGC), 5.50%, 12/01/26	2,080	2,051,733
Chicago Transit Authority, RB, Federal Transit Administration Section 5309, Series A (AGC), 6.00%, 6/01/26	3,400	3,526,412

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

City of Chicago Illinois, GO, Refunding, Projects,

Series A (AGM):

5.00%, 1/01/29	3,585	3,282,820
5.00%, 1/01/30	1,430	1,302,630
City of Chicago Illinois, RB, General, Third Lien, Series C (AGM), 5.25%, 1/01/35	2,085	1,997,305
City of Chicago Illinois, Refunding RB, Second Lien (NPFGC), 5.50%, 1/01/30	2,270	2,267,367
Railsplitter Tobacco Settlement Authority, RB:		
5.50%, 6/01/23	2,350	2,224,909
6.00%, 6/01/28	670	639,408
State of Illinois, RB, Build Illinois, Series B, 5.25%, 6/15/28	4,000	3,858,400
		21,150,984

Municipal Bonds	Par (000)	Value
<b>Indiana 3.6%</b>		
Indiana Municipal Power Agency, RB, Series A (NPFGC), 5.00%, 1/01/42	\$ 8,000	\$ 7,200,720
Indianapolis Local Public Improvement Bond Bank, Refunding RB, Waterworks Project, Series A (AGC), 5.50%, 1/01/38	2,370	2,429,463
		9,630,183
<b>Iowa 1.0%</b>		
Iowa Finance Authority, Refunding RB, Iowa Health System (AGC), 5.25%, 2/15/29	2,915	2,828,978
<b>Kansas 0.5%</b>		
Sedgwick & Shawnee Counties Kansas, MRB, Series A-2, AMT (Ginnie Mae), 6.20%, 12/01/33	1,480	1,501,682
<b>Kentucky 0.9%</b>		
Kentucky Economic Development Finance Authority, RB, Louisville Arena, Sub-Series A-1 (AGC), 6.00%, 12/01/38	1,000	1,016,490
Kentucky State Property & Buildings Commission, Refunding RB, Project No. 93 (AGC), 5.25%, 2/01/29	1,525	1,530,932
		2,547,422
<b>Louisiana 1.4%</b>		
Louisiana State Citizens Property Insurance Corp., RB, Series C-3 (AGC), 6.13%, 6/01/25	3,550	3,830,557
<b>Maine 0.7%</b>		
City of Portland Maine, RB, General (AGM), 5.25%, 1/01/35	1,920	1,884,019
<b>Michigan 11.9%</b>		
City of Detroit Michigan, RB:		

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

Second Lien, Series B (NPFGC), 5.50%, 7/01/29	4,170	3,941,275
Senior Lien, Series B (AGM), 7.50%, 7/01/33	2,500	2,895,175
City of Detroit Michigan, Refunding RB:		
Second Lien, Series C (BHAC), 5.75%, 7/01/27	2,600	2,672,462
Second Lien, Series E (BHAC), 5.75%, 7/01/31	5,060	5,080,898
Senior Lien, Series C-1 (AGM), 7.00%, 7/01/27	4,180	4,666,259
Senior Lien, Series C-2 (BHAC), 5.25%, 7/01/29	1,860	1,783,628
Kalamazoo Hospital Finance Authority, RB, Bronson Methodist Hospital (AGM), 5.25%, 5/15/36	2,000	1,835,020
Michigan State Building Authority, Refunding RB, Facilities Program, Series I (AGC):		
5.25%, 10/15/24	1,440	1,459,973
5.25%, 10/15/25	750	750,563
Michigan Strategic Fund, Refunding RB, AMT, Detroit Edison Co. (Syncora):		
Pollution, Series C, 5.65%, 9/01/29	2,935	2,868,845
Project, Series A, 5.50%, 6/01/30	750	713,123
Royal Oak Hospital Finance Authority Michigan, Refunding RB, William Beaumont Hospital, 8.25%, 9/01/39	3,115	3,468,584
		32,135,805

See Notes to Financial Statements.

## Schedule of Investments (continued)

**BlackRock MuniHoldings Quality Fund II, Inc. (MUE)**  
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>Minnesota 0.8%</b>		
City of Minneapolis Minnesota, Refunding RB, Fairview Health Services, Series B (AGC), 6.50%, 11/15/38	\$ 1,975	\$ 2,073,059
<b>Nevada 4.2%</b>		
County of Clark Nevada, RB: Las Vegas-McCarran International Airport, Series A (AGC), 5.25%, 7/01/39	5,765	5,333,202
Subordinate Lien, Series A-2 (NPFGC), 5.00%, 7/01/36	6,595	5,826,023
Nevada Housing Division, Refunding RB, S/F Mortgage, Mezzanine, Series A-2, AMT (NPFGC), 6.30%, 4/01/22	95	96,422
		<u>11,255,647</u>
<b>New Jersey 7.5%</b>		
Delaware River Port Authority, RB, Series D (AGC), 5.00%, 1/01/40	3,000	2,867,460
New Jersey EDA, RB, Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/33	11,000	10,814,540
New Jersey Health Care Facilities Financing Authority, RB, Virtua Health (AGC), 5.50%, 7/01/38	3,400	3,429,444
New Jersey Transportation Trust Fund Authority, RB, Transportation System, Series A (AGC), 5.63%, 12/15/28	2,930	3,090,681
		<u>20,202,125</u>
<b>New York 2.9%</b>		
New York City Municipal Water Finance Authority, RB: Fiscal 2009, Series EE, 5.25%, 6/15/40	4,160	4,168,112
Second General Resolution, Series EE, 5.38%, 6/15/43	1,315	1,319,405
New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-3, 5.25%, 1/15/39	2,300	2,296,596
		<u>7,784,113</u>
<b>North Carolina 0.4%</b>		
North Carolina HFA, RB, Home Ownership, Series 14A, AMT (AMBAC), 5.35%, 1/01/22	1,020	1,021,449

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

<b>Pennsylvania 1.9%</b>		
Pennsylvania Turnpike Commission, RB, Sub-Series B (AGM), 5.25%, 6/01/39	3,000	2,859,660
Pittsburgh & Allegheny County Sports & Exhibition Authority, Refunding RB, Regional Asset District Sales Tax (AGM), 5.00%, 2/01/31	2,270	2,208,460
		5,068,120

<b>Puerto Rico 1.3%</b>		
Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.38%, 8/01/39	3,500	3,584,070

<b>South Carolina 5.8%</b>		
South Carolina State Housing Finance & Development Authority, Refunding RB, Series A-2, AMT (AGM), 6.35%, 7/01/19	925	937,876
South Carolina State Public Service Authority, RB, Series A (AMBAC), 5.00%, 1/01/42	15,000	14,630,550
		15,568,426

Municipal Bonds	Par (000)	Value
<b>Texas 21.2%</b>		
City of Austin Texas, Refunding RB, Series A (AGM): 5.00%, 11/15/28	\$ 1,795	\$ 1,774,034
5.00%, 11/15/29	2,270	2,226,461
City of Dallas Texas, Refunding RB (AGC), 5.25%, 8/15/38	2,100	2,005,878
City of Houston Texas, Refunding RB, Combined, First Lien, Series A (AGC), 6.00%, 11/15/35	6,700	7,239,149
County of Bexar Texas, RB, Venue Project, Motor Vehicle Rental (BHAC), 5.00%, 8/15/39	1,805	1,673,307
Dallas Area Rapid Transit, Refunding RB, Senior Lien, 5.25%, 12/01/38	3,920	3,932,191
Harris County Health Facilities Development Corp., Refunding RB, Memorial Hermann Healthcare System, Series B, 7.25%, 12/01/35	1,000	1,073,870
Lower Colorado River Authority, Refunding RB, LCRA Transmission Services Project (AGC), 5.50%, 5/15/36	2,935	2,899,193
Lubbock Cooper ISD Texas, GO, School Building (AGC), 5.75%, 2/15/42	1,250	1,274,113
North Texas Tollway Authority, RB, System, First Tier, Series K-2 (AGC), 6.00%, 1/01/38	1,000	1,019,480
North Texas Tollway Authority, Refunding RB (NPFGC) System, First Tier: 5.75%, 1/01/40	14,750	13,861,755
Series A, 5.13%, 1/01/28	3,950	3,796,464
Series A, 5.63%, 1/01/33	10,975	10,489,027
Series B, 5.75%, 1/01/40	1,000	939,780
Tarrant County Cultural Education Facilities Finance Corp., Refunding RB, Christus Health, Series A (AGC), 6.50%, 7/01/37	3,000	3,072,390
		57,277,092

**Utah 1.4%**

City of Riverton Utah, RB, IHC Health Services Inc., 5.00%, 8/15/41	4,085	3,739,368
--	-------	-----------

**Virginia 0.9%**

Virginia Public School Authority, RB, School Financing, 6.50%, 12/01/35	2,195	2,382,365
--	-------	-----------

**Washington 1.8%**

Chelan County Public Utility District No. 1, RB, Chelan Hydro System, Series A, AMT (AMBAC), 5.45%, 7/01/37	3,840	3,481,689
---	-------	-----------

Washington Health Care Facilities Authority, Refunding RB, Providence Health, Series C (AGM), 5.25%, 10/01/33	1,330	1,282,107
---	-------	-----------

4,763,796

**Total Municipal Bonds 127.5%**

344,594,266

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

**Alabama 1.3%**

Mobile Board of Water & Sewer Commissioners, RB (NPFGC), 5.00%, 1/01/31	3,750	3,612,450
--	-------	-----------

See Notes to Financial Statements.



## Schedule of Investments (continued)

**BlackRock MuniHoldings Quality Fund II, Inc. (MUE)**  
(Percentages shown are based on Net Assets)

Municipal Bonds Transferred to Tender Option Bond Trusts (d)	Par (000)	Value
<b>California 3.8%</b>		
City of San Jose California, GO, Libraries, Parks, and Public Safety Project (NPFGC), 5.00%, 9/01/30	\$ 3,805	\$ 3,807,015
San Diego Community College District California, GO, Election of 2002 (AGM), 5.00%, 5/01/30	1,486	1,432,584
Sequoia Union High School District California, GO, Refunding, Election of 2004, Series B (AGM), 5.50%, 7/01/35	5,189	5,133,742
		<u>10,373,341</u>
<b>Colorado 3.2%</b>		
Colorado Health Facilities Authority, RB, Catholic Health, Series C-3 (AGM), 5.10%, 10/01/41	9,410	8,608,174
<b>District of Columbia 0.7%</b>		
District of Columbia Water & Sewer Authority, RB, Series A, 6.00%, 10/01/35	1,700	1,837,638
<b>Florida 8.1%</b>		
City of St. Petersburg Florida, Refunding RB (NPFGC), 5.00%, 10/01/35	6,493	5,983,345
County of Miami-Dade Florida, GO, Building Better Communities Program, Series B-1, 6.00%, 7/01/38	12,500	13,186,875
Lee County Housing Finance Authority, RB, Multi-County Program, Series A-2, AMT (Ginnie Mae), 6.00%, 9/01/40	2,535	2,652,852
		<u>21,823,072</u>
<b>Georgia 2.3%</b>		
Augusta-Richmond County Georgia, RB (AGM), 5.25%, 10/01/34	6,290	6,310,317
<b>Illinois 6.5%</b>		
Chicago Illinois O Hare International Airport Rev Ser A, 5.00%, 1/01/38	7,500	6,847,687
City of Chicago Illinois, RB, Series A (AGM), 5.00%, 1/01/33	7,500	6,847,688
City of Chicago Illinois, Refunding RB, Second Lien (AGM), 5.25%, 11/01/33	3,969	3,825,490
		<u>17,520,865</u>

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

**Kentucky 0.9%**

Kentucky State Property & Building Commission, Refunding RB, Project No. 93 (AGC), 5.25%, 2/01/27	2,304	2,343,463
---	-------	-----------

**Massachusetts 1.8%**

Massachusetts School Building Authority, RB, Series A (AGM), 5.00%, 8/15/30	4,994	4,997,889
--	-------	-----------

**Nevada 7.1%**

Clark County Water Reclamation District, GO: Limited Tax, 6.00%, 7/01/38	10,000	10,702,300
Series B, 5.50%, 7/01/29	8,247	8,476,251

19,178,551

**New Jersey 1.4%**

New Jersey State Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29	3,941	3,867,311
---	-------	-----------

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

**Par  
(000)**

**Value**

**New York 2.6%**

Sales Tax Asset Receivable Corp., RB, Series A (AMBAC), 5.25%, 10/15/27	\$ 6,751	\$ 7,009,612
--	----------	--------------

**Washington 2.7%**

City of Bellevue Washington, GO, Refunding (NPFGC), 5.50%, 12/01/39	6,883	7,231,633
--	-------	-----------

**Total Municipal Bonds Transferred to  
Tender Option Bond Trusts 42.4%**

114,714,316

**Total Long-Term Investments  
(Cost \$477,021,180) 169.9%**

459,308,582

**Short-Term Securities**

**Florida 0.4%**

Jacksonville Health Facilities Authority, Refunding RB, VRDN, Baptist Series C (Bank of America NA LLC) 0.30%, 2/01/11 (e)	1,115	1,115,000
--	-------	-----------

**Shares**

**Money Market Fund 0.2%**

FFI Institutional Tax-Exempt Fund, 0.20% (f)(g)	434,253	434,253
---	---------	---------

<b>Total Short-Term Securities</b>		
(Cost \$1,549,253) 0.6%		1,549,253
<hr/>		
<b>Total Investments (Cost \$478,570,433*)</b> 170.5%		460,857,835
<b>Other Assets Less Liabilities</b> 1.1%		2,915,644
<b>Liability for Trust Certificates, Including Interest</b>		
<b>Expense and Fees Payable</b> (23.1)%		(62,425,648)
<b>Preferred Shares, at Redemption Value</b> (48.5)%		(131,008,297)
<hr/>		
<b>Net Assets Applicable to Common Shares</b> 100.0%		\$ 270,339,534

\* The cost and unrealized appreciation (depreciation) of investments as of January 31, 2011, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$	416,362,692
Gross unrealized appreciation	\$	4,732,828
Gross unrealized depreciation		(22,620,619)
Net unrealized depreciation	\$	(17,887,791)

- (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) When-issued security. Unsettled when-issued transactions were as follows:

Counterparty	Value	Unrealized Appreciation
Morgan Stanley Co. Inc.	\$ 2,813,201	\$ 27,189

See Notes to Financial Statements.

Schedule of Investments (concluded)

BlackRock MuniHoldings Quality Fund II, Inc. (MUE)

- (c) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.
- (d) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to TOBs.
- (e) Variable rate security. Rate shown is as of report date and maturity shown is the date the principal owed can be recovered through demand.
- (f) Investments in companies considered to be an affiliate of the Fund during the period, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

Affiliate	Shares at July 31, 2010	Net Activity	Shares at January 31, 2011	Income
FFI Institutional Tax-Exempt Fund	17,366,850	(16,932,597)	434,253	\$ 9,995

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

Fair Value Measurements Various inputs are used in determining the fair value of investments, which are 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 Fund's own assumptions used in determining the fair value of investments)

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 Fund's policy regarding valuation of investments and other significant accounting policies, please refer to Note 1 of the Notes to Financial Statements.

The following table summarizes the inputs used as of January 31, 2011 in determining the fair valuation of the Fund's investments:

Valuation Inputs	Level 1	Level 2	Level 3	Total
<b>Assets:</b>				
Investments in Securities:				
Long-Term Investments <sup>1</sup>		\$ 459,308,582		\$ 459,308,582
Short-Term Securities	\$ 434,253	1,115,000		1,549,253

<b>Total</b>	\$	434,253	\$	460,423,582	\$	460,857,835
--------------	----	---------	----	-------------	----	-------------

---

<sup>1</sup> See above Schedule of Investments for values in each state or political subdivision.

See Notes to Financial Statements.

---

SEMI-ANNUAL REPORT

JANUARY 31, 2011

15

---

Schedule of Investments January 31, 2011 (Unaudited)

**BlackRock MuniYield California Quality Fund, Inc. (MCA)**  
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>California 99.0%</b>		
<b>Corporate 0.9%</b>		
City of Chula Vista California, Refunding RB, San Diego Gas & Electric, Series A, 5.88%, 2/15/34	\$ 2,435	\$ 2,495,169
University of California, RB, Limited Project, Series B (AGM), 5.00%, 5/15/33	1,760	1,693,507
		<u>4,188,676</u>
<b>County/City/Special District/ School District 48.4%</b>		
Arcadia Unified School District California, GO, Election of 2006, Series A (AGM), 5.00%, 8/01/37	7,925	7,354,796
Bay Area Governments Association, Refunding RB, California Redevelopment Agency Pool, Series A (AGM), 6.00%, 12/15/24	255	258,703
Brentwood Infrastructure Financing Authority California, Special Assessment Bonds, Refunding, Series A (AGM), 5.20%, 9/02/29	3,980	3,905,455
City & County of San Francisco California, COP, Refunding, Series A, 5.00%, 10/01/28	5,895	5,615,341
City of Riverside California, COP (AMBAC), 5.00%, 9/01/28	3,000	2,828,970
County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 6.00%, 8/01/35	2,000	2,100,960
Fairfield-Suisun Unified School District California, GO, Election of 2002 (NPFGC), 5.50%, 8/01/28	2,500	2,511,025
Fremont Unified School District Alameda County California, GO, Series A (NPFGC), 5.50%, 8/01/26	10,755	10,919,014
Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%, 6/01/26	3,295	3,297,142
Glendora Unified School District California, GO, Election of 2005, Series A (NPFGC):		
5.00%, 8/01/27	1,350	1,366,821
5.25%, 8/01/30	2,730	2,765,080
Los Angeles Community Redevelopment Agency California, RB, Bunker Hill Project, Series A (AGM), 5.00%, 12/01/27	10,000	10,016,600
Los Angeles County Metropolitan Transportation Authority, Refunding RB, Proposition A, First Tier, Senior Series A (AMBAC):		
5.00%, 7/01/27	5,240	5,301,832
5.00%, 7/01/35	6,825	6,748,833
Los Angeles Municipal Improvement Corp., Refunding RB, Real Property, Series B (AGC),	1,515	1,510,576

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

5.50%, 4/01/39 Los Angeles Unified School District California, GO, Election of 2002, Series C (AGM), 5.00%, 7/01/32	10,000	9,291,700
Los Gatos Union School District California, GO, Election of 2001, Series C (NPFGC), 5.13%, 8/01/32	1,075	1,089,029
Los Rios Community College District, GO, Election of 2008, Series A, 5.00%, 8/01/35	11,000	10,181,160
Murrieta Valley Unified School District Public Financing Authority, Special Tax Bonds, Refunding, Series A (AGC), 5.13%, 9/01/26	8,000	8,090,560

Municipal Bonds	Par (000)	Value
<b>California (continued)</b>		

**County/City/Special District/  
School District (concluded)**

Orange County Sanitation District, COP, Series A, 5.00%, 2/01/35	\$ 2,500	\$ 2,465,625
Orange County Water District, COP, Refunding, 5.25%, 8/15/34	9,045	9,064,989
Orchard School District California, GO, Election of 2001, Series A (AGC), 5.00%, 8/01/34	7,490	7,268,371
Oxnard Union High School District California, GO, Refunding, Series A (NPFGC), 6.20%, 8/01/30	9,645	9,747,719
Pittsburg Unified School District, GO, Election of 2006, Series B (AGM): 5.50%, 8/01/34	2,000	2,024,500
5.63%, 8/01/39	4,500	4,581,180
Port of Oakland, Refunding RB, Series M, AMT (NPFGC), 5.38%, 11/01/27	16,930	15,769,110
Redlands Unified School District California, GO, Election of 2008 (AGM), 5.25%, 7/01/33	5,000	4,784,000
Riverside Unified School District California, GO, Series C (AGC), 5.00%, 8/01/32	2,000	1,858,140
Sacramento Area Flood Control Agency, Special Assessment Bonds, Refunding, Consolidated, Capital Assessment District, Series A (NPFGC), 5.00%, 10/01/32	4,350	4,193,574
Saddleback Valley Unified School District California, GO (AGM), 5.00%, 8/01/29	2,565	2,522,447
San Bernardino City Unified School District California, GO, Series A (AGM), 5.00%, 8/01/28	5,000	4,994,200
San Diego Community College District California, GO, Election of 2006 (AGM), 5.00%, 8/01/32	7,115	6,941,109
San Diego County Water Authority, COP, Refunding, Series 2008-A (AGM), 5.00%, 5/01/38	4,895	4,610,258
San Jose Redevelopment Agency California, Tax Allocation Bonds, Housing Set Aside Merged Area, Series E, AMT (NPFGC), 5.85%, 8/01/27	7,300	7,303,869
San Juan Unified School District, GO, Election of 2002 (AGM), 5.00%, 8/01/34	6,475	5,931,229
San Mateo County Transportation District California, Refunding RB, Series A (NPFGC), 5.00%, 6/01/29	4,350	4,383,408
Santa Rosa High School District California, GO, Election of 2002 (NPFGC), 5.00%, 8/01/28	2,500	2,382,250

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

Snowline Joint Unified School District, COP, Refunding, Refining Project (AGC), 5.75%, 9/01/38	5,600	5,854,184
South Tahoe Joint Powers Financing Authority, RB, South Tahoe Redevelopment Project Area No. 1, Series A (AGM), 5.00%, 10/01/29	1,645	1,513,614
Ventura County Community College District, GO, Refunding, Series A (NPFGC), 5.00%, 8/01/27	3,395	3,395,000
West Contra Costa Unified School District California, GO, Election of 2002, Series B (AGM), 5.00%, 8/01/32	6,690	6,401,193
Westminster Redevelopment Agency California, Tax Allocation Bonds, Subordinate, Commercial Redevelopment Project No. 1 (AGC), 6.25%, 11/01/39	4,300	4,603,451
		217,747,017

See Notes to Financial Statements.



## Schedule of Investments (continued)

BlackRock MuniYield California Quality Fund, Inc. (MCA)  
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>California (continued)</b>		
<b>Education 7.9%</b>		
California State University, Refunding RB, Systemwide, Series C (NPFGC), 5.00%, 11/01/35	\$ 20,000	\$ 18,030,800
Riverside Community College District, GO, Election of 2004, Series C (AGM), 5.00%, 8/01/32	8,750	8,244,337
University of California, RB, Limited Project, Series D: (AGM), 5.00%, 5/15/37	2,775	2,668,829
(NPFGC), 5.00%, 5/15/37	5,500	5,289,570
(NPFGC), 5.00%, 5/15/41	1,255	1,194,798
		35,428,334
<b>Health 5.1%</b>		
ABAG Finance Authority for Nonprofit Corps, Refunding RB, Sharp Healthcare, Series A, 6.00%, 8/01/30 (a)	2,250	2,157,795
California Health Facilities Financing Authority, Refunding RB: Catholic Healthcare West, Series A, 6.00%, 7/01/34	2,130	2,131,257
Catholic Healthcare West, Series A, 6.00%, 7/01/39	5,500	5,425,860
Sutter Health, Series B, 6.00%, 8/15/42 (a)	2,800	2,749,376
California Statewide Communities Development Authority, RB, Health Facility, Memorial Health Services, Series A, 6.00%, 10/01/23	3,685	3,795,329
California Statewide Communities Development Authority, Refunding RB, Catholic Healthcare West, Series D (BHAC), 5.50%, 7/01/31	1,030	1,029,949
City of Newport Beach California, RB, Hoag Memorial Hospital Presbyterian, 6.00%, 12/01/40 (a)	1,070	1,065,474
City of Torrance California, RB, Torrance Memorial Medical Center, Series A, 5.00%, 9/01/40	5,350	4,478,003
		22,833,043
<b>Housing 0.1%</b>		
California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (Ginnie Mae): Series A, 6.35%, 12/01/29	90	91,572
Series B, 6.25%, 12/01/31	65	65,686
County of San Bernardino California, Refunding RB, Home Mortgage-Backed Securities, Series A-1,	140	142,783

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

AMT (Ginnie Mae), 6.25%, 12/01/31

300,041

**State 1.9%**

California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34

3,670 3,767,659

California State University, Refunding RB, Systemwide, Series C (NPFGC), 5.00%, 11/01/38

5,690 5,079,633

8,847,292

Municipal Bonds	Par (000)	Value
-----------------	-----------	-------

**California (continued)**

**Transportation 13.1%**

City of San Jose California, RB, Series D (NPFGC), 5.00%, 3/01/28

\$ 4,575 \$ 4,446,809

County of Orange California, RB, Series B, 5.75%, 7/01/34

5,000 5,172,950

County of Sacramento California, RB:

Senior-Series B, AMT (AGM), 5.25%, 7/01/33 Subordinated and PFC/Grant, Series C (AGC), 5.75%, 7/01/39

7,500 6,941,550

5,455 5,477,529

Los Angeles Harbor Department, RB, Series B, 5.25%, 8/01/34

5,530 5,377,261

Port of Oakland, RB, Series K, AMT (NPFGC), 5.75%, 11/01/29

11,405 10,839,426

San Francisco City & County Airports Commission, RB:

Series E, 6.00%, 5/01/39

9,650 9,933,324

Special Facility Lease, SFO Fuel, Series A, AMT (AGM), 6.10%, 1/01/20

1,000 1,001,340

Special Facility Lease, SFO Fuel, Series A AMT (AGM), 6.13%, 1/01/27

985 985,345

San Francisco City & County Airports Commission, Refunding RB, Second Series 34E, AMT (AGM):

5.75%, 5/01/24

5,000 5,186,200

5.75%, 5/01/25

3,500 3,608,325

58,970,059

**Utilities 21.6%**

City of Glendale California, RB (NPFGC), 5.00%, 2/01/32

4,380 4,145,758

City of Los Angeles California, Refunding RB, Sub-Series A, 5.00%, 6/01/32

3,000 2,926,770

City of Santa Clara California, RB, Sub-Series A (NPFGC), 5.00%, 7/01/28

5,500 5,480,750

Contra Costa Water District, Refunding RB, Series L (AGM), 5.00%, 10/01/32

4,135 4,140,624

Dublin-San Ramon Services District, Refunding RB, 6.00%, 8/01/41

4,000 4,046,160

4,000 4,001,880

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

East Bay Municipal Utility District, RB, Series A (NPFGC), 5.00%, 6/01/37		
East Bay Municipal Utility District, Refunding RB, Sub-Series A (AMBAC), 5.00%, 6/01/33	4,125	4,124,711
East Valley Water District Financing Authority, Refunding RB, 5.00%, 10/01/40	4,065	3,769,027
Fortuna Public Financing Authority, RB (AGM), 5.00%, 10/01/36	1,500	1,351,755
Los Angeles County Sanitation Districts Financing Authority, Refunding RB, Capital Project 14 (BHAC), 5.00%, 10/01/34	7,915	7,637,658
Los Angeles Department of Water & Power, RB, Power System:		
Series A-2, 5.25%, 7/01/32	1,035	1,029,680
Sub-Series A-1 (AGM), 5.00%, 7/01/37	13,525	12,914,076
Metropolitan Water District of Southern California, RB, Series B-1 (NPFGC), 5.00%, 10/01/33	7,175	7,078,711

See Notes to Financial Statements.

---

SEMI-ANNUAL REPORT

JANUARY 31, 2011

17

---

## Schedule of Investments (continued)

**BlackRock MuniYield California Quality Fund, Inc. (MCA)**  
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>California (concluded)</b>		
<b>Utilities (concluded)</b>		
Orange County Sanitation District, COP, Series B (AGM), 5.00%, 2/01/30	\$ 2,105	\$ 2,099,885
Oxnard Financing Authority, RB, Redwood Trunk Sewer & Headworks, Series A (NPFGC), 5.25%, 6/01/34	13,000	12,574,640
Sacramento Regional County Sanitation District, RB, Sacramento Regional County Sanitation (NPFGC), 5.00%, 12/01/27	7,070	7,132,075
San Diego County Water Authority, COP, Series A (AGM), 5.00%, 5/01/31	3,000	2,903,280
San Diego Public Facilities Financing Authority, Refunding RB, Series A, 5.00%, 8/01/29	2,000	1,950,520
San Francisco City & County Public Utilities Commission, RB, Series B, 5.00%, 11/01/29	3,000	2,988,930
Turlock Public Financing Authority California, RB, Series A (NPFGC), 5.00%, 9/15/33	3,000	2,855,460
Vallecitos Water District California, COP, Refunding, Series A (AGM), 5.00%, 7/01/27	2,000	1,919,840
		<u>97,072,190</u>
<b>Total Municipal Bonds 99.0%</b>		<b>445,386,652</b>
<b>Municipal Bonds Transferred to Tender Option Bond Trusts (b)</b>		
<b>California 75.4%</b>		
<b>Corporate 5.9%</b>		
San Francisco Bay Area Rapid Transit District, Refunding RB, Series A (NPFGC), 5.00%, 7/01/30	19,630	19,629,215
University of California, RB, Series L, 5.00%, 5/15/40	7,398	7,058,538
		<u>26,687,753</u>
<b>County/City/Special District/School District 40.0%</b>		
Desert Community College District California, GO, Series C (AGM), 5.00%, 8/01/37	12,150	11,165,121

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

Fremont Unified School District Alameda County California, GO, Election of 2002, Series B (AGM), 5.00%, 8/01/30	15,997	14,992,840
Lodi Unified School District California, GO, Election of 2002 (AGM), 5.00%, 8/01/29	10,260	9,864,785
Los Angeles Community College District California, GO: Election of 2001, Series A (AGM), 5.00%, 8/01/32	12,000	11,306,520
Election of 2001, Series A (NPFGC), 5.00%, 8/01/32	26,438	24,845,981
Election of 2003, Series E (AGM), 5.00%, 8/01/31	7,497	7,092,613
Election of 2008, Series A, 6.00%, 8/01/33	9,596	10,151,438
Los Angeles Unified School District California, GO, Series I, 5.00%, 1/01/34	5,000	4,585,000

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

**Par  
(000)**

**Value**

**California (continued)**

**County/City/Special District/School District (concluded)**

Ohlone Community College District, GO, Ohlone, Series B (AGM), 5.00%, 8/01/30	\$ 19,998	\$ 19,040,560
Peralta Community College District, GO, Series A (NPFGC), 5.00%, 8/01/31	24,130	22,517,151
Poway Unified School District, GO, Election of 2002, Improvement District 02, Series 1-B (AGM), 5.00%, 8/01/30	10,000	9,372,400
San Bernardino Community College District California, GO, Election of 2002, Series C (AGM), 5.00%, 8/01/31	7,550	7,045,358
San Diego County Water Authority, COP, Series A (AGM), 5.00%, 5/01/30	7,350	7,137,144
San Francisco Bay Area Transit Financing Authority, Refunding RB, Series A (NPFGC), 5.00%, 7/01/34	10,497	10,325,894
San Jose Financing Authority, Refunding RB, Civic Center Project, Series B (AMBAC), 5.00%, 6/01/32	11,400	10,421,196
		179,864,001

**Education 5.3%**

California State University, RB, Systemwide, Series A (AGM), 5.00%, 11/01/39	4,860	4,458,224
University of California, RB: Limited Project, Series D (AGM), 5.00%, 5/15/41	8,000	7,616,240
Series O, 5.75%, 5/15/34	11,190	11,877,625
		23,952,089

**Utilities 24.2%**

Anaheim Public Financing Authority California, RB, Electric System Distribution Facilities, Series A (AGM), 5.00%, 10/01/31	3,568	3,357,471
City of Napa California, RB (AMBAC), 5.00%, 5/01/35	9,070	8,640,808

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

East Bay Municipal Utility District, RB, Sub-Series A (NPFGC), 5.00%, 6/01/35	15,000	14,607,600
East Bay Municipal Utility District, Refunding RB, Sub-Series A (AMBAC), 5.00%, 6/01/37	7,990	7,931,593
Los Angeles Department of Water & Power, RB: Power System, Sub-Series A-1 (AGM), 5.00%, 7/01/31	5,007	4,845,421
Power System, Sub-Series A-1 (AMBAC), 5.00%, 7/01/37	5,029	4,802,123
System, Sub-Series A-2 (AGM), 5.00%, 7/01/35	7,500	7,193,475
Los Angeles Department of Water & Power, Refunding RB, Power System, Sub-Series A-2 (NPFGC), 5.00%, 7/01/27	16,000	16,031,840
Metropolitan Water District of Southern California, RB, Series A, 5.00%, 7/01/37	15,000	14,934,000
Rancho Water District Financing Authority, Refunding RB, Series A (AGM), 5.00%, 8/01/34	9,277	8,833,261

See Notes to Financial Statements.

## Schedule of Investments (concluded)

BlackRock MuniYield California Quality Fund, Inc. (MCA)  
(Percentages shown are based on Net Assets)

Municipal Bonds Transferred to Tender Option Bond Trusts (b)	Par (000)	Value
<b>California (concluded)</b>		
<b>Utilities (concluded)</b>		
San Diego County Water Authority, COP, Refunding, Series 2008-A (AGM), 5.00%, 5/01/33	\$ 8,510	\$ 8,221,171
San Diego County Water Authority, COP, Series A (AGM), 5.00%, 5/01/31	10,000	9,677,600
		<u>109,076,363</u>
<b>Total Municipal Bonds Transferred to Tender Option Bond Trusts 75.4%</b>		339,580,206
<b>Total Long-Term Investments (Cost \$824,394,330) 174.4%</b>		784,966,858
<b>Short-Term Securities</b>		
	<b>Shares</b>	
BIF California Municipal Money Fund, 0.04% (c)(d)	11,363,487	11,363,487
<b>Total Short-Term Securities (Cost \$11,363,487) 2.5%</b>		11,363,487
<b>Total Investments (Cost \$835,757,817*) 176.9%</b>		796,330,345
<b>Other Assets Less Liabilities 0.8%</b>		3,615,080
<b>Liability for Trust Certificates, Including Interest Expense and Fees Payable (40.7)%</b>		(183,375,204)
<b>Preferred Shares, at Redemption Value (37.0)%</b>		(166,541,739)
<b>Net Assets Applicable to Common Shares 100.0%</b>		<u>\$ 450,028,482</u>

\* The cost and unrealized appreciation (depreciation) of investments as of January 31, 2011, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 652,948,560
----------------	----------------

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

Gross unrealized appreciation	\$ 1,950,961
Gross unrealized depreciation	(41,771,597)
Net unrealized depreciation	\$ (39,820,636)

(a) When-issued security. Unsettled when-issued transactions were as follows:

Counterparty	Value	Unrealized Appreciation (Depreciation)
Citigroup Global Markets Inc.	\$ 1,683,080	\$ (35,395)
Merrill Lynch & Co.	\$ 474,715	\$ (9,983)
Morgan Stanley Co. Inc.	\$ 2,749,376	\$ 26,572
Citigroup Global Markets Inc.	\$ 1,065,474	\$ 5,853

(b) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to TOBs.

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

Affiliate	Shares Held at July 31, 2010	Net Activity	Shares Held at January 31, 2011	Income
BIF California Municipal Money Fund	39,049,939	(27,686,452)	11,363,487	\$ 2,582

(d) Represents the current yield as of report date.

For Fund compliance purposes, the Fund's sector classifications refer to any 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 Fund management. This definition may not apply for purposes of this report, which may combine such sector sub-classifications for reporting ease.

Fair Value Measurements Various inputs are used in determining the fair value of investments, which are 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 Fund's own assumptions used in determining the fair value of investments)



## Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

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 Fund's policy regarding valuation of investments and other significant accounting policies, please refer to Note 1 of the Notes to Financial Statements.

The following table summarizes the inputs used as of January 31, 2011 in determining the fair valuation of the Fund's investments:

Valuation Inputs	Level 1	Level 2	Level 3	Total
<b>Assets:</b>				
Investments in Securities:				
Long-Term Investments <sup>1</sup>		\$ 784,966,858		\$ 784,966,858
Short-Term Securities	\$ 11,363,487			11,363,487
<b>Total</b>	\$ 11,363,487	\$ 784,966,858		\$ 796,330,345

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

See Notes to Financial Statements.

SEMI-ANNUAL REPORT

JANUARY 31, 2011

19

Schedule of Investments January 31, 2011 (Unaudited)

BlackRock MuniYield Quality Fund III, Inc. (MYI)  
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>Alabama 0.5%</b>		
Birmingham Special Care Facilities Financing Authority, RB, Children s Hospital (AGC), 6.00%, 6/01/39	\$ 3,605	\$ 3,727,786
<b>Alaska 1.6%</b>		
Alaska Housing Finance Corp., RB, General Housing, Series B (NPFGC), 5.25%, 12/01/30	2,000	1,975,580
Borough of Matanuska-Susitna Alaska, RB, Goose Creek Correctional Center (AGC), 6.00%, 9/01/28	10,150	10,902,115
		12,877,695
<b>Arizona 2.8%</b>		
Downtown Phoenix Hotel Corp., RB, Senior Series A (FGIC), 5.00%, 7/01/36	21,355	16,013,260
Maricopa County & Phoenix Industrial Development Authorities, Refunding RB, S/F, Series A-2, AMT (Ginnie Mae), 5.80%, 7/01/40	2,075	2,112,786
State of Arizona, COP, Department of Administration, Series A (AGM):		
5.00%, 10/01/27	3,725	3,519,306
5.25%, 10/01/28	1,600	1,537,568
		23,182,920
<b>California 14.0%</b>		
Alameda Corridor Transportation Authority, Refunding RB, CAB, Subordinate Lien, Series A (AMBAC), 5.47%, 10/01/24 (a)	10,000	7,839,800
California Health Facilities Financing Authority, Refunding RB:		
St. Joseph Health System, Series A, 5.75%, 7/01/39	1,550	1,522,240
Sutter Health, Series B, 5.88%, 8/15/31 (b)	3,200	3,171,648
California HFA, RB, Home Mortgage, Series K, AMT, 5.50%, 2/01/42	5,170	5,248,998
California State University, RB, Systemwide, Series A (NPFGC), 5.00%, 11/01/32	9,865	9,043,936
California State University, Refunding RB, Systemwide, Series A (AGM), 5.00%, 11/01/37	3,545	3,269,979
California Statewide Communities Development Authority, RB (AGM):		
St. Joseph Health System, Series E, 5.25%, 7/01/47	9,000	8,230,950
Sutter Health, Series D, 5.05%, 8/15/38	750	684,585
	1,900	1,787,634

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

City of Redding California, COP, Refunding, Series A (AGM), 5.00%, 6/01/30		
City of San Jose California, Refunding RB, Series A, AMT (AMBAC), 5.50%, 3/01/32	11,965	10,999,424
County of Sacramento California, RB, Senior Series A (AGM), 5.00%, 7/01/41	15,000	13,411,350
Fairfield-Suisun Unified School District California, GO, Election of 2002 (NPFGC), 5.50%, 8/01/28	5,800	5,825,578
Los Angeles Community College District California, GO, Election of 2001, Series A (AGM), 5.00%, 8/01/32	1,200	1,130,652

Municipal Bonds	Par (000)	Value
<b>California (concluded)</b>		
Los Angeles Municipal Improvement Corp., RB, Series B1 (NPFGC), 4.75%, 8/01/37	\$ 14,000	\$ 11,855,620
Mendocino-Lake Community College District, GO, Election of 2006, Series A (NPFGC), 5.00%, 8/01/31	1,485	1,373,774
Norwalk-La Mirada Unified School District California, GO, Refunding, CAB, Election of 2002, Series E (AGC), 6.47%, 8/01/38 (c)	7,620	1,133,627
Oceanside Unified School District California, GO, Series A (AGC), 5.25%, 8/01/33	2,500	2,500,000
Port of Oakland, RB, Series K, AMT (NPFGC), 5.75%, 11/01/29	3,645	3,464,244
Port of Oakland, Refunding RB, Series M, AMT (NPFGC), 5.38%, 11/01/27	7,530	7,013,668
Riverside County Public Financing Authority, Tax Allocation Bonds, Redevelopment Projects (Syncora), 5.00%, 10/01/35	10,000	7,440,400
State of California, GO, Series 2007-2 (NPFGC), 5.50%, 4/01/30	10	9,768
Stockton Public Financing Authority California, RB, Parking & Capital Projects (NPFGC), 5.25%, 9/01/34	5,000	4,392,700
West Valley-Mission Community College District, GO, Election of 2004, Series A (AGM), 5.00%, 8/01/30	3,600	3,419,352
		114,769,927

<b>District of Columbia 1.1%</b>		
Metropolitan Washington Airports Authority, RB, Series B, AMT (AMBAC), 5.00%, 10/01/32	10,000	9,216,300

<b>Florida 16.6%</b>		
Broward County School Board Florida, COP, Series A (AGM), 5.25%, 7/01/33	15,000	13,900,800
City of Orlando Florida, RB, Senior, 6th Cent Contract Payments, Series A (AGC), 5.25%, 11/01/38	14,050	12,296,279
City of Tallahassee Florida, RB (NPFGC), 5.00%, 10/01/32	3,300	3,104,277
Collier County School Board, COP (AGM), 5.00%, 2/15/23	5,000	5,103,600
County of Broward Florida, RB, Series A, 5.25%, 10/01/34	2,250	2,228,760

Edgar Filing: BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC - Form N-CSRS

County of Miami-Dade Florida, GO, Building Better Communities Program:		
Series B, 6.38%, 7/01/28	6,000	6,496,080
Series B-1, 5.75%, 7/01/33	3,700	3,784,878
County of Miami-Dade Florida, RB:		
Jackson Health System (AGC), 5.75%, 6/01/39	5,200	5,211,804
Miami International Airport, AMT (NPFGC), 5.38%, 10/01/25	7,500	7,541,475
Miami International Airport, AMT (NPFGC), 5.38%, 10/01/27	1,000	989,620
County of Miami-Dade Florida, RB:		
Miami International Airport, Series A, AMT (AGM), 5.50%, 10/01/41	19,020	17,666,917
Water & Sewer System (AGM), 5.00%, 10/01/39	11,700	10,955,997

See Notes to Financial Statements.

## Schedule of Investments (continued)

**BlackRock MuniYield Quality Fund III, Inc. (MYI)**  
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>Florida (concluded)</b>		
County of Miami-Dade Florida, Refunding RB: (AGM), 5.00%, 7/01/35	\$ 2,800	\$ 2,505,916
Miami International Airport AMT (AGC), 5.00%, 10/01/40	11,000	9,483,100
Miami International Airport, Series A, AMT (AGC), 5.00%, 10/01/35	2,100	1,841,028
Series C (BHAC), 6.00%, 10/01/23	20,095	22,235,520
County of Orange Florida, Refunding RB, Series B (NPFGC), 5.13%, 1/01/32	2,000	1,936,340
Highlands County Health Facilities Authority, RB, Adventist Health System/Sunbelt, Series B, 6.00%, 11/15/37	1,750	1,784,510
Miami-Dade County School Board, COP, Refunding, Series B (AGC), 5.25%, 5/01/31	2,390	2,340,216
Sarasota County Public Hospital District, RB, Sarasota Memorial Hospital Project, Series A, 5.63%, 7/01/39	5,135	5,031,324
		136,438,441
<b>Georgia 1.8%</b>		
City of Atlanta Georgia, RB, General, Series B (AGM), 5.25%, 1/01/33	12,500	12,228,750
Gwinnett County Hospital Authority, Refunding RB, Gwinnett Hospital System, Series D (AGM), 5.50%, 7/01/41	2,275	2,122,689
		14,351,439
<b>Illinois 16.9%</b>		
Chicago Board of Education Illinois, GO, Refunding, CAB, School Reform, Series A (NPFGC), 5.39%, 12/01/22 (c)	8,230	4,100,927