

BLACKROCK MUNIYIELD INVESTMENT FUND
Form N-CSRS
April 08, 2010

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SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-CSRS

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

Investment Company Act file number 811-06502

Name of Fund: BlackRock MuniYield Investment Fund (MYF)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Anne F. Ackerley, Chief Executive Officer, BlackRock
MuniYield Investment Fund, 55 East 52nd Street, New York, NY 10055.

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

Date of fiscal year end: 07/31/2010

Date of reporting period: 01/31/2010

Item 1 Report to Stockholders

EQUITIES FIXED INCOME REAL ESTATE LIQUIDITY ALTERNATIVES BLACKROCK SOLUTIONS

Semi-Annual Report

JANUARY 31, 2010 I (UNAUDITED)

[BlackRock Muni New York Intermediate Duration Fund, Inc. \(MNE\)](#)

[BlackRock MuniYield Arizona Fund, Inc. \(MZA\)](#)

[BlackRock MuniYield California Fund, Inc. \(MYC\)](#)

[BlackRock MuniYield Investment Fund \(MYF\)](#)

[BlackRock MuniYield New Jersey Fund, Inc. \(MYJ\)](#)

NOT FDIC INSURED

MAY LOSE VALUE

NO BANK GUARANTEE

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JANUARY 31, 2010

Dear Shareholder

Over the past year, investors worldwide witnessed a seismic shift in market sentiment as guarded optimism replaced the fear and pessimism that had domi-

nated since late 2007. The single most important reason for this change was the swing from a severe economic recession to an emergent global recovery.

At the start of 2009, markets were reeling from the virtually unprecedented global financial and economic meltdown. The looming threat of further collapse in

global markets prompted stimulus packages and central bank interventions on an extraordinary scale. By period end, these actions had helped stabilize the

financial system, and the economic contraction abated.

After reaching a trough in March 2009, stocks galloped higher as the massive, coordinated global monetary and fiscal stimulus began to re-inflate world

economies. Sidelined cash poured into the markets, triggering a dramatic and steep upward rerating of stocks and other risk assets. Still, the rally has not

been without interruption, as mixed economic data, global challenges regarding sovereign credit risk and proposed fees and levies on banks had begun to

dampen investor conviction toward period end. The experience in international markets generally mirrored that seen in the United States; notably, emerging

markets firmly reclaimed their leadership status.

The easing of investor risk aversion was notable in the fixed income markets as well, where non-Treasury assets made a robust recovery. One of the major

themes over the past year was the reversal of the flight-to-quality trade. High yield finished the period as the strongest-performing fixed income sector in both

the taxable and tax-exempt space. Overall, the municipal market made a strong showing as technical conditions remained supportive of the asset class. The

Build America Bond program was deemed a success, adding \$65 billion of taxable supply to the municipal marketplace in 2009 and \$4 billion so far this

year. The program continues to alleviate tax-exempt supply pressure and attract the attention of a global audience. However, fundamental concerns are moving

to the fore in the municipal space, and bear close watching as the year progresses. At the same time, yields on money market securities declined throughout

the reporting period and remain near all-time lows, with the Federal Open Market Committee reiterating that economic circumstances are likely to necessitate

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an accommodative interest rate stance for an extended period. Investor assets in money market funds declined from the peak registered in early 2009, but

remain well above pre-crisis levels.

All told, the rebound in sentiment and global market conditions resulted in positive 6- and 12-month returns for nearly every major benchmark index, with the

most dramatic improvement seen among risk assets.

| Total Returns as of January 31, 2010 | 6-month | 12-month |
|------------------------------------------------------------------------------------|----------------|-----------------|
| US equities (S&P 500 Index) | 9.87% | 33.14% |
| Small cap US equities (Russell 2000 Index) | 8.86 | 37.82 |
| International equities (MSCI Europe, Australasia, Far East Index) | 6.93 | 39.68 |
| 3-month Treasury bill (BofA Merrill Lynch 3-Month Treasury Bill Index) | 0.10 | 0.22 |
| US Treasury securities (BofA Merrill Lynch 10-Year US Treasury Index) | 0.62 | (3.31) |
| Taxable fixed income (Barclays Capital US Aggregate Bond Index) | 3.87 | 8.51 |
| Tax-exempt fixed income (Barclays Capital Municipal Bond Index) | 4.90 | 9.49 |
| High yield bonds (Barclays Capital US Corporate High Yield 2% Issuer Capped Index) | 15.90 | 50.80 |

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

The market environment continues to improve, but questions about the strength and sustainability of the recovery abound. Through periods of market

uncertainty, BlackRock's full resources are dedicated to the management of our clients' assets. For additional market perspective and investment insight,

visit 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.

THIS PAGE NOT PART OF YOUR FUND REPORT

Fund Summary as of January 31, 2010

BlackRock Muni New York Intermediate Duration Fund, Inc.

Investment Objective

BlackRock Muni New York Intermediate Duration Fund, Inc. (MNE) (the Fund) seeks to provide shareholders with high current income exempt from federal income taxes and New York State and New York City personal income taxes by investing primarily in a portfolio of municipal obligations, the interest on which, in the opinion of bond counsel to the issuer, is exempt from federal income taxes and New York State and New York City personal income taxes.

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

Performance

For the six months ended January 31, 2010, the Fund returned 10.07% based on market price and 9.91% based on net asset value (NAV). For the same period, the closed-end Lipper Intermediate Municipal Debt Funds category posted an average return of 8.93% based on market price and 8.00% on a NAV basis. All returns reflect reinvestment of dividends. The Fund's discount to NAV, which narrowed during the period, accounts for the difference between performance based on price and performance based on NAV. During the six months, the Fund was positioned primarily on the long end of the yield curve, within its intermediate duration mandate. This positioning, along with exposure to lower-investment-grade bonds, contributed to the Fund's outperformance, as the municipal market continued to recover throughout the reporting period. Exposure to housing, health and corporate-backed municipal credits further aided returns, as credit spreads narrowed and some of the more depressed sectors showed the greatest improvement. On the other hand, the Fund's higher-coupon bonds with shorter call protection detracted from performance for the period, as their shorter duration and negative convexity caused them to lag. A below-average accrual rate was a negative factor, as well.

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) | MNE |
| Initial Offering Date | August 1, 2003 |
| Yield on Closing Market Price as of January 31, 2010 (\$12.43) ¹ | 5.36% |
| Tax Equivalent Yield ² | 8.25% |
| Current Monthly Distribution per Common Share ³ | \$0.0555 |
| Current Annualized Distribution per Common Share ³ | \$0.6660 |
| Leverage as of January 31, 2010 ⁴ | 34% |

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¹ 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.

² Tax equivalent yield assumes the maximum federal tax rate of 35%.

³ The distribution is not constant and is subject to change.

⁴ 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 9.

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

| | 1/31/10 | 7/31/09 | Change | High | Low |
|-----------------|---------|---------|--------|---------|---------|
| Market Price | \$12.43 | \$11.60 | 7.16% | \$12.88 | \$11.54 |
| Net Asset Value | \$13.90 | \$12.99 | 7.01% | \$14.27 | \$12.98 |

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

Sector Allocations

| | 1/31/10 | 7/31/09 |
|--------------------------------------------------|---------|---------|
| Health | 18% | 18% |
| Transportation | 15 | 16 |
| State | 15 | 14 |
| County/City/Special District/ School District | 14 | 17 |
| Housing | 11 | 11 |
| Corporate | 10 | 8 |
| Education | 9 | 8 |
| Utilities | 7 | 7 |
| Tobacco | 1 | 1 |

Credit Quality Allocations⁵

| | 1/31/10 | 7/31/09 |
|------------------------|---------|---------|
| AAA/Aaa | 7% | 9% |
| AA/Aa | 28 | 31 |
| A | 34 | 31 |
| BBB/Baa | 19 | 19 |
| BB/Ba | 5 | 4 |
| CCC/Caa | 2 | 2 |
| Not Rated ⁶ | 5 | 4 |

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⁵ Using the higher of Standard & Poor's (S&P) or Moody's Investors Service (Moody's) ratings.

⁶ The investment advisor has deemed certain of these non-rated securities to be of investment grade quality. As of January 31, 2010 and July 31, 2009, the market value of these securities was \$1,690,608, representing 2% and \$1,646,778, representing 2%, respectively, of the Fund's long-term investments.

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JANUARY 31, 2010

Fund Summary as of January 31, 2010

BlackRock MuniYield Arizona Fund, Inc.

Investment Objective

BlackRock MuniYield Arizona Fund, Inc. (MZA) (the Fund) seeks to provide shareholders with as high a level of current income exempt from federal and Arizona income taxes as is consistent with its investment policies and prudent investment management by investing primarily in a portfolio of long-term, investment grade municipal obligations, the interest on which, in the opinion of bond counsel to the issuer, is exempt from federal and Arizona income taxes.

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

Performance

For the six months ended January 31, 2010, the Fund returned 2.55% based on market price and 10.51% based on NAV. For the same period, the closed-end Lipper Other States Municipal Debt Funds category posted an average return of 10.04% based on market price and 8.96% on a NAV basis. 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 primary contributors to relative performance were the Fund's positive positioning with respect to the market during a period in which yields generally declined, and its exposure to the long end of the yield curve, which outperformed as the yield curve flattened. Exposure to lower-rated credits also aided results as yield spreads generally tightened during the period. Returns were hindered by the Fund's exposure to zero-coupon holdings, which generally underperformed the market as yield spreads in this sector widened.

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Fund Information

| | |
|-----------------------------------------------------------------------------|------------------|
| Symbol on NYSE Amex | MZA |
| Initial Offering Date | October 29, 1993 |
| Yield on Closing Market Price as of January 31, 2010 (\$12.78) ¹ | 6.29% |
| Tax Equivalent Yield ² | 9.68% |
| Current Monthly Distribution per Common Share ³ | \$0.067 |
| Current Annualized Distribution per Common Share ³ | \$0.804 |
| Leverage as of January 31, 2010 ⁴ | 40% |

¹ 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.

² Tax equivalent yield assumes the maximum federal tax rate of 35%.

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³ The Monthly Distribution per Share, declared on March 1, 2010, was increased to \$0.0695. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect the new distribution rate. The new distribution

rate is not constant and is subject to further change in the future.

⁴ 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 9.

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

| | 1/31/10 | 7/31/09 | Change | High | Low |
|-----------------|---------|---------|---------|---------|---------|
| Market Price | \$12.78 | \$12.85 | (0.54)% | \$13.90 | \$12.06 |
| Net Asset Value | \$13.29 | \$12.40 | 7.18% | \$13.81 | \$12.38 |

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

Sector Allocations

| | 1/31/10 | 7/31/09 |
|--------------------------------------------------|---------|---------|
| County/City/Special District/ School District | 28% | 25% |
| Utilities | 20 | 19 |
| State | 16 | 17 |
| Health | 12 | 13 |
| Education | 12 | 12 |
| Housing | 7 | 8 |
| Transportation | 5 | 5 |
| Corporate | | 1 |

Credit Quality Allocations⁵

| | 1/31/10 | 7/31/09 |
|------------------------|---------|---------|
| AAA/Aaa | 27% | 25% |
| AA/Aa | 21 | 22 |
| A | 29 | 29 |
| BBB/Baa | 17 | 19 |
| BB/Ba | 1 | 1 |
| B | 1 | 1 |
| Not Rated ⁶ | 4 | 3 |

⁵ Using the higher of S&P's or Moody's ratings.

⁶ The investment advisor has deemed certain of these non-rated securities to be of investment grade quality. As of January 31, 2010 and

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July 31, 2009, the market value of these securities was \$2,515,180, representing 3% and \$1,515,561, representing 2%, respectively, of the Fund's long-term investments.

SEMI-ANNUAL REPORT

JANUARY 31, 2010

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Fund Summary as of January 31, 2010

BlackRock MuniYield California Fund, Inc.

Investment Objective

BlackRock MuniYield California Fund, Inc. (MYC) (the Fund) seeks 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 by investing primarily in a portfolio of long-term municipal obligations, the interest on which, in the opinion of bond counsel to the issuer, is exempt from federal and California income taxes.

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

Performance

For the six months ended January 31, 2010, the Fund returned 5.73% based on market price and 8.98% based on NAV. For the same period, the closed-end Lipper California Municipal Debt Funds category posted an average return of 9.46% based on market price and 11.46% on a NAV basis. 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 Fund maintains a relatively generous degree of income accrual, which was a positive contributor. In addition, the tightening of credit quality spreads benefited the lower-rated sectors of the portfolio. Corporate-backed and health municipals were notable contributors. A fully-invested posture was additive, yet a more neutral duration stance caused the Fund to underperform its Lipper group average as rates declined in the second half of 2009. The decline in rates was partly due to supply pressure being relieved by the Build America Bond Program, which effectively shifted supply to the taxable market. The Fund's neutral duration position is a result of holding higher-quality securities, which tend to have shorter duration characteristics. The Fund's short-call, high-coupon holdings also were a detractor. While these bonds possess good defensive characteristics, they hindered total return as interest rates fell dramatically.

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Fund Information

| | |
|-----------------------------------------------------------------------------|-------------------|
| Symbol on NYSE | MYC |
| Initial Offering Date | February 28, 1992 |
| Yield on Closing Market Price as of January 31, 2010 (\$12.75) ¹ | 6.35% |
| Tax Equivalent Yield ² | 9.77% |
| Current Monthly Distribution per Common Share ³ | \$0.0675 |
| Current Annualized Distribution per Common Share ³ | \$0.8100 |

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Leverage as of January 31, 2010⁴

37%

¹ 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.

² Tax equivalent yield assumes the maximum federal tax rate of 35%.

³ The Monthly Distribution per Share, declared on March 1, 2010, was increased to \$0.0700. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect the new distribution rate. The new distribution rate is not constant and is subject to further change in the future.

⁴ 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 9.

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

| | 1/31/10 | 7/31/09 | Change | High | Low |
|-----------------|---------|---------|--------|---------|---------|
| Market Price | \$12.75 | \$12.44 | 2.49% | \$14.00 | \$12.32 |
| Net Asset Value | \$14.23 | \$13.47 | 5.64% | \$15.11 | \$13.45 |

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

Sector Allocations

| | 1/31/10 | 7/31/09 |
|--------------------------------------------------|---------|---------|
| County/City/Special District/ School District | 35% | 35% |
| Utilities | 26 | 28 |
| Education | 13 | 13 |
| Health | 11 | 9 |
| Corporate | 6 | 1 |
| State | 5 | 7 |
| Transportation | 3 | 6 |
| Housing | 1 | 1 |

Credit Quality Allocations⁵

| | 1/31/10 | 7/31/09 |
|------------------------|---------|---------|
| AAA/Aaa | 32% | 34% |
| AA/Aa | 40 | 30 |
| A | 22 | 34 |
| BBB/Baa | 5 | 1 |
| Not Rated ⁶ | 1 | 1 |

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⁵ Using the higher of S&P's or Moody's ratings.

⁶ The investment advisor has deemed certain of these non-rated securities to be of investment grade quality. As of January 31, 2010 and July 31, 2009, the market value of these securities was \$2,520,958, representing 1% and \$2,589,445, representing 1%, respectively, of the Fund's long-term investments.

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JANUARY 31, 2010

Fund Summary as of January 31, 2010

BlackRock MuniYield Investment Fund

Investment Objective

BlackRock MuniYield Investment Fund (MYF) (the Fund) seeks 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 by investing primarily in a portfolio of long-term municipal obligations, the interest on which, in the opinion of bond counsel to the issuer, is exempt from federal income taxes. The Fund also seeks to provide shareholders with the opportunity to own shares the value of which is exempt from Florida intangible personal property taxes. The Fund may invest in municipal obligations regardless of geographic location.

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

Performance

For the six months ended January 31, 2010, the Fund returned 13.27% based on market price and 9.52% based on NAV. For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of 13.14% based on market price and 12.60% on a NAV basis.

All returns reflect reinvestment of dividends. The Fund's discount to NAV, which narrowed during the period, accounts for the difference between performance based on price and performance based on NAV. The Fund held a higher concentration in health and housing bonds with maturities of 20 years and longer, which benefited performance as the municipal yield curve flattened during the last six months. Meanwhile, we continued to restructure the Fund's holdings in line with its transition from a Florida fund to a national portfolio. The process is not yet complete, however, and the greater exposure to Florida holdings which underperformed the national market detracted from recent performance.

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Fund Information

| | |
|-----------------------------------------------------------------------------|-------------------|
| Symbol on NYSE | MYF |
| Initial Offering Date | February 28, 1992 |
| Yield on Closing Market Price as of January 31, 2010 (\$12.88) ¹ | 6.10% |
| Tax Equivalent Yield ² | 9.38% |
| Current Monthly Distribution per Common Share ³ | \$0.0655 |
| Current Annualized Distribution per Common Share ³ | \$0.7860 |
| Leverage as of January 31, 2010 ⁴ | 38% |

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¹ 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.

² Tax equivalent yield assumes the maximum federal tax rate of 35%.

³ The Monthly Distribution per Share, declared on March 1, 2010, was increased to \$0.0705. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect the new distribution rate. The new distribution rate is not constant and is subject to further change in the future.

⁴ 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 9.

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

| | 1/31/10 | 7/31/09 | Change | High | Low |
|-----------------|---------|---------|--------|---------|---------|
| Market Price | \$12.88 | \$11.72 | 9.90% | \$13.37 | \$11.64 |
| Net Asset Value | \$13.76 | \$12.95 | 6.25% | \$14.41 | \$12.93 |

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

Sector Allocations

| | 1/31/10 | 7/31/09 |
|--------------------------------------------------|---------|---------|
| County/City/Special District/ School District | 24% | 29% |
| Transportation | 18 | 16 |
| Utilities | 18 | 19 |
| Health | 16 | 17 |
| State | 8 | 9 |
| Education | 7 | 5 |
| Housing | 5 | 5 |
| Corporate | 4 | |

Credit Quality Allocations⁵

| | 1/31/10 | 7/31/09 |
|------------------------|---------|---------|
| AAA/Aaa | 18% | 23% |
| AA/Aa | 47 | 39 |
| A | 29 | 34 |
| BBB/Baa | 4 | |
| Not Rated ⁶ | 2 | 4 |

⁵ Using the higher of S&P's or Moody's ratings.

⁶ The investment advisor has deemed certain of these non-rated sec-

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urities to be of investment grade quality. As of January 31, 2010 and July 31, 2009, the market value of these securities was \$5,651,318, representing 2% and \$4,309,488, representing 2%, respectively, of the Fund's long-term investments.

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JANUARY 31, 2010

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Fund Summary as of January 31, 2010

BlackRock MuniYield New Jersey Fund, Inc.

Investment Objective

BlackRock MuniYield New Jersey Fund, Inc. (MYJ) (the Fund) seeks to provide shareholders with as high a level of current income exempt from federal and New Jersey income taxes as is consistent with its investment policies and prudent investment management by investing primarily in a portfolio of long-term, investment grade municipal obligations, the interest on which, in the opinion of bond counsel to the issuer, is exempt from federal income tax and New Jersey personal income taxes.

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

Performance

For the six months ended January 31, 2010, the Fund returned 7.44% based on market price and 8.19% based on NAV. For the same period, the closed-end Lipper New Jersey Municipal Debt Funds category posted an average return of 13.70% based on market price and 10.42% on a NAV basis. 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 Fund held overweight positions in health and housing bonds with maturities of 20 years and longer, which benefited performance as the municipal yield curve flattened during the last six months. The Fund's more concentrated position in Puerto Rico securities, and its slight overweight in zero-coupon bonds, detracted from performance 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 | MYJ |
| Initial Offering Date | May 1, 1992 |
| Yield on Closing Market Price as of January 31, 2010 (\$14.07) ¹ | 6.01% |
| Tax Equivalent Yield ² | 9.25% |
| Current Monthly Distribution per Common Share ³ | \$0.0705 |
| Current Annualized Distribution per Common Share ³ | \$0.8460 |
| Leverage as of January 31, 2010 ⁴ | 34% |

¹ 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.

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² Tax equivalent yield assumes the maximum federal tax rate of 35%.

³ The distribution is not constant and is subject to change.

⁴ Represents Preferred Shares and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributa-

ble 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 9.

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

| | 1/31/10 | 7/31/09 | Change | High | Low |
|-----------------|---------|---------|--------|---------|---------|
| Market Price | \$14.07 | \$13.49 | 4.30% | \$14.76 | \$13.49 |
| Net Asset Value | \$14.84 | \$14.13 | 5.02% | \$15.47 | \$14.11 |

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

Sector Allocations

| | 1/31/10 | 7/31/09 |
|--------------------------------------------------|---------|---------|
| State | 28% | 28% |
| County/City/Special District/ School District | 14 | 16 |
| Health | 14 | 13 |
| Transportation | 12 | 12 |
| Housing | 12 | 10 |
| Education | 11 | 11 |
| Utilities | 6 | 6 |
| Corporate | 2 | 3 |
| Tobacco | 1 | 1 |

Credit Quality Allocations⁵

| | 1/31/10 | 7/31/09 |
|------------------------|---------|---------|
| AAA/Aaa | 26% | 27% |
| AA/Aa | 28 | 27 |
| A | 32 | 31 |
| BBB/Baa | 8 | 11 |
| BB/Ba | 2 | |
| Not Rated ⁶ | 4 | 4 |

⁵ Using the higher of S&P's or Moody's ratings.

⁶ The investment advisor has deemed certain of these non-rated securities to be of investment grade quality. As of January 31, 2010 and July 31, 2009, the market value of these securities was

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\$12,610,399, representing 4% and \$9,156,088, representing 3%, respectively, of the Fund's long-term investments.

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JANUARY 31, 2010

The Benefits and Risks of Leveraging

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

To leverage, the Funds issue 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 cost of assets to be obtained from leverage will be based on short-term interest rates, which normally will 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 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 the income based on long-term interest rates. In this case, the dividends paid to 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 Fund's 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 Fund's Preferred Shares does not fluctuate in relation to interest rates. As a result, changes in interest rates can influence the Fund's 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 tender option bond (TOB) programs, 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 trust may adversely affect each Fund's NAV per share.

The use of leverage may enhance opportunities for increased returns 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' NAV, market price and dividend rate than a comparable portfolio without leverage. If the income derived from securities purchased with assets received from leverage exceeds the cost of leverage, the Funds' 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 Funds' 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 its 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, 2010, the Funds had economic leverage from Preferred Shares and/or TOBs as a percentage of their total managed assets as follows:

| | Percent of Leverage |
|-----|--------------------------------|
| MNE | 34% |
| MZA | 40% |
| MYC | 37% |
| MYF | 38% |
| MYJ | 34% |

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 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. Each Fund's 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 securities at inopportune times or for distressed values, may limit the amount of appreciation a Fund can realize on an investment or may cause a Fund to hold a security that it might otherwise sell. The Funds' investments in these instruments are discussed in detail in the Notes to Financial Statements.

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Schedule of Investments January 31, 2010 (Unaudited)

BlackRock Muni New York Intermediate Duration Fund, Inc. (MNE)
 (Percentages shown are based on Net Assets)

| | Par (000) | Value |
|-------------------------------------------------------------------------------------------------------------------|--------------|------------|
| Municipal Bonds | | |
| New York 121.7% | | |
| Corporate 13.4% | | |
| Jefferson County Industrial Development Agency | | |
| New York, Refunding RB, Solid Waste, Series A, AMT, 5.20%, 12/01/20 | \$ 500 | \$ 485,850 |
| New York City Industrial Development Agency, RB, AMT: | | |
| 1990 American Airlines Inc. Project, 5.40%, 7/01/20 | 1,500 | 1,107,435 |
| British Airways Plc Project, 7.63%, 12/01/32 | 1,000 | 913,200 |
| Continental Airlines Inc. Project, 8.38%, 11/01/16 | 1,000 | 751,730 |
| New York City Industrial Development Agency, Refunding RB, Terminal One Group Association Project, AMT: | | |
| 5.50%, 1/01/18 | 1,000 | 1,026,340 |
| 5.50%, 1/01/24 | 1,000 | 1,004,460 |
| New York State Energy Research & Development Authority, RB, Lilco Project, Series A (NPFGC), 5.15%, 3/01/16 | 1,000 | 1,003,670 |
| New York State Energy Research & Development Authority, Refunding RB: | | |
| Brooklyn Union Gas/Keyspan, Series A, AMT (FGIC), 4.70%, 2/01/24 | 500 | 492,440 |
| Rochester Gas & Electric Corp., Series C (NPFGC), 5.00%, 8/01/32 | 1,000 | 1,030,310 |
| | | 7,815,435 |
| County/City/Special District/School District 18.1% | | |
| City of New York New York, GO: | | |
| Series J, 5.50%, 6/01/21 (a) | 500 | 574,945 |
| Series J (NPFGC), 5.25%, 5/15/18 | 1,500 | 1,634,250 |
| Sub-Series F-1 (Syncora), 5.00%, 9/01/22 | 1,000 | 1,057,480 |
| Sub-Series I-1, 5.50%, 4/01/21 | 1,500 | 1,694,595 |
| Sub-Series I-1, 5.13%, 4/01/25 | 750 | 806,452 |
| New York City Industrial Development Agency, RB, Queens Baseball Stadium, PILOT (AMBAC), 5.00%, 1/01/31 | 1,500 | 1,423,470 |
| New York City Industrial Development Agency, Refunding RB, New York Stock Exchange Project, | | |

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| | | |
|-----------------------------------------------------------------------------------------------------------------|-------|------------|
| Series A, 4.25%, 5/01/24 | 500 | 497,330 |
| New York City Transitional Finance Authority, RB: | | |
| Fiscal 2007, Series S-1 (NPFGC), 5.00%, 7/15/24 | 500 | 528,215 |
| Fiscal 2009, Series S-3, 5.00%, 1/15/23 | 575 | 613,876 |
| New York State Dormitory Authority, Refunding RB, Consolidated Service Contract, Series A, 4.00%, 7/01/25 | 750 | 723,983 |
| United Nations Development Corp. New York, Refunding RB, Series A, 4.25%, 7/01/24 | 1,000 | 999,970 |
| | | 10,554,566 |

Education 12.4%

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------|-----|---------|
| Dutchess County Industrial Development Agency New York, Refunding RB, Bard College Civic Facility, Series A-1, 5.00%, 8/01/22 | 750 | 756,533 |
| New York City Industrial Development Agency, RB, Lycee Francais de New York Project, Series A (ACA), 5.50%, 6/01/15 | 500 | 531,395 |

| | Par | |
|-----------------------------|--------------|--------------|
| Municipal Bonds | (000) | Value |
| New York (continued) | | |

Education (concluded)

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------|
| New York City Industrial Development Agency, Refunding RB, Polytechnic University Project (ACA), 4.70%, 11/01/22 | \$ 1,000 | \$ 893,400 |
| New York State Dormitory Authority, Mount Sinai School of Medicine, RB: 5.50%, 7/01/25 Series A (NPFGC), 5.15%, 7/01/24 | 1,000 250 | 1,042,510 254,445 |
| Schenectady County Industrial Development Agency, Refunding RB, Union College Project, 5.00%, 7/01/26 | 1,000 | 1,049,180 |
| St. Lawrence County Industrial Development Agency New York, RB, St. Lawrence University, Series A, 5.00%, 10/01/16 | 1,500 | 1,670,535 |
| Trust for Cultural Resources, RB: Carnegie Hall, Series A, 5.00%, 12/01/29 Museum of American Folk Art (ACA), 6.13%, 7/01/30 | 750 500 | 775,882 275,015 |
| | | 7,248,895 |

Health 27.3%

Dutchess County Industrial Development Agency

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| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|
| New York, RB, St. Francis Hospital, Series B, 7.25%, 3/01/19 | 355 | 357,304 |
| Erie County Industrial Development Agency, RB, Episcopal Church Home, Series A, 5.88%, 2/01/18 | 1,690 | 1,690,608 |
| Genesee County Industrial Development Agency New York, Refunding RB, United Memorial Medical Center Project, 4.75%, 12/01/14 | 335 | 333,978 |
| New York City Industrial Development Agency, RB, PSCH Inc. Project, 6.20%, 7/01/20 | 1,415 | 1,311,422 |
| New York State Dormitory Authority, RB: New York State Association for Retarded Children, Inc., Series A, 5.30%, 7/01/23 | 450 | 470,174 |
| North Shore-Long Island Jewish Health System, 5.00%, 5/01/13 | 1,500 | 1,643,640 |
| North Shore-Long Island Jewish Health System, Series A, 5.25%, 5/01/25 | 780 | 787,714 |
| NYU Hospital Center, Series B, 5.25%, 7/01/24 | 480 | 470,942 |
| Winthrop S. Nassau University, 5.50%, 7/01/11 | 1,735 | 1,789,999 |
| New York State Dormitory Authority, Refunding, RB: Lenox Hill Hospital Obligation Group, 5.75%, 7/01/17 | 1,305 | 1,287,148 |
| North Shore-Long Island Jewish Health System, Series E, 5.00%, 5/01/22 | 650 | 664,944 |
| NYU Hospital Center, Series A, 5.00%, 7/01/16 | 1,130 | 1,173,946 |
| Saratoga County Industrial Development Agency New York, Refunding RB, The Saratoga Hospital Project, Series A (Radian): 4.38%, 12/01/13 | 365 | 375,651 |
| 4.50%, 12/01/14 | 380 | 389,686 |
| Suffolk County Industrial Development Agency New York, Refunding RB, Jeffersons Ferry Project, 4.63%, 11/01/16 | 800 | 785,936 |

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: | CAB | Capital Appreciation Bonds | HRB | Housing Revenue Bonds |
| | CIFG | CDC IXIS Financial Guaranty | IDA | Industrial Development Authority |
| | COP | Certificates of Participation | IDRB | Industrial Development Revenue Bonds |
| | EDA | Economic Development Authority | LRB | Lease Revenue Bonds |
| | ERB | Education Revenue Bonds | NPFGC | National Public Finance Guarantee Corp. |

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| | | | | | |
|--------------|-----------------------------------------------------------------------|-------------|-------------------------------------------------------------------|---------------|---------------------------------------------|
| ACA | American Capital Access Corp. | FGIC | Financial Guaranty Insurance Co. | PILOT | Payment in Lieu of Taxes |
| AGC | Assured Guaranty Corp. | FSA | Financial Security Assurance Inc. Government National Mortgage | RB | Revenue Bonds |
| AGM | Assured Guaranty Municipal Corp. American Municipal Bond Assurance | GNMA | Association | S/F | Single-Family State of New York Mortgage |
| AMBAC | Corp. | GO | General Obligation Bonds | SONYMA | Agency |
| AMT | Alternative Minimum Tax (subject to) | HFA | Housing Finance Agency | | |

See Notes to Financial Statements.

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Schedule of Investments (continued)

BlackRock Muni New York Intermediate Duration Fund, Inc. (MNE)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|
| Municipal Bonds | | |
| New York (concluded) | | |
| Health (concluded) | | |
| Tompkins County Industrial Development Agency New York, Refunding RB, Continuing Care Retirement Community, Kendal at Ithaca Project, Series A-2: | | |
| 5.75%, 7/01/18 | \$ 250 | \$ 250,145 |
| 6.00%, 7/01/24 | 1,000 | 1,000,260 |
| Westchester County Industrial Development Agency New York, RB, Special Needs Facilities Pooled Program, Series D-1, 6.80%, 7/01/19 | 515 | 502,413 |
| Yonkers Industrial Development Agency New York, RB, Sacred Heart Associations Project, Series A, AMT (SONYMA), 4.80%, 10/01/26 | 750 | 697,770 |
| | | 15,983,680 |
| Housing 13.0% | | |
| New York City Housing Development Corp., RB, The Animal Medical Center, Series A, 5.50%, 12/01/33 | 1,615 | 1,617,745 |
| New York Mortgage Agency, Refunding RB, AMT: Homeowner Mortgage, Series 130, 4.75%, 10/01/30 | 2,500 | 2,381,175 |
| Series 133, 4.95%, 10/01/21 | 1,000 | 1,013,590 |
| Series 143, 4.85%, 10/01/27 | 500 | 474,905 |
| New York State Urban Development Corp., RB, Subordinate Lien, Corporate Purpose, Series A, 5.13%, 7/01/19 | 2,000 | 2,130,760 |
| | | 7,618,175 |
| State 15.1% | | |
| New York Municipal Bond Bank Agency, RB, Series C, 5.25%, 12/01/18 | 2,000 | 2,132,300 |
| New York State Dormitory Authority, ERB, Series F, 5.00%, 3/15/30 | 1,290 | 1,337,098 |
| New York State Dormitory Authority, LRB, Municipal Health Facilities, Sub-Series 2-4, 5.00%, 1/15/27 | 600 | 622,722 |
| New York State Dormitory Authority, Refunding RB, | | |

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| | | |
|-----------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| Department of Health, Series A (CIFG), 5.00%, 7/01/25 | 1,500 | 1,536,405 |
| New York State Thruway Authority, Refunding RB, Series A-1, 5.00%, 4/01/22 | 1,000 | 1,099,300 |
| New York State Urban Development Corp., RB, State Personal Income Tax, State Facilities, Series A-1 (NPFGC), 5.00%, 3/15/24 | 485 | 510,647 |
| New York State Urban Development Corp., Refunding RB, Service Contract, Series B, 5.00%, 1/01/21 | 1,500 | 1,617,435 |
| | | 8,855,907 |
| Tobacco 1.8% | | |
| Tobacco Settlement Financing Corp. New York, RB, Asset-Backed, Series B-1C, 5.50%, 6/01/22 | 1,000 | 1,059,410 |
| Transportation 11.9% | | |
| Metropolitan Transportation Authority, RB (NPFGC): Series A, 5.00%, 11/15/24 | 2,000 | 2,075,640 |
| Series B, 5.25%, 11/15/19 | 860 | 965,703 |
| Metropolitan Transportation Authority, Refunding RB: Series A (NPFGC), 5.00%, 11/15/25 | 3,000 | 3,090,420 |
| Series B, 5.25%, 11/15/25 | 750 | 822,757 |
| | | 6,954,520 |
| Utilities 8.7% | | |
| Long Island Power Authority, Refunding RB: General, Series D (NPFGC), 5.00%, 9/01/25 | 4,000 | 4,140,440 |
| Series A, 5.50%, 4/01/24 | 875 | 954,529 |
| | | 5,094,969 |
| Total Municipal Bonds in New York | | 71,185,557 |

| | Par (000) | Value |
|--------------------------------------------------------------------------------------------------------|--------------|------------|
| Municipal Bonds | | |
| Guam 4.3% | | |
| County/City/Special District/School District 0.6% | | |
| Territory of Guam, RB, Section 30, Series A, 5.38%, 12/01/24 | \$ 325 | \$ 325,345 |
| State 0.3% | | |
| Territory of Guam, GO, Series A, 6.00%, 11/15/19 | 185 | 187,882 |
| Transportation 1.7% | | |
| Guam International Airport Authority, Refunding RB, General, Series C, AMT (NPFGC), 5.25%, 10/01/22 | 1,000 | 1,000,400 |
| Utilities 1.7% | | |
| Guam Government Waterworks Authority, Refunding RB, | | |

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| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------|
| Water, 6.00%, 7/01/25 | 1,000 | 1,001,310 |
| Total Municipal Bonds in Guam | | 2,514,937 |
| Puerto Rico 17.9% | | |
| Education 0.8% | | |
| Puerto Rico Industrial Tourist Educational Medical & Environmental Control Facilities Financing Authority, RB, University Plaza Project, Series A (NPFGC), 5.00%, 7/01/33 | 500 | 463,555 |
| Housing 3.4% | | |
| Puerto Rico Housing Finance Authority, Refunding RB, Subordinate, Capital Fund Modernization, 5.13%, 12/01/27 | 2,000 | 2,001,980 |
| State 4.5% | | |
| Commonwealth of Puerto Rico, GO, Public Improvement, Series A, 5.25%, 7/01/30 (a) | 615 | 727,570 |
| Commonwealth of Puerto Rico, GO, Refunding, Public Improvement, Series A-4 (AGM), 5.25%, 7/01/30 | 350 | 360,251 |
| Puerto Rico Municipal Finance Agency, GO, Series A, 5.25%, 8/01/25 | 1,000 | 1,000,000 |
| Puerto Rico Public Buildings Authority, Refunding RB, Government Facilities, Series M-3 (NPFGC), 6.00%, 7/01/28 | 500 | 515,965 |
| | | 2,603,786 |
| Transportation 9.2% | | |
| Puerto Rico Highway & Transportation Authority, RB: Series Y (AGM), 6.25%, 7/01/21 | 3,000 | 3,330,150 |
| Subordinate (FGIC), 5.75%, 7/01/21 | 2,000 | 2,041,520 |
| | | 5,371,670 |
| Total Municipal Bonds in Puerto Rico | | 10,440,991 |
| U.S. Virgin Islands 3.4% | | |
| Corporate 1.7% | | |
| United States Virgin Islands, Refunding RB, Senior Secured, Hovensa Coker Project, AMT, 6.50%, 7/01/21 | 500 | 505,646 |
| Virgin Islands Public Finance Authority, RB, Senior Secured, Hovensa Refinery, AMT, 4.70%, 7/01/22 | 500 | 446,490 |
| | | 952,136 |
| State 1.7% | | |
| Virgin Islands Public Finance Authority, RB, Senior Lien, Matching Fund Loan Note, Series A, 5.25%, 10/01/24 | 1,000 | 1,005,680 |

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| | |
|---------------------------------------------------------|------------|
| Total Municipal Bonds in the U.S. Virgin Islands | 1,957,816 |
| Total Municipal Bonds 147.3% | 86,099,301 |

See Notes to Financial Statements.

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Schedule of Investments (concluded)

BlackRock Muni New York Intermediate Duration Fund, Inc. (MNE)

(Percentages shown are based on Net Assets)

| Municipal Bonds Transferred to Tender Option Bond Trusts (b) | Par (000) | Value |
|--------------------------------------------------------------------------------|---------------|---------------|
| New York 1.4% | | |
| County/City/Special District/School District 1.4% | | |
| City of New York, New York, GO, Sub-Series B-1, 5.25%, 9/01/22 | \$ 750 | \$ 823,672 |
| Total Municipal Bonds Transferred to Tender Option Bond Trusts 1.4% | | 823,672 |
| Total Long-Term Investments (Cost \$85,981,425) 148.7% | | 86,922,973 |
| Short-Term Securities | Shares | |
| CMA New York Municipal Money Fund, 0.00% (c)(d) | 641,113 | 641,113 |
| Total Short-Term Securities (Cost \$641,113) 1.1% | | 641,113 |
| Total Investments (Cost \$86,622,538*) 149.8% | | 87,564,086 |
| Other Assets Less Liabilities 1.6% | | 917,170 |
| Liability for Trust Certificates, Including Interest | | |
| Expense and Fees Payable (0.7)% | | (376,191) |
| Preferred Shares, at Redemption Value (50.7)% | | (29,632,983) |
| Net Assets Applicable to Common Shares 100.0% | | \$ 58,472,082 |

* The cost and unrealized appreciation (depreciation) of investments as of January 31, 2010, as computed for federal income tax purposes, were as follows:

| | |
|-------------------------------|---------------|
| Aggregate cost | \$ 86,126,913 |
| Gross unrealized appreciation | \$ 2,364,460 |
| Gross unrealized depreciation | (1,302,287) |
| Net unrealized appreciation | \$ 1,062,173 |

(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) Securities represent bonds transferred to a tender option bond trust 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 tender option bond trusts.

(c) Investments in companies considered to be an affiliate of the Fund, for purposes of

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Section 2(a)(3) of the Investment Company Act of 1940, were as follows:

| Affiliate | Net Activity | Income |
|-----------------------------------|-------------------------|---------------|
| CMA New York Municipal Money Fund | \$(1,096,728) | \$119 |

(d) 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, 2010 in determining the fair valuation of the Fund's investments:

| Valuation Inputs | Investments in Securities Assets |
|--------------------------------------------|-------------------------------------------------|
| Level 1 Short-Term Securities | \$ 641,113 |
| Level 2 Long-Term Investments ¹ | 86,922,973 |
| Level 3 | |
| Total | \$ 87,564,086 |

¹ See above Schedule of Investments for values in each sector.

See Notes to Financial Statements.

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JANUARY 31, 2010

Schedule of Investments January 31, 2010 (Unaudited)

BlackRock MuniYield Arizona Fund, Inc. (MZA)

(Percentages shown are based on Net Assets)

| Municipal Bonds | Par (000) | Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| Arizona 133.9% | | |
| County/City/Special District/School District 44.0% | | |
| City of Tucson Arizona, COP (AGC), 5.00%, 7/01/29 | \$ 1,000 | \$ 1,023,350 |
| County of Pinal Arizona, COP: | | |
| 5.00%, 12/01/26 | 1,250 | 1,240,088 |
| 5.00%, 12/01/29 | 1,250 | 1,226,788 |
| Downtown Phoenix Hotel Corp., RB: | | |
| Senior Series A (FGIC), 5.00%, 7/01/36 | 915 | 753,484 |
| Sub-Series B (NPFGC), 5.00%, 7/01/36 | 415 | 395,690 |
| Gila County Unified School District No. 10-Payson Arizona, GO, School Improvement Project of 2006, Series A (AMBAC), 5.25%, 7/01/27 (a) | 1,000 | 1,024,640 |
| Gilbert Public Facilities Municipal Property Corp. Arizona, RB, 5.50%, 7/01/27 | 2,000 | 2,155,320 |
| Gladden Farms Community Facilities District, GO, 5.50%, 7/15/31 | 750 | 578,033 |
| Greater Arizona Development Authority, RB, Santa Cruz County Jail, Series 2, 5.25%, 8/01/31 | 1,000 | 1,036,070 |
| Maricopa County Community College District, Arizona, GO, Series C, 3.00%, 7/01/22 | 1,000 | 938,870 |
| Maricopa County Elementary School District No. 3- Tempe Elementary, Arizona, GO, Refunding (NPFGC), 7.50%, 7/01/10 | 290 | 298,021 |
| Maricopa County Unified School District No. 11-Peoria Arizona, GO, School Improvement, 2nd Series (NPFGC), 5.00%, 7/01/25 | 430 | 454,411 |
| Maricopa County Unified School District No. 89-Dysart Arizona, GO, School Improvement Project of 2006, Series C, 6.00%, 7/01/28 | 1,000 | 1,109,320 |
| Mohave County Unified School District No. 20 Kingman, GO, School Improvement Project of 2006, Series C (AGC): | | |
| 5.50%, 7/01/20 | 1,150 | 1,308,953 |
| 5.00%, 7/01/26 | 1,000 | 1,063,290 |
| Phoenix Civic Improvement Corp., RB, Subordinate, | | |

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| | | |
|--------------------------------------------------------------------------------------------------------------------|-------|------------|
| Civic Plaza Expansion Project, Series A (NPFGC), 5.00%, 7/01/35 | 3,325 | 3,335,839 |
| Queen Creek Improvement District No. 1, Special Assessment Bonds, 5.00%, 1/01/32 | 2,000 | 1,771,120 |
| Scottsdale Municipal Property Corp. Arizona, RB, Water & Sewer Development Project, Series A, 5.00%, 7/01/24 | 1,500 | 1,637,700 |
| Scottsdale Municipal Property Corp. Arizona, Refunding RB, 5.00%, 7/01/26 | 1,570 | 1,767,741 |
| Vistancia Community Facilities District Arizona, GO: 6.75%, 7/15/22 | 1,275 | 1,299,161 |
| 5.75%, 7/15/24 | 750 | 730,605 |
| Yuma County Library District, GO (Syncora), 5.00%, 7/01/26 | 1,465 | 1,515,411 |
| | | 26,663,905 |

Education 19.8%

| | | |
|---------------------------------------------------------------------------------------------------------------|-------|-----------|
| Arizona State University, RB, Series 2008-C: 6.00%, 7/01/25 | 970 | 1,113,133 |
| 6.00%, 7/01/26 | 350 | 399,623 |
| 6.00%, 7/01/27 | 425 | 485,257 |
| 6.00%, 7/01/28 | 300 | 341,154 |
| Arizona Student Loan Acquisition Authority, Refunding RB, Junior Lien, Sub-Series B-1, AMT, 6.15%, 5/01/29 | 3,285 | 3,295,446 |
| Maricopa County IDA Arizona, RB, Arizona Charter Schools Project, Series A, 6.63%, 7/01/20 | 900 | 689,616 |
| Pima County IDA, RB, American Charter Schools Foundation, Series A, 5.63%, 7/01/38 | 500 | 380,500 |

| | | |
|----------------------------|--------------|--------------|
| | Par | Value |
| | (000) | |
| Municipal Bonds | | |
| Arizona (continued) | | |

Education (concluded)

| | | |
|------------------------------------------------------------------------------------------------|--------|------------|
| Pima County IDA, RB, Arizona Charter Schools Project, Series C: 6.70%, 7/01/21 | \$ 725 | \$ 696,710 |
| 6.75%, 7/01/31 | 985 | 904,319 |
| Pima County IDA, Refunding RB: Arizona Charter Schools Project, Series O, 5.00%, 7/01/26 | 1,000 | 778,730 |
| Charter Schools II, Series A, 6.75%, 7/01/21 | 575 | 554,823 |
| University of Arizona, COP, Refunding, University of | | |

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| | | |
|-------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| Arizona Projects, Series A (AMBAC), 5.13%, 6/01/29 | 905 | 916,340 |
| University of Arizona, COP, University of Arizona Projects, Series B (AMBAC), 5.00%, 6/01/28 | 1,400 | 1,411,032 |
| | | 11,966,683 |
| Health 19.2% | | |
| Arizona Health Facilities Authority, RB, Catholic Healthcare West, Series A, 6.63%, 7/01/20 | 1,435 | 1,483,130 |
| Arizona Health Facilities Authority, Refunding RB, Banner Health, Series D: 6.00%, 1/01/30 | 1,500 | 1,537,785 |
| 5.50%, 1/01/38 | 1,300 | 1,315,743 |
| Maricopa County IDA Arizona, Refunding RB: Catholic Healthcare West, Series A, 5.50%, 7/01/26 | 1,850 | 1,874,513 |
| Samaritan Health Services, Series A (NPFGC), 7.00%, 12/01/16 (b) | 1,000 | 1,224,690 |
| Scottsdale IDA Arizona, Refunding RB, Scottsdale Healthcare, Series A, 5.25%, 9/01/30 | 900 | 845,019 |
| Tucson IDA, RB, Christian Care Project, Series A (Radian), 6.13%, 7/01/24 (c) | 1,000 | 1,032,050 |
| University Medical Center Corp. Arizona, RB, 6.50%, 7/01/39 | 500 | 528,820 |
| Yavapai County IDA Arizona, RB, Yavapai Regional Medical Center, Series A, 6.00%, 8/01/33 | 1,800 | 1,803,924 |
| | | 11,645,674 |
| Housing 10.6% | | |
| Maricopa County & Phoenix Industrial Development Authorities, Refunding RB, AMT (GNMA): S/F, Series A-1, 5.75%, 5/01/40 | 965 | 1,010,114 |
| S/F, Series A-2, 5.80%, 7/01/40 | 705 | 718,606 |
| Maricopa County IDA Arizona, RB, Series 3-B, AMT (GNMA), 5.25%, 8/01/38 | 1,356 | 1,384,710 |
| Phoenix & Pima County IDA, RB, Series 1A, AMT (GNMA), 5.65%, 7/01/39 | 580 | 604,772 |
| Phoenix & Pima County IDA, Refunding RB, Series 2007-1, AMT (GNMA), 5.25%, 8/01/38 | 1,326 | 1,377,601 |
| Phoenix IDA Arizona, Refunding RB, Series 2007-2, AMT (GNMA), 5.50%, 8/01/38 | 1,280 | 1,340,112 |
| | | 6,435,915 |
| State 17.0% | | |
| Arizona School Facilities Board, COP: | | |

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| | | |
|-------------------------------------------------------------------------------------------------|-------|------------|
| 5.13%, 9/01/21 | 1,000 | 1,075,790 |
| 5.75%, 9/01/22 | 2,000 | 2,221,960 |
| Arizona Sports & Tourism Authority, RB, Baseball Training Facilities Project, 5.00%, 7/01/16 | 1,000 | 1,017,880 |
| Arizona State Transportation Board, RB, Series B, 5.00%, 7/01/30 | 4,000 | 4,268,760 |
| Greater Arizona Development Authority, RB, Series B (NPFGC), 5.00%, 8/01/30 | 1,700 | 1,733,558 |
| | | 10,317,948 |

See Notes to Financial Statements.

SEMI-ANNUAL REPORT

JANUARY 31, 2010

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Schedule of Investments (continued)

BlackRock MuniYield Arizona Fund, Inc. (MZA)

(Percentages shown are based on Net Assets)

| Municipal Bonds | Par (000) | Value |
|--------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|
| Arizona (concluded) | | |
| Transportation 4.4% | | |
| Phoenix Civic Improvement Corp., RB, Senior Lien: | | |
| Series A, 5.00%, 7/01/33 | \$ 1,000 | \$ 1,008,170 |
| Series B, AMT (NPFGC), 5.75%, 7/01/17 | 1,000 | 1,041,630 |
| Series B, AMT (NPFGC), 5.25%, 7/01/32 | 600 | 592,188 |
| | | 2,641,988 |
| Utilities 18.9% | | |
| City of Mesa Arizona, RB (NPFGC), 5.00%, 7/01/23 | 1,500 | 1,647,195 |
| Gilbert Water Resource Municipal Property Corp., RB, Subordinate Lien (NPFGC), 5.00%, 10/01/29 | 900 | 925,929 |
| Phoenix Civic Improvement Corp., RB: | | |
| Junior Lien (NPFGC), 5.50%, 7/01/20 | 2,500 | 2,708,000 |
| Senior Lien, 5.50%, 7/01/22 | 2,000 | 2,263,820 |
| Pinal County IDA Arizona, RB, San Manuel Facility Project, AMT, 6.25%, 6/01/26 | 500 | 423,735 |
| Salt River Project Agricultural Improvement & Power District, RB, Series A, 5.00% 1/01/24 | 1,000 | 1,086,390 |
| Salt River Project Agricultural Improvement & Power District, Refunding RB, Salt River Project, Series A, 5.00%, 1/01/35 | 1,500 | 1,540,125 |
| Salt Verde Financial Corp., RB, Senior, 5.00%, 12/01/37 | 1,000 | 851,080 |
| | | 11,446,274 |
| Total Municipal Bonds in Arizona | | 81,118,387 |
| Guam 1.6% | | |
| Utilities 1.6% | | |
| Guam Government Waterworks Authority, Refunding RB, Water, 5.88%, 7/01/35 | 1,000 | 970,060 |
| Total Municipal Bonds in Guam | | 970,060 |
| Puerto Rico 19.6% | | |
| County/City/Special District/School District 1.2% | | |
| Puerto Rico Sales Tax Financing Corp., Refunding RB, CAB, Series A (NPFGC), 5.76%, 8/01/41 (d) | 5,000 | 743,200 |
| State 8.5% | | |
| Commonwealth of Puerto Rico, GO: | | |

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| | | |
|-----------------------------------------------------------------------------------------------|-------|-----------|
| Public Improvement, Series A, 5.13%, 7/01/31 | 75 | 70,228 |
| Series A, 6.00%, 7/01/38 | 800 | 812,624 |
| Puerto Rico Public Buildings Authority, RB, Government Facilities, Series I, 5.25% 7/01/33 | 800 | 745,920 |
| Puerto Rico Public Buildings Authority, RB, Government Facilities: | | |
| Series M-3 (NPFGC), 6.00%, 7/01/28 | 900 | 928,737 |
| Series N, 5.50%, 7/01/27 | 1,000 | 998,840 |
| Puerto Rico Sales Tax Financing Corp., RB, 1st Sub-Series A, 6.38%, 8/01/39 | 1,500 | 1,596,150 |
| | | 5,152,499 |

Transportation 2.9%

| | | |
|------------------------------------------------------------------|-----|-----------|
| Puerto Rico Highway & Transportation Authority, Refunding RB: | | |
| Series AA (NPFGC), 5.50%, 7/01/18 | 900 | 949,248 |
| Series CC, 5.50%, 7/01/31 | 790 | 776,309 |
| | | 1,725,557 |

| | Par (000) | Value |
|--|--------------|-------|
|--|--------------|-------|

Municipal Bonds

Puerto Rico (concluded)

Utilities 7.0%

| | | |
|-----------------------------------------------------------------------------------------------|----------|--------------|
| Puerto Rico Aqueduct & Sewer Authority, RB, Senior Lien, Series A (Radian), 6.00%, 7/01/44 | \$ 2,180 | \$ 2,202,825 |
| Puerto Rico Electric Power Authority, RB, Series WW 5.38%, 7/01/24 | 1,000 | 1,032,420 |
| Puerto Rico Electric Power Authority, 5.50%, 7/01/38 | 1,000 | 1,007,990 |
| | | 4,243,235 |

Total Municipal Bonds in Puerto Rico 11,864,491

Total Municipal Bonds 155.1% 93,952,938

Municipal Bonds Transferred to

Tender Option Bond Trusts (e)

Arizona 5.1%

Utilities 5.1%

| | | |
|-------------------------------------------------------------------------------|-------|-----------|
| Phoenix Civic Improvement Corp., RB, Junior Lien, Series A, 5.00%, 7/01/34 | 3,000 | 3,100,080 |
|-------------------------------------------------------------------------------|-------|-----------|

**Total Municipal Bonds Transferred to
Tender Option Bond Trusts 5.1%** 3,100,080

Total Long-Term Investments

(Cost \$96,632,344) 160.2% 97,053,018

Short-Term Securities **Shares**

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| | | |
|-------------------------------------------------------------|-----------|---------------|
| CMA Arizona Municipal Money Fund, 0.00% (f)(g) | 2,403,565 | 2,403,565 |
| Total Short-Term Securities | | |
| (Cost \$2,403,565) 4.0% | | 2,403,565 |
| Total Investments (Cost \$99,035,909*) 164.2% | | 99,456,583 |
| Other Assets Less Liabilities 2.3% | | 1,421,443 |
| Liability for Trust Certificates, Including Interest | | |
| Expense and Fees Payable (2.4)% | | (1,500,000) |
| Preferred Shares, at Redemption Value (64.1)% | | (38,803,971) |
| Net Assets Applicable to Common Shares 100.0% | | \$ 60,574,055 |

* The cost and unrealized appreciation (depreciation) of investments as of January 31, 2010, as computed for federal income tax purposes, were as follows:

| | |
|-------------------------------|---------------|
| Aggregate cost | \$ 97,566,060 |
| Gross unrealized appreciation | \$ 2,641,352 |
| Gross unrealized depreciation | (2,250,829) |
| Net unrealized appreciation | \$ 390,523 |

- (a) Represents a step-up bond that pays an initial coupon rate for the first period and then a higher coupon rate for the following periods. Rate shown is as of report date.
- (b) Security is collateralized by Municipal or US Treasury Obligations.
- (c) 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.
- (d) Represents a zero-coupon bon. Rate shown reflects current yield as of report date.

See Notes to Financial Statements.

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JANUARY 31, 2010

Schedule of Investments (concluded) BlackRock MuniYield Arizona Fund, Inc. (MZA)

(e) Securities represent bonds transferred to a tender option bond trust 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 tender option bond trusts.

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

| Affiliate | Net Activity | Income |
|----------------------------------|-----------------|--------|
| CMA Arizona Municipal Money Fund | \$(1,783,606) | |

(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, 2010 in determining the fair valuation of the Fund's investments:

| Valuation Inputs | Investments in Securities Assets |
|--------------------------------------------|----------------------------------------|
| Level 1 Short-Term Securities | \$ 2,403,565 |
| Level 2 Long-Term Investments ¹ | 97,053,018 |
| Level 3 | |
| Total | \$ 99,456,583 |

¹ See above Schedule of Investments for values in each sector.

See Notes to Financial Statements.

SEMI-ANNUAL REPORT

JANUARY 31, 2010

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Schedule of Investments January 31, 2010 (Unaudited)

BlackRock MuniYield California Fund, Inc. (MYC)

(Percentages shown are based on Net Assets)

| Municipal Bonds | Par (000) | Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|
| California 108.8% | | |
| Corporate 1.5% | | |
| California Pollution Control Financing Authority, RB, Waste Management, Inc. Project, Series C, AMT, 6.75%, 12/01/27 | \$ 3,300 | \$ 3,412,464 |
| City of Chula Vista California, Refunding RB, San Diego Gas & Electric, Series A, 5.88%, 2/15/34 | 975 | 1,067,674 4,480,138 |
| County/City/Special District/School District 38.9% | | |
| Arcata Joint Powers Financing Authority California, Tax Allocation Bonds, Refunding, Community Development Project Loan, Series A (AMBAC), 6.00%, 8/01/23 | 2,520 | 2,520,958 |
| California State Department of Water Resources, Refunding RB, Water System, Series AF, 5.00%, 12/01/29 | 2,500 | 2,661,475 |
| City of Los Angeles California, COP, Senior, Sonnenblick Del Rio West Los Angeles (AMBAC), 6.20%, 11/01/31 | 2,000 | 2,039,340 |
| City of Los Angeles California, Refunding RB, Series A, 5.00%, 6/01/39 | 9,870 | 10,061,182 |
| El Monte Union High School District California, GO, Election 2002, Series C (AGM), 5.25%, 6/01/32 | 10,120 | 10,310,863 |
| Fontana Unified School District California, GO, Series A (AGM), 5.25%, 8/01/28 | 7,000 | 7,171,780 |
| Hayward Unified School District California, GO, Election 2008, 5.25%, 8/01/29 | 5,395 | 5,526,260 |
| Los Angeles Municipal Improvement Corp., RB, Real Property, Series E, 6.00%, 9/01/34 | 1,800 | 1,860,840 |
| Marin Community College District, GO, Election of 2004, Series A (NPFGC), 5.00%, 8/01/28 | 5,885 | 6,053,076 |
| Modesto Irrigation District, COP, Series B, 5.50%, 7/01/35 | 3,300 | 3,456,024 |
| Morgan Hill Unified School District California, GO, CAB (FGIC), 5.06%, 8/01/26 (a)(b) | 7,570 | 3,738,747 |
| Murrieta Valley Unified School District Public Financing | | |

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| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|
| Authority, Special Tax Bonds, Refunding, Series A (AGC), 5.13%, 9/01/26 | 6,675 | 7,011,220 |
| Oak Grove School District California, GO, Election 2008, Series A, 5.50%, 8/01/33 | 4,000 | 4,236,760 |
| Orange County Sanitation District, COP (NPFGC), 5.00%, 2/01/33 | 5,250 | 5,356,417 |
| Pico Rivera Public Financing Authority, RB: 5.50%, 9/01/31 | 1,500 | 1,530,165 |
| 5.75%, 9/01/39 | 4,365 | 4,448,502 |
| Pittsburg Redevelopment Agency, Tax Allocation Bonds, Refunding, Subordinate, Los Medanos Community Project, Series A, 6.50%, 9/01/28 | 2,500 | 2,729,925 |
| San Diego Regional Building Authority California, RB, County Operations Center & Annex, Series A, 5.38%, 2/01/36 | 3,200 | 3,314,304 |
| San Francisco Bay Area Transit Financing Authority, Refunding RB, Series A (NPFGC), 5.00%, 7/01/34 | 5,430 | 5,475,938 |
| San Jose Evergreen Community College District California, GO, Refunding, CAB, Election 2004, Series A (NPFGC), 5.12%, 9/01/23 (b) | 10,005 | 4,925,862 |
| San Juan Unified School District California, GO, Election of 2002 (NPFGC), 5.00%, 8/01/28 | 5,000 | 5,030,300 |
| Santa Cruz County Redevelopment Agency California, Tax Allocation Bonds, Live Oak/Soquel Community Improvement, Series A: 6.63%, 9/01/29 | 1,000 | 1,072,890 |
| 7.00%, 9/01/36 | 500 | 539,045 |
| Twin Rivers Unified School District, GO, Election of 2006 (AGM), 5.00%, 8/01/29 | 9,390 | 9,571,884 |

| Municipal Bonds | Par (000) | Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|
| California (continued) | | |
| County/City/Special District/School District (concluded) | | |
| Vacaville Unified School District California, GO, Election 2001 (NPFGC), 5.00%, 8/01/30 | \$ 4,745 | \$ 4,763,078 |
| Ventura Unified School District California, GO, 1997 Election, Series H (AGM), 5.13%, 8/01/34 | 1,000 | 1,013,430 |
| Westminster Redevelopment Agency California, Tax Allocation Bonds, Subordinate, Commercial Redevelopment Project No. 1 (AGC), 6.25%, 11/01/39 | 1,250 | 1,403,963 |

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117,824,228

Education 8.3%

| | | |
|-------------------------------------------------------------------------------------------------------------|-------|------------|
| California Educational Facilities Authority, RB, Pitzer College, 6.00%, 4/01/40 | 2,500 | 2,596,175 |
| California State Enterprise Development Authority, Refunding RB, The Thacher School Project, 5.13%, 9/01/39 | 6,965 | 6,935,190 |
| California State University, RB, Systemwide, Series A: 5.25%, 11/01/34 | 1,500 | 1,528,515 |
| 5.50%, 11/01/39 | 2,725 | 2,781,816 |
| University of California, RB: Limited Project, Series D (NPFGC), 5.00%, 5/15/32 | 2,500 | 2,511,950 |
| Series L, 5.00%, 5/15/36 | 8,500 | 8,708,080 |
| | | 25,061,726 |

Health 17.5%

| | | |
|----------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| ABAG Finance Authority for Nonprofit Corps, Refunding RB, Sharp Healthcare, 6.38%, 8/01/34 | 1,750 | 1,831,655 |
| California Health Facilities Financing Authority, Refunding RB: Catholic Healthcare West, Series A, 6.00%, 7/01/39 | 10,000 | 10,430,500 |
| Catholic Healthcare West, Series E, 5.63%, 7/01/25 | 6,000 | 6,210,360 |
| Scripps Health, Series A, 5.00%, 11/15/36 (c) | 8,800 | 8,484,784 |
| St. Joseph Health System, Series A, 5.50%, 7/01/29 | 2,000 | 2,063,700 |
| California Statewide Communities Development Authority, RB: Health Facility, Memorial Health Services, Series A, 6.00%, 10/01/23 | 3,270 | 3,389,780 |
| Health Facility, Memorial Health Services, Series A, 5.50%, 10/01/33 | 3,000 | 3,014,460 |
| St. Joseph Health System, Series C (FGIC), 5.75%, 7/01/47 | 7,525 | 7,692,281 |
| California Statewide Communities Development Authority, Refunding RB: Catholic Healthcare West, Series D, 5.50%, 7/01/31 | 5,055 | 5,054,747 |
| California Statewide Communities Development Authority, Senior Living, Southern California: 6.25%, 11/15/19 | 500 | 530,425 |
| 6.63%, 11/15/24 | 650 | 680,173 |
| 7.00%, 11/15/29 | 500 | 527,100 |
| 7.25%, 11/15/41 | 1,750 | 1,855,473 |
| City of Torrance California, Refunding RB, Torrance | | |

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| | | |
|------------------------------------------------------|-------|------------|
| Memorial Medical Center, Series A, 6.00%, 6/01/22 | 1,310 | 1,346,470 |
| | | 53,111,908 |
| | | |
| Housing 1.2% | | |
| California Rural Home Mortgage Finance Authority, | | |
| RB, AMT: | | |
| Mortgage-Backed Securities Program, Series B | | |
| (GNMA), 6.15%, 6/01/20 | 25 | 25,483 |
| Sub-Series FH-1, , 5.50%, 8/01/47 | 415 | 230,914 |
| | | |
| Santa Clara County Housing Authority California, RB, | | |
| John Burns Gardens Apartments Project, Series A, | | |
| AMT, 6.00%, 8/01/41 | 3,500 | 3,503,780 |
| | | 3,760,177 |

See Notes to Financial Statements.

16 SEMI-ANNUAL REPORT

JANUARY 31, 2010

Schedule of Investments (continued)

BlackRock MuniYield California Fund, Inc. (MYC)

(Percentages shown are based on Net Assets)

| Municipal Bonds | Par (000) | Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| California (concluded) | | |
| State 6.1% | | |
| California State Public Works Board, RB: | | |
| Department of Developmental Services, Porterville, Series C, 6.25%, 4/01/34 | \$ 1,100 | \$ 1,107,502 |
| Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34 | 10,000 | 10,248,500 |
| Various Capital Projects, Sub-Series I-1, 6.38%, 11/01/34 | 1,850 | 1,880,655 |
| State of California, GO, Various Purpose, 6.50%, 4/01/33 | 5,000 | 5,341,050 |
| | | 18,577,707 |
| Transportation 4.7% | | |
| County of Orange California, RB, Series B, 5.75%, 7/01/34 | 3,000 | 3,243,120 |
| County of Sacramento California, RB, Senior, Series B, 5.75%, 7/01/39 | 900 | 957,978 |
| San Francisco City & County Airports Commission, RB, Series E, 6.00%, 5/01/39 | 4,825 | 5,167,527 |
| San Francisco Port Commission California, RB, Series A, 5.13%, 3/01/40 (c) | 5,000 | 4,861,550 |
| | | 14,230,175 |
| Utilities 30.6% | | |
| California Infrastructure & Economic Development Bank, RB, California Independent System Operator, Series A, 6.25%, 2/01/39 | 2,170 | 2,264,438 |
| California State Department of Water Resources, Refunding RB, Central Valley Project, Series AE, 5.00%, 12/01/28 | 6,000 | 6,412,800 |
| California Statewide Communities Development Authority, RB, Pooled Financing Program, Series C, City of West Sacramento (AGM), 5.25%, 10/01/28 | 2,380 | 2,418,699 |
| City of Chula Vista California, Refunding RB, San Diego Gas & Electric, Series D, 5.88%, 1/01/34 | 2,500 | 2,737,625 |
| Eastern Municipal Water District California, COP, | | |

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| | | |
|--------------------------------------------------------------------------------------------------------------------------|--------|--------------------|
| Series H, 5.00%, 7/01/35 | 7,540 | 7,560,283 |
| Los Angeles Department of Water & Power, RB: | | |
| Power System, Sub-Series A-1 (AMBAC), 5.00%, 7/01/37 | 15,100 | 15,257,946 |
| Power System, Sub-Series A-2 (AGM), 5.00%, 7/01/35 | 7,500 | 7,635,675 |
| Metropolitan Water District of Southern California, RB: | | |
| Series A, 5.00%, 7/01/32 | 1,240 | 1,292,216 |
| Series A (AGM), 5.00%, 7/01/30 | 1,000 | 1,033,990 |
| Series C, 5.00%, 7/01/35 | 7,085 | 7,292,378 |
| Metropolitan Water District of Southern California, Refunding RB: | | |
| Series B, 5.00%, 7/01/35 | 2,625 | 2,701,834 |
| Series C, 5.00%, 7/01/31 | 1,750 | 1,832,968 |
| Oxnard Financing Authority, RB, Redwood Trunk Sewer & Headworks, Series A (NPFGC), 5.25%, 6/01/34 | | |
| | 4,160 | 4,172,480 |
| Sacramento Municipal Utility District, RB, Cosumnes Project (NPFGC), 5.13%, 7/01/29 | | |
| | 18,500 | 18,153,495 |
| Sacramento Regional County Sanitation District, Refunding RB, County Sanitation District 1 (NPFGC), 5.00%, 8/01/35 | | |
| | 5,425 | 5,474,313 |
| San Diego Public Facilities Financing Authority, Refunding RB, Senior Series A, 5.38%, 5/15/34 | | |
| | 1,900 | 1,992,625 |
| San Francisco City & County Public Utilities Commission, Refunding RB, Series A, 5.13%, 11/01/39 | | |
| | 2,295 | 2,363,207 |
| Western Municipal Water District Facilities Authority, RB, Series B, 5.00%, 10/01/39 | | |
| | 2,000 | 2,010,540 |
| | | 92,607,512 |
| Total Municipal Bonds in California | | 329,653,571 |

| | Par | |
|---------------------------------------------------------------------------------------------|----------|--------------------|
| Municipal Bonds | (000) | Value |
| Puerto Rico 3.3% | | |
| County/City/Special District/School District 1.8% | | |
| Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.50%, 8/01/44 | | |
| | \$ 5,000 | \$ 5,335,800 |
| State 1.5% | | |
| Commonwealth of Puerto Rico, GO, Refunding, Public Improvement, Series B, 6.50%, 7/01/37 | | |
| | 4,230 | 4,461,212 |
| Total Municipal Bonds in Puerto Rico | | 9,797,012 |
| Total Municipal Bonds 112.1% | | 339,450,583 |

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Municipal Bonds Transferred to

Tender Option Bond Trusts (d)

California 44.8%

Corporate 8.7%

| | | |
|----------------------------------------------------------------------------------------------------|--------|------------|
| University of California, RB, Limited Project, Series B (AGM), 5.00%, 5/15/33 | 8,488 | 8,503,979 |
| University of California, RB, Series L, 5.00%, 5/15/40 | 11,597 | 11,830,452 |
| San Francisco Bay Area Transit Financing Authority, Refunding RB, Series A (NPFGC), 5.00%, 7/01/30 | 6,000 | 6,136,920 |
| | | 26,471,351 |

County/City/Special District/School District 14.5%

| | | |
|-------------------------------------------------------------------------------------------------------------------|--------|------------|
| Contra Costa Community College District California, GO, Election of 2002 (FSA), 5.00%, 8/01/30 | 10,215 | 10,400,207 |
| Fremont Unified School District, Alameda County, California, GO, Election of 2002, Series B (AGM), 5.00%, 8/01/30 | 4,003 | 4,089,906 |
| Los Angeles Community College District, California, GO, 2008 Election, Series A, 6.00%, 8/01/33 | 3,828 | 4,246,729 |
| San Diego Community College District, California, GO, Election of 2002, 5.25%, 8/01/33 | 7,732 | 7,906,928 |
| Santa Clara County Financing Authority, Refunding RB, Lease, Series L, 5.25%, 5/15/36 | 10,001 | 10,319,310 |
| Sonoma County Junior College District, GO, Refunding, Election of 2002, Series B (AGM), 5.00%, 8/01/28 | 6,875 | 7,105,143 |
| | | 44,068,223 |

Education 11.5%

| | | |
|---------------------------------------------------------------------------------------------------------------|--------|------------|
| California Educational Facilities Authority, RB, University of Southern California, Series A, 5.25%, 10/01/18 | 13,845 | 14,613,398 |
| California State University, RB, Systemwide, Series A (AGM), 5.00%, 11/01/39 | 4,840 | 4,780,516 |
| Los Angeles Community College District, California, GO, 2003 Election, Series E (AGM), 5.00%, 8/01/31 | 10,002 | 10,145,687 |
| Peralta Community College District, California, GO, Election of 2000, Series D (AGM), 5.00%, 8/01/30 | 1,995 | 2,038,292 |
| University of California, RB, Series O, 5.75%, 5/15/34 | 2,805 | 3,120,534 |
| | | 34,698,427 |

Utilities 10.1%

| | | |
|----------------------------------------------------------------------------------------------|--------|------------|
| Eastern Municipal Water District, California, Water and Sewer, COP, Series H, 5.00%, 7/01/33 | 4,748 | 4,789,971 |
| Metropolitan Water District of Southern California, RB, Series A, 5.00%, 7/01/37 | 20,000 | 20,688,200 |

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San Diego County Water Authority, COP, Series A (AGM),

| | | |
|----------------|-------|------------|
| 5.00%, 5/01/31 | 5,010 | 5,097,574 |
| | | 30,575,745 |

Total Municipal Bonds Transferred to

Tender Option Bond Trusts 44.8% 135,813,746

Total Long-Term Investments

(Cost \$471,504,220) 156.9% 475,264,329

See Notes to Financial Statements.

SEMI-ANNUAL REPORT

JANUARY 31, 2010

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Schedule of Investments (concluded)

BlackRock MuniYield California Fund, Inc. (MYC)

(Percentages shown are based on Net Assets)

| Short-Term Securities | Shares | Value |
|-------------------------------------------------------------|------------|---------------|
| CMA California Municipal Money Fund, 0.04% (e)(f) | 10,038,152 | \$ 10,038,152 |
| Total Short-Term Securities | | |
| (Cost \$10,038,152) 3.3% | | 10,038,152 |
| Total Investments (Cost \$481,542,372*) 160.2% | | 485,302,481 |
| Liabilities in Excess of Other Assets (0.6)% | | (1,972,839) |
| Liability for Trust Certificates, Including Interest | | |
| Expense and Fees Payable (24.6)% | | (74,438,467) |
| Preferred Shares, at Redemption Value (35.0)% | | (105,961,278) |
| Net Assets Applicable to Common Shares 100.0% | | \$302,929,897 |

* The cost and unrealized appreciation (depreciation) of investments as of January 31, 2010, as computed for federal income tax purposes, were as follows:

| | |
|-------------------------------|----------------|
| Aggregate cost | \$ 407,491,842 |
| Gross unrealized appreciation | \$ 7,730,477 |
| Gross unrealized depreciation | (4,299,203) |
| Net unrealized appreciation | \$ 3,431,274 |

(a) Security is collateralized by Municipal or US Treasury Obligations.

(b) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.

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

| Counterparty | Market Value | Unrealized Depreciation |
|------------------------|--------------|-------------------------|
| JPMorgan Chase Bank NA | \$8,484,784 | \$(123,816) |
| Jeffries & Co. | \$4,861,550 | \$ (44,200) |

(d) Securities represent bonds transferred to a tender option bond trust 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 tender option bond trusts.

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

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| Affiliate | Net Activity | Income |
|-------------------------------------|-------------------------|---------------|
| CMA California Municipal Money Fund | \$2,430,455 | \$1,349 |

(f) 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 the Note 1 of the Notes to Financial Statements.

The following table summarizes the inputs used as of January 31, 2010 in determining the fair valuation of the Fund's investments:

| Valuation Inputs | Securities Assets | Investments in |
|--------------------------------------------|------------------------------|-----------------------|
| Level 1 Short-Term Securities | | \$ 10,038,152 |
| Level 2 Long-Term Investments ¹ | | 475,264,329 |
| Level 3 | | |
| Total | | \$ 485,302,481 |

¹ See above Schedule of Investments for values in each sector.

See Notes to Financial Statements.

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JANUARY 31, 2010

Schedule of Investments January 31, 2010 (Unaudited)

BlackRock MuniYield Investment Fund (MYF)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| Municipal Bonds | | |
| Arizona 0.7% | | |
| Pima County IDA, Refunding IDR, Tucson Electric Power, 5.75%, 9/01/29 | \$ 1,230 | \$ 1,242,608 |
| California 10.9% | | |
| California Health Facilities Financing Authority, RB, Cedars-Sinai Medical Center, 5.00%, 8/15/39 | 1,590 | 1,467,983 |
| California Health Facilities Financing Authority, Refunding RB, Series A: | | |
| Catholic Healthcare West, 6.00%, 7/01/39 | 710 | 740,566 |
| St. Joseph Health System, 5.75%, 7/01/39 | 2,700 | 2,781,000 |
| California State Public Works Board, RB: | | |
| Department of General Services, Buildings 8 & 9, Series A, 6.25%, 4/01/34 | 4,525 | 4,555,861 |
| Various Capital Projects, Sub-Series I-1, 6.38%, 11/01/34 | 1,265 | 1,285,961 |
| Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38 | 3,300 | 3,493,149 |
| San Diego Regional Building Authority California, RB, County Operations Center & Annex, Series A, 5.38%, 2/01/36 | 3,310 | 3,428,233 |
| San Francisco City & County Airports Commission, Refunding RB, 2nd Series A-3, AMT, 6.75%, 5/01/19 | 2,500 | 2,636,475 |
| | | 20,389,228 |
| Colorado 2.2% | | |
| City & County of Denver Colorado, Refunding RB, Series A, 5.25%, 11/15/36 | 4,050 | 4,117,919 |
| District of Columbia 1.1% | | |
| District of Columbia Water & Sewer Authority, RB, Series A, 5.25%, 10/01/29 | 2,000 | 2,119,860 |
| Florida 31.5% | | |
| Broward County Educational Facilities Authority, RB, Nova Southeastern University (AGC), 5.00%, 4/01/31 | 2,110 | 2,125,445 |
| City of Jacksonville Florida, RB, Series B (NPFGC), 5.13%, 10/01/32 | 1,500 | 1,504,155 |
| City of Jacksonville Florida, Refunding RB (NPFGC), | | |

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| | | |
|------------------------------------------------------------------------------------------------------------|--------------|--------------|
| 5.25%, 10/01/32 | 2,315 | 2,344,146 |
| City of Miami Beach Florida, RB, Water and Sewer (AMBAC), 5.75%, 9/01/25 | 3,000 | 3,072,540 |
| City of Port St. Lucie Florida, RB (NPFGC), 5.25%, 9/01/25 | 1,215 | 1,242,751 |
| County of Hillsborough Florida, RB (AMBAC), 5.40%, 5/01/30 (a) | 1,055 | 1,185,936 |
| County of Miami-Dade Florida, RB, AMT, Series A: (AGM), 5.00%, 10/01/33 | 2,560 | 2,473,651 |
| Miami International Airport (AGM), 5.25%, 10/01/41 | 1,675 | 1,649,439 |
| Miami International Airport (AGM), 5.50%, 10/01/41 | 2,930 | 2,959,945 |
| Miami International Airport (NPFGC), 6.00%, 10/01/29 | 3,275 | 3,321,276 |
| County of Orange Florida, Refunding RB (AMBAC), 5.00%, 10/01/29 | 1,750 | 1,794,152 |
| County of Osceola Florida, RB, Series A (NPFGC), 5.50%, 10/01/27 | 1,760 | 1,798,386 |
| County of Sumter Florida, RB (AMBAC): 5.00%, 6/01/26 | 2,190 | 2,247,247 |
| 5.00%, 6/01/30 | 2,475 | 2,508,363 |
| Duval County Housing Finance Authority, Refunding RB, AMT (GNMA), 5.40%, 10/01/21 | 645 | 647,709 |
| Florida Housing Finance Corp., Refunding RB, Homeowner Mortgage, Series 4, AMT (AGM), 6.25%, 7/01/22 | 350 | 364,315 |
| Florida Municipal Loan Council, RB (NPFGC): Series A-1, 5.13%, 7/01/34 | 1,580 | 1,570,141 |
| Series B, 5.38%, 11/01/30 | 4,250 | 4,277,540 |
| Hillsborough County Aviation Authority, Florida, Refunding RB, Series C, AMT (AGC), 5.75%, 10/01/26 | 1,000 | 1,045,020 |
| | Par | |
| Municipal Bonds | (000) | Value |
| Florida (concluded) | | |
| Hillsborough County IDA, RB, AMT, National Gypsum Co.: Series A, 7.13%, 4/01/30 | \$ 2,500 | \$ 1,925,075 |
| Series B, 7.13%, 4/01/30 | 3,750 | 2,887,612 |
| Lee County Housing Finance Authority, RB, Multi-County Program, Series A-1, AMT (GNMA), 7.13%, 3/01/28 | 30 | 30,456 |
| Manatee County Housing Finance Authority, Refunding RB, S/F, Sub-Series 1, AMT (GNMA), | | |

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| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| 6.25%, 11/01/28 | 85 | 86,776 |
| Miami-Dade County Housing Finance Authority, Florida, Refunding RB, Home Ownership Mortgage, Series A1, AMT (GNMA), 6.30%, 10/01/20 | 365 | 372,742 |
| Pinellas County Housing Finance Authority, Refunding RB, Multi-County Program, Series A1, AMT (GNMA): | | |
| 6.30%, 9/01/20 | 240 | 245,090 |
| 6.35%, 9/01/25 | 340 | 347,317 |
| Polk County School Board, COP, Master Lease, Series A (AGM), 5.50%, 1/01/25 | 4,385 | 4,507,473 |
| Santa Rosa County School Board, COP, Refunding, Series 2 (NPFGC), 5.25%, 2/01/26 | 1,180 | 1,233,065 |
| South Lake County Hospital District, RB, South Lake Hospital Inc., 6.38%, 10/01/34 | 1,150 | 1,152,288 |
| Village Center Community Development District, RB (NPFGC): | | |
| 5.13%, 10/01/28 | 4,960 | 4,596,829 |
| Series A, 5.38%, 11/01/34 | 1,995 | 1,688,009 |
| Series A, 5.13%, 11/01/36 | 1,000 | 804,080 |
| Volusia County IDA, RB, Student Housing, Stetson University Project, Series A (CIFG), 5.00%, 6/01/35 | 1,000 | 838,630 |
| | | 58,847,599 |
| Georgia 8.4% | | |
| City of Atlanta Georgia, RB, General, Subordinate Lien, Series C (AGM), 5.00%, 1/01/33 | 3,270 | 3,278,862 |
| County of Fulton, Georgia, RB (NPFGC), 5.25%, 1/01/35 | 1,000 | 1,022,690 |
| Metropolitan Atlanta Rapid Transit Authority, RB, 3rd Series, 5.00%, 7/01/39 | 4,815 | 4,983,092 |
| Municipal Electric Authority of Georgia, Refunding RB, Project One, Sub-Series D, 6.00%, 1/01/23 | 5,600 | 6,329,848 |
| | | 15,614,492 |
| Illinois 4.6% | | |
| Illinois Finance Authority, Refunding RB: | | |
| Central DuPage Health, Series B, 5.38%, 11/01/39 | 1,200 | 1,227,792 |
| Northwestern Memorial Hospital, Series A, 6.00%, 8/15/39 | 4,160 | 4,555,242 |
| State of Illinois, RB, Build Illinois, Series B, 5.25%, 6/15/34 | 2,700 | 2,782,512 |
| | | 8,565,546 |
| Indiana 2.6% | | |
| Indiana Municipal Power Agency, RB, Indiana Municipal | | |

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| | | |
|-----------------------------------------------------|-------|-----------|
| Power Agency, Series B, 6.00%, 1/01/39 | 4,525 | 4,823,831 |
| Kansas 1.8% | | |
| Kansas Development Finance Authority, Refunding RB, | | |
| Adventist Health, 5.50%, 11/15/29 | 3,250 | 3,415,490 |
| Kentucky 3.5% | | |
| Louisville & Jefferson County Metropolitan | | |
| Government, RB: | | |
| Parking Authority, Series A, 5.75%, 12/01/34 | 3,200 | 3,491,008 |
| Refunding, Jewish Hospital & St. Mary's HealthCare, | | |
| 6.13%, 2/01/37 | 2,955 | 3,046,309 |
| | | 6,537,317 |
| Maine 1.2% | | |
| Maine State Housing Authority, RB, Series C, AMT, | | |
| 5.45%, 11/15/23 | 2,285 | 2,288,039 |

See Notes to Financial Statements.

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JANUARY 31, 2010

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Schedule of Investments (continued)

BlackRock MuniYield Investment Fund (MYF)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|--------------------------------------------------------------------------------------------------------------|--------------|--------------|
| Municipal Bonds | | |
| Massachusetts 2.6% | | |
| Massachusetts HFA, Refunding HRB, Series F, AMT, 5.70%, 6/01/40 | \$ 2,110 | \$ 2,117,069 |
| Massachusetts Health & Educational Facilities Authority, RB, Tufts University, 5.38%, 8/15/38 | 1,500 | 1,610,925 |
| Massachusetts State College Building Authority, RB, Series A, 5.50%, 5/01/39 | 1,000 | 1,044,140 |
| | | 4,772,134 |
| Michigan 2.3% | | |
| Michigan State Building Authority, Refunding RB, Facilities Program, Series I, 6.00%, 10/15/38 | 1,250 | 1,338,200 |
| Michigan State Hospital Finance Authority, Refunding RB, Hospital, Henry Ford Health, 5.75%, 11/15/39 | 735 | 717,529 |
| Royal Oak Hospital Finance Authority Michigan, Refunding RB, William Beaumont Hospital, 8.25%, 9/01/39 | 1,970 | 2,284,057 |
| | | 4,339,786 |
| Nevada 5.0% | | |
| City of Las Vegas Nevada, GO, Limited Tax, Performing Arts Center, 6.00%, 4/01/34 | 2,850 | 3,127,732 |
| County of Clark, Nevada, RB, Series B, 5.75%, 7/01/42 (b) | 6,055 | 6,220,544 |
| | | 9,348,276 |
| New Jersey 2.8% | | |
| New Jersey EDA, Refunding RB, New Jersey American Water Co., Series A, AMT, 5.70%, 10/01/39 | 2,250 | 2,215,912 |
| New Jersey Transportation Trust Fund Authority, RB, Transportation System, Series A, 5.88%, 12/15/38 | 2,670 | 2,899,460 |
| | | 5,115,372 |
| New York 7.3% | | |
| Long Island Power Authority, Refunding RB, Series A, 5.50%, 4/01/24 | 1,600 | 1,745,424 |
| New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-3, 5.25%, 1/15/39 | 2,500 | 2,607,000 |
| New York State Dormitory Authority, ERB, Series B, | | |

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| | | |
|-------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| 5.25%, 3/15/38 | 5,700 | 6,003,696 |
| Triborough Bridge & Tunnel Authority, RB, General, Series A-2, 5.38%, 11/15/38 | 3,030 | 3,238,767 |
| | | 13,594,887 |
| North Carolina 1.7% | | |
| City of Charlotte North Carolina, Refunding RB, Series A, 5.50%, 7/01/34 (b) | 350 | 370,482 |
| North Carolina Eastern Municipal Power Agency, Refunding RB, Series B, 5.00%, 1/01/26 | 885 | 910,639 |
| North Carolina Medical Care Commission, RB, Duke University Health System, Series A, 5.00%, 6/01/42 | 1,270 | 1,263,853 |
| North Carolina Municipal Power Agency, No. 1 Catawba, Refunding RB, Series A, 5.00%, 1/01/30 | 630 | 642,241 |
| | | 3,187,215 |
| Ohio 0.7% | | |
| Ohio Air Quality Development Authority, RB, Ohio Valley Electric Corp., 5.63%, 10/01/19 | 1,215 | 1,247,258 |
| Pennsylvania 3.7% | | |
| Pennsylvania Economic Development Financing Authority, RB, American Water Co. Project, 6.20%, 4/01/39 | 1,075 | 1,153,346 |
| Pennsylvania Turnpike Commission, RB, Sub-Series B, 5.25%, 6/01/39 | 5,650 | 5,699,381 |
| | | 6,852,727 |
| | Par | |
| | (000) | Value |
| Municipal Bonds | | |
| Puerto Rico 0.9% | | |
| Puerto Rico Housing Finance Authority, Refunding RB, Subordinate, Capital Fund Modernization, 5.13%, 12/01/27 | \$ 1,730 | \$ 1,731,713 |
| Texas 6.1% | | |
| City of Houston Texas, RB, Senior Lien, Series A, 5.50%, 7/01/39 | 1,170 | 1,242,797 |
| Conroe ISD Texas, GO, School Building, Series A, 5.75%, 2/15/35 | 1,800 | 1,934,082 |
| Harris County Health Facilities Development Corp., Refunding RB, Memorial Hermann Healthcare System, B, 7.25%, 12/01/35 | 800 | 896,288 |
| Lower Colorado River Authority, RB, 5.75%, 5/15/28 | 1,620 | 1,711,984 |
| North Texas Tollway Authority, RB, System, First Tier, Series K-1 (AGC), 5.75%, 1/01/38 | 1,750 | 1,866,812 |

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| | | |
|------------------------------------------------------------------------------------------------------------------|-------|-------------|
| Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien, Note Mobility, 6.88%, 12/31/39 | 3,600 | 3,747,492 |
| | | 11,399,455 |
| Utah 1.3% | | |
| City of Riverton Utah, RB, IHC Health Services, Inc., 5.00%, 8/15/41 | 2,370 | 2,366,208 |
| Virginia 1.9% | | |
| Virginia Public School Authority, RB, School Financing, 6.50%, 12/01/35 | 1,700 | 1,948,251 |
| Virginia Small Business Financing Authority, Refunding RB, Sentara Healthcare, 5.00%, 11/01/40 | 1,650 | 1,644,737 |
| | | 3,592,988 |
| Wyoming 1.3% | | |
| County of Sweetwater Wyoming, Refunding RB, Idaho Power Co. Project, 5.25%, 7/15/26 | 2,430 | 2,511,356 |
| Total Municipal Bonds 106.1% | | 198,021,304 |
| Municipal Bonds Transferred to Tender Option Bond Trusts (c) | | |
| California 15.4% | | |
| Bay Area Toll Authority, Refunding RB, San Francisco Bay Area, Series F-1, 5.63%, 4/01/44 | 2,680 | 2,842,778 |
| California Educational Facilities Authority, RB, University of Southern California, Series A, 5.25%, 10/01/18 | 4,200 | 4,433,100 |
| Los Angeles Community College District California, GO, 2008 Election, Series A, 6.00%, 8/01/33 | 7,697 | 8,537,810 |
| Los Angeles Unified School District California, GO, Series I, 5.00%, 1/01/34 | 790 | 788,870 |
| San Diego Public Facilities Financing Authority, Refunding RB, Series B, 5.50%, 8/01/39 | 8,415 | 8,853,758 |
| University of California, RB, Series O, 5.75%, 5/15/34 | 3,000 | 3,337,470 |
| | | 28,793,786 |
| Colorado 1.2% | | |
| Colorado Health Facilities Authority, Refunding RB, Catholic Healthcare, Series A, 5.50%, 7/01/34 | 2,149 | 2,265,680 |
| District of Columbia 3.7% | | |
| District of Columbia, RB, Series A, 5.50%, 12/01/30 | 2,805 | 3,115,345 |
| District of Columbia Water & Sewer Authority, RB, Series A, 5.50%, 10/01/39 | 3,507 | 3,743,998 |
| | | 6,859,343 |
| Florida 11.7% | | |
| City of Jacksonville, Florida, RB, Better Jacksonville | | |

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| | | |
|----------------------------------------------------------------------------------------------|-------|-----------|
| (NPFGC), 5.00%, 10/01/27 | 2,700 | 2,760,642 |
| Hillsborough County Aviation Authority. Florida, RB, Series A, AMT (AGC), 5.50%, 10/01/38 | 3,869 | 3,908,433 |

See Notes to Financial Statements.

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JANUARY 31, 2010

Schedule of Investments (continued)

BlackRock MuniYield Investment Fund (MYF)

(Percentages shown are based on Net Assets)

| Municipal Bonds Transferred to | Par | |
|-----------------------------------------------------------------------------------------------------------|--------------|--------------|
| Tender Option Bond Trusts (c) | (000) | Value |
| Florida (concluded) | | |
| JEA, RB, Issue Three Series Two River Power Pike, 5.00%, 10/01/37 | \$ 2,100 | \$ 2,105,166 |
| Lee County Housing Finance Authority, RB, Multi-County Program, Series A-2, AMT (GNMA), 6.00%, 9/01/40 | 2,250 | 2,433,668 |
| Manatee County Housing Finance Authority, RB, Series A, AMT (GNMA), 5.90%, 9/01/40 | 1,141 | 1,187,886 |
| South Broward Hospital District, Florida, RB (NPFGC), 5.63%, 5/01/32 (a) | 8,500 | 9,454,975 |
| | | 21,850,770 |
| Illinois 4.2% | | |
| Illinois Finance Authority, RB, University of Chicago, Series B, 6.25%, 7/01/38 | 5,300 | 5,983,647 |
| Illinois State Toll Highway Authority, RB, Series B, 5.50%, 1/01/33 | 1,750 | 1,869,974 |
| | | 7,853,621 |
| Nevada 6.3% | | |
| Clark County Water Reclamation District, GO: Limited Tax, 6.00%, 7/01/38 | 5,000 | 5,542,900 |
| Clark County Water Reclamation District Series B, 5.50%, 7/01/29 | 5,668 | 6,185,995 |
| | | 11,728,895 |
| New Hampshire 1.2% | | |
| New Hampshire Health & Education Facilities Authority, Refunding RB, Dartmouth College, 5.25%, 6/01/39 | 2,159 | 2,318,695 |
| New Jersey 1.2% | | |
| New Jersey State Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29 | 2,291 | 2,349,130 |
| New York 1.5% | | |
| New York City Municipal Water Finance Authority, RB, Series FF-2, 5.50%, 6/15/40 | 2,504 | 2,740,226 |
| South Carolina 1.9% | | |
| South Carolina State Public Service Authority, RB, Santee Cooper, Series A, 5.50%, 1/01/38 | 3,240 | 3,485,689 |
| Texas 5.3% | | |

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| | | |
|------------------------------------------------------------------------------------------------------------------------------|-------|------------------------|
| City of San Antonio, Texas, Refunding RB, Series A, 5.25%, 2/01/31 | 3,989 | 4,319,226 |
| Harris County Cultural Education Facilities Finance Corporation, RB, Texas Childrens Hospital Project, 5.50%, 10/01/39 | 5,400 | 5,542,128 9,861,354 |

Virginia 1.0%

| | | |
|----------------------------------------------------------------------------------------------------------|-------|-----------|
| Fairfax County IDA Virginia, Refunding RB, Health Care, Inova Health System, Series A, 5.50%, 5/15/35 | 1,749 | 1,819,634 |
|----------------------------------------------------------------------------------------------------------|-------|-----------|

Wisconsin 1.8%

| | | |
|-----------------------------------------------------------------------------------------------------------------------------|-------|-----------|
| Wisconsin Health & Educational Facilities Authority, Refunding RB, Froedtert & Community Health, Inc., 5.25%, 4/01/39 | 3,289 | 3,288,980 |
|-----------------------------------------------------------------------------------------------------------------------------|-------|-----------|

Total Municipal Bonds Transferred to

| | | |
|----------------------------------------|--|-------------|
| Tender Option Bond Trusts 56.4% | | 105,215,803 |
|----------------------------------------|--|-------------|

Total Long-Term Investments

| | | |
|------------------------------------|--|-------------|
| (Cost \$294,106,115) 162.5% | | 303,237,107 |
|------------------------------------|--|-------------|

Short-Term Securities

| | Shares | Value |
|-------------------------------------------------|-----------|--------------|
| FFI Institutional Tax-Exempt Fund, 0.16% (d)(e) | 1,223,002 | \$ 1,223,002 |

Total Short-Term Securities

| | | |
|--------------------------------|--|-----------|
| (Cost \$1,223,002) 0.7% | | 1,223,002 |
|--------------------------------|--|-----------|

| | | |
|-------------------------------------------------------|--|-------------|
| Total Investments (Cost \$295,329,117*) 163.2% | | 304,460,109 |
|-------------------------------------------------------|--|-------------|

| | | |
|-----------------------------------------------------|--|-------------|
| Liabilities in Excess of Other Assets (1.3)% | | (2,335,732) |
|-----------------------------------------------------|--|-------------|

Liability for Trust Certificates, Including Interest

| | | |
|-----------------------------------------|--|--------------|
| Expense and Fees Payable (30.0)% | | (56,066,743) |
|-----------------------------------------|--|--------------|

| | | |
|------------------------------------------------------|--|--------------|
| Preferred Shares, at Redemption Value (31.9)% | | (59,478,235) |
|------------------------------------------------------|--|--------------|

| | | |
|------------------------------------------------------|--|---------------|
| Net Assets Applicable to Common Shares 100.0% | | \$186,579,399 |
|------------------------------------------------------|--|---------------|

* The cost and unrealized appreciation (depreciation) of investments as of January 31, 2010, as computed for federal income tax purposes, were as follows:

| | | |
|-------------------------------|--|----------------|
| Aggregate cost | | \$ 240,547,021 |
| Gross unrealized appreciation | | \$ 12,121,915 |
| Gross unrealized depreciation | | (4,231,201) |
| Net unrealized appreciation | | \$ 7,890,714 |

(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 security transactions were as follows:

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| Counterparty | Value | Unrealized |
|---------------------|--------------|----------------------------------------|
| | | Appreciation (Depreciation) |
| Citigroup NA | \$6,220,544 | \$ (18,528) |
| Merrill Lynch & Co. | \$ 370,482 | \$ 4,141 |

(c) Securities represent bonds transferred to a tender option bond trust 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 tender option bond trusts.

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

| Affiliate | Net Activity | Income |
|-----------------------------------|-------------------------|---------------|
| FII Institutional Tax-Exempt Fund | \$(177,049) | \$6,758 |

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

See Notes to Financial Statements.

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JANUARY 31, 2010

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Schedule of Investments (concluded)

BlackRock MuniYield Investment Fund (MYF)

(Percentages shown are based on Net Assets)

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, 2010 in determining the fair valuation of the Fund's investments:

| Valuation Inputs | Investments in Securities Assets |
|--------------------------------------------|-------------------------------------------------|
| Level 1 Short-Term Securities | \$ 1,223,002 |
| Level 2 Long-Term Investments ¹ | 303,237,107 |
| Level 3 | |
| Total | \$ 304,460,109 |

¹ See above Schedule of Investments for values in each state or political subdivision.

See Notes to Financial Statements.

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Schedule of Investments January 31, 2010 (Unaudited)

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

(Percentages shown are based on Net Assets)

| Municipal Bonds | Par (000) | Value |
|------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| New Jersey 127.8% | | |
| Corporate 1.4% | | |
| New Jersey EDA, Refunding RB, New Jersey American Water Co., Series A, AMT, 5.70%, 10/01/39 | \$ 2,925 | \$ 2,880,686 |
| County/City/Special District/School District 19.6% | | |
| Burlington County Bridge Commission, RB, Governmental Leasing Program, 5.25%, 8/15/20 (a) | 1,000 | 1,112,150 |
| City of Perth Amboy New Jersey, GO, CAB (AGM) (b): | | |
| 5.64%, 7/01/33 | 1,575 | 1,419,280 |
| 5.63%, 7/01/34 | 1,925 | 1,727,668 |
| County of Hudson New Jersey, COP, Refunding (NPFGC), 6.25%, 12/01/16 | 1,500 | 1,718,925 |
| Essex County Improvement Authority, Refunding RB, Project Consolidation (NPFGC), 5.50%, 10/01/29 | 5,085 | 5,708,218 |
| Hudson County Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC), 5.38%, 1/01/44 | 4,800 | 5,055,168 |
| Hudson County Improvement Authority, Refunding RB, Hudson County Lease Project (NPFGC), 5.38%, 10/01/24 | 4,500 | 4,535,460 |
| Middlesex County Improvement Authority, RB: | | |
| Golf Course Projects, 5.25%, 6/01/22 | 1,455 | 1,602,508 |
| Senior, Heldrich Center Hotel, Series A, 5.00%, 1/01/20 | 655 | 366,806 |
| Monmouth County Improvement Authority, RB, Governmental Loan (AMBAC): | | |
| 5.00%, 12/01/15 | 1,215 | 1,255,945 |
| 5.00%, 12/01/15 (a) | 1,020 | 1,101,947 |
| 5.00%, 12/01/16 | 1,280 | 1,315,187 |
| 5.00%, 12/01/16 (a) | 1,065 | 1,150,562 |
| Morristown Parking Authority, RB (NPFGC), 4.50%, 8/01/37 | 585 | 563,542 |
| Newark Housing Authority, Refunding RB, Newark Redevelopment Project (NPFGC), 4.38%, 1/01/37 | 2,875 | 2,652,964 |
| Salem County Improvement Authority, RB, Finlaw Street | | |

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| | | |
|----------------------------------------|-------|------------|
| Office Building (AGM): | | |
| 5.38%, 8/15/28 | 500 | 542,690 |
| 5.25%, 8/15/38 | 500 | 522,130 |
| South Jersey Port Corp., Refunding RB: | | |
| 4.75%, 1/01/18 | 4,280 | 4,408,058 |
| 4.85%, 1/01/19 | 2,485 | 2,551,598 |
| 5.00%, 1/01/20 | 2,000 | 2,052,920 |
| | | 41,363,726 |

Education 15.9%

| | | |
|------------------------------------------------------------|-------|-----------|
| New Jersey Educational Facilities Authority, RB: | | |
| Georgian Court College Project, Series C, | | |
| 6.50%, 7/01/33 (a) | 2,000 | 2,362,480 |
| Montclair State University, Series J, 5.25%, 7/01/38 | 1,140 | 1,156,997 |
| Rider University, Series A (Radian), 5.50%, 7/01/23 | 1,255 | 1,272,608 |
| Rider University, Series A (Radian), 5.25%, 7/01/34 | 1,450 | 1,334,058 |
| Rider University, Series C (Radian), 5.00%, 7/01/37 | 1,750 | 1,583,260 |
| New Jersey Educational Facilities Authority, Refunding RB: | | |
| College of New Jersey, Series D (AGM), | | |
| 5.00%, 7/01/35 | 6,115 | 6,279,677 |
| Georgian Court University, Series D, 5.25%, 7/01/37 | 1,000 | 952,540 |
| Montclair State University, Series L (NPFGC), | | |
| 5.00%, 7/01/34 (a) | 5,305 | 6,123,561 |
| Ramapo College, Series I (AMBAC), 4.25%, 7/01/31 | 750 | 703,170 |
| Ramapo College, Series I (AMBAC), 4.25%, 7/01/36 | 810 | 731,981 |
| Rider University (Radian), 5.00%, 7/01/17 | 1,000 | 1,015,450 |
| Rowan University, Series B (AGC), 5.00%, 7/01/24 | 1,800 | 1,946,304 |
| University of Medicine & Dentistry, Series B, | | |
| 7.13%, 12/01/23 | 1,300 | 1,473,888 |
| University of Medicine & Dentistry, Series B, | | |
| 7.50%, 12/01/32 | 1,625 | 1,831,863 |

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

New Jersey (continued)

Education (concluded)

| | | |
|---------------------------------------------------------|----------|--------------|
| New Jersey Higher Education Assistance Authority, | | |
| Refunding RB, Series 1A: | | |
| 5.00%, 12/01/25 | \$ 1,035 | \$ 1,048,579 |
| 5.00%, 12/01/26 | 490 | 492,994 |
| New Jersey State Higher Education Assistance Authority, | | |
| RB, Series A, AMT (AMBAC), 5.30%, 6/01/17 | | |
| | 3,170 | 3,182,426 |

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33,491,836

Health 19.6%

New Jersey EDA, RB:

| | | |
|-------------------------------------------------------------------|-------|-----------|
| CAB, St. Barnabas Health, Series A (NPFGC), 6.25%, 7/01/24 (c) | 3,850 | 1,335,065 |
| Masonic Charity Foundation of New Jersey, 5.25%, 6/01/24 | 1,425 | 1,439,421 |
| Masonic Charity Foundation of New Jersey, 5.25%, 6/01/32 | 685 | 651,250 |

New Jersey EDA, Refunding RB, First Mortgage,

Winchester, Series A:

| | | |
|-----------------|-------|-----------|
| 5.75%, 11/01/24 | 2,500 | 2,492,375 |
| 5.80%, 11/01/31 | 1,000 | 979,340 |

New Jersey Health Care Facilities Financing Authority, RB:

| | | |
|-----------------------------------------------------------------------|-------|-----------|
| Children s Specialized Hospital, Series A, 5.50%, 7/01/36 | 1,540 | 1,454,053 |
| Health System, Catholic Health East, Series A, 5.38%, 11/15/33 (a) | 1,100 | 1,233,573 |
| Hospital Asset Transformation Program, Series A, 5.25%, 10/01/38 | 1,300 | 1,313,429 |
| Hunterdon Medical Center, Series A, 5.13%, 7/01/35 | 1,950 | 1,837,719 |
| Meridian Health, Series I (AGC), 5.00%, 7/01/38 | 1,000 | 993,950 |
| Pascack Valley Hospital Association, 6.63%, 7/01/36 (d)(e) | 1,845 | 18 |
| Robert Wood University (AMBAC), 5.70%, 7/01/20 | 4,000 | 4,020,880 |
| Somerset Medical Center, 5.50%, 7/01/33 | 1,875 | 1,394,850 |
| Southern Ocean County Hospital (Radian), 5.13%, 7/01/31 | 2,000 | 1,738,340 |
| Virtua Health (AGC), 5.50%, 7/01/38 | 2,500 | 2,608,175 |

New Jersey Health Care Facilities Financing Authority,

Refunding RB:

| | | |
|-----------------------------------------------------------|-------|-----------|
| Atlantic City Medical Center, 6.25%, 7/01/17 (a) | 500 | 559,970 |
| Atlantic City Medical Center, 5.75%, 7/01/25 (a) | 1,060 | 1,174,522 |
| Atlantic City Medical System, 6.25%, 7/01/17 | 520 | 547,841 |
| Atlantic City Medical System, 5.75%, 7/01/25 | 520 | 531,861 |
| CAB, St. Barnabas Health, Series B, 5.90%, 7/01/30 (c) | 2,000 | 393,620 |
| CAB, St. Barnabas Health, Series B, 5.69%, 7/01/36 (c) | 500 | 57,870 |
| CAB, St. Barnabas Health, Series B, | | |

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| | | |
|-------------------------------------------------------------------------|--------|------------|
| 5.18%, 7/01/37 (c) Capital Health System Obligation Group, Series A, | 13,250 | 1,413,378 |
| 5.75%, 7/01/23 (a) Meridian Health System Obligation Group (AGM), | 1,650 | 1,871,809 |
| 5.25%, 7/01/19 Meridian Health System Obligation Group (AGM), | 1,500 | 1,504,335 |
| 5.38%, 7/01/24 Meridian Health System Obligation Group (AGM), | 2,250 | 2,255,445 |
| 5.25%, 7/01/29 South Jersey Hospital, 5.00%, 7/01/36 | 2,195 | 2,196,800 |
| South Jersey Hospital, 5.00%, 7/01/46 | 385 | 367,610 |
| St. Barnabas Health Care System, Series A, 5.00%, 7/01/29 | 1,650 | 1,539,796 |
| | 4,155 | 3,328,363 |
| | | 41,235,658 |

See Notes to Financial Statements.

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Schedule of Investments (continued)

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

(Percentages shown are based on Net Assets)

| Municipal Bonds | Par (000) | Value |
|----------------------------------------------------------------------|--------------|--------------|
| New Jersey (continued) | | |
| Housing 16.2% | | |
| New Jersey State Housing & Mortgage Finance | | |
| Agency, RB: | | |
| Capital Fund Program, Series A (AGM), 4.70%, 11/01/25 | \$ 6,950 | \$ 7,001,013 |
| Home Buyer, Series CC, AMT (NPFGC), 5.80%, 10/01/20 | 4,515 | 4,694,110 |
| S/F Housing, Series CC, 5.00%, 10/01/34 | 3,455 | 3,449,887 |
| S/F Housing, Series U, AMT, 4.95%, 10/01/32 | 700 | 679,525 |
| S/F Housing, Series X, AMT, 4.85%, 4/01/16 | 3,605 | 3,760,159 |
| Series A, 4.75%, 11/01/29 | 2,305 | 2,261,389 |
| Series A, AMT (FGIC), 4.90%, 11/01/35 | 1,365 | 1,277,736 |
| Series AA, 6.50%, 10/01/38 | 2,025 | 2,203,747 |
| New Jersey State Housing & Mortgage Finance | | |
| Agency, Refunding RB, S/F Housing, Series T, AMT, 4.65%, 10/01/32 | | |
| | 4,945 | 4,673,025 |
| Newark Housing Authority, RB, South Ward Police | | |
| Facility (AGC): | | |
| 5.75%, 12/01/30 | 1,115 | 1,192,704 |
| 6.75%, 12/01/38 | 2,670 | 2,996,274 |
| | | 34,189,569 |
| State 34.6% | | |
| Garden State Preservation Trust, RB (AGM): | | |
| CAB, Series B, 5.12%, 11/01/23 (c) | 6,860 | 3,725,940 |
| CAB, Series B, 5.25%, 11/01/28 (c) | 4,540 | 1,834,569 |
| Election of 2005, Series A, 5.80%, 11/01/22 | 4,300 | 4,983,012 |
| New Jersey EDA, RB: | | |
| Department of Human Services, Pooled, 5.00%, 7/01/12 | 220 | 237,208 |
| Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/33 | 14,000 | 14,203,280 |
| School Facilities Construction, Series L (AGM), 5.00%, 3/01/30 | 5,800 | 5,986,238 |
| School Facilities Construction, Series O, | | |

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| | | |
|-----------------------------------------------------|-------|------------|
| 5.25%, 3/01/23 | 2,400 | 2,574,024 |
| School Facilities Construction, Series P, | | |
| 5.00%, 9/01/15 | 3,000 | 3,370,560 |
| School Facilities Construction, Series P, | | |
| 5.25%, 9/01/16 | 3,010 | 3,386,190 |
| School Facilities Construction, Series Z (AGC), | | |
| 5.50%, 12/15/34 | 3,665 | 3,940,315 |
| School Facilities Construction, Series Z (AGC), | | |
| 6.00%, 12/15/34 | 3,600 | 4,029,156 |
| New Jersey EDA, Refunding RB, School Facilities | | |
| Construction, Series AA, 5.50%, 12/15/29 | 3,300 | 3,571,029 |
| New Jersey State Transit Corp., COP, Subordinate, | | |
| Federal Transit Administration Grants, Series B, | | |
| 5.75%, 9/15/14 | 3,620 | 3,925,781 |
| New Jersey Transportation Trust Fund Authority, RB: | | |
| CAB, Transportation System, Series C (AMBAC), | | |
| 5.05%, 12/15/35 (c) | 4,140 | 835,742 |
| Transportation System, Series A, 6.00%, 12/15/38 | 2,900 | 3,181,938 |
| Transportation System, Series A (AGC), | | |
| 5.63%, 12/15/28 | 1,250 | 1,392,563 |
| New Jersey Transportation Trust Fund Authority, | | |
| Transportation System, Refunding RB: | | |
| Series A, 5.50%, 12/15/21 | 3,525 | 3,999,430 |
| Series B (NPFGC), 5.50%, 12/15/21 | 5,865 | 6,731,964 |
| State of New Jersey, COP, Equipment Lease Purchase, | | |
| Series A, 5.25%, 6/15/28 | 1,100 | 1,136,124 |
| | | 73,045,063 |
| Tobacco 1.2% | | |
| Tobacco Settlement Financing Corp., New Jersey, | | |
| Refunding RB, Series 1A, 4.50%, 6/01/23 | 2,720 | 2,535,802 |

| | Par | |
|-------------------------------|-------|-------|
| | (000) | Value |
| Municipal Bonds | | |
| New Jersey (concluded) | | |

Transportation 11.0%

| | | |
|-----------------------------------------------------|----------|--------------|
| New Jersey State Turnpike Authority, RB: | | |
| Growth & Income Securities, Series B (AMBAC), | | |
| 6.27%, 1/01/35 (c) | \$ 4,870 | \$ 3,824,752 |
| Series E, 5.25%, 1/01/40 | 5,475 | 5,667,939 |
| New Jersey Transportation Trust Fund Authority, RB, | | |
| Transportation System, Series A: | | |

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| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|
| 5.88%, 12/15/38 | 3,050 | 3,312,117 |
| (AGC), 5.50%, 12/15/38 | 1,000 | 1,073,980 |
| Port Authority of New York & New Jersey, RB, Consolidated, 93rd Series, 6.13%, 6/01/94 | 5,000 | 5,810,900 |
| Port Authority of New York & New Jersey, Refunding RB, Consolidated, 152nd Series, AMT, 5.75%, 11/01/30 | 3,300 | 3,486,021 |
| | | 23,175,709 |
| Utilities 8.3% | | |
| Cumberland County Improvement Authority, RB, Series A, 5.00%, 1/01/30 | 1,210 | 1,187,506 |
| New Jersey EDA, RB, AMT: New Jersey American Water Co., Inc. Project, Series A (FGIC), 6.88%, 11/01/34 | 6,670 | 6,672,935 |
| Series A, American Water (AMBAC), 5.25%, 11/01/32 | 685 | 641,770 |
| New Jersey EDA, Refunding RB, United Water of New Jersey Inc., Series B (AMBAC), 4.50%, 11/01/25 | 4,500 | 4,651,965 |
| Rahway Valley Sewerage Authority, RB, CAB, Series A (NPFGC), 4.87%, 9/01/31 (c) | 6,000 | 1,663,260 |
| Union County Utilities Authority, Refunding RB, Senior Lease, Ogden Martin, Series A, AMT (AMBAC): 5.38%, 6/01/17 | 1,585 | 1,588,186 |
| 5.38%, 6/01/18 | 1,175 | 1,176,292 |
| | | 17,581,914 |
| Total Municipal Bonds in New Jersey | | 269,499,963 |
| Pennsylvania 3.7% | | |
| Transportation 3.7% | | |
| Delaware River Port Authority Pennsylvania & New Jersey, RB (AGM), 6.00%, 1/01/19 | 7,860 | 7,890,261 |
| Total Municipal Bonds in Pennsylvania | | 7,890,261 |
| Puerto Rico 6.4% | | |
| Education 0.5% | | |
| Puerto Rico Industrial Tourist Educational Medical & Environmental Control Facilities Financing Authority, RB, University Plaza Project, Series A (NPFGC), 5.00%, 7/01/33 | 1,215 | 1,126,438 |
| Housing 1.0% | | |
| Puerto Rico Housing Finance Authority, Refunding RB, Subordinate, Capital Fund Modernization, 5.13%, 12/01/27 | 2,025 | 2,027,005 |
| State 2.9% | | |

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| | | |
|--------------------------------------------------------------------------------------------------|-------|------------|
| Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 5.75%, 8/01/37 | 6,000 | 6,118,740 |
| Transportation 1.5% | | |
| Puerto Rico Highway & Transportation Authority, Refunding RB, Series CC (AGC), 5.50%, 7/01/31 | 3,000 | 3,237,000 |
| Utilities 0.5% | | |
| Puerto Rico Electric Power Authority, RB, Series WW, 5.50%, 7/01/38 | 1,000 | 1,007,990 |
| Total Municipal Bonds in Puerto Rico | | 13,517,173 |

See Notes to Financial Statements.

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Schedule of Investments (concluded)

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|--------------------------------------------------------------------------------------------------------------|---------------|---------------|
| Municipal Bonds | | |
| U.S. Virgin Islands 1.7% | | |
| Corporate 1.7% | | |
| United States Virgin Islands, Refunding RB, Senior Secured, Hovensa Coker Project, AMT, 6.50%, 7/01/21 | \$ 3,500 | \$ 3,539,515 |
| Total Municipal Bonds in U.S. Virgin Islands | | 3,539,515 |
| Total Municipal Bonds 139.6% | | 294,446,912 |
| Municipal Bonds Transferred to Tender Option Bond Trusts (f) | | |
| New Jersey 3.3% | | |
| State 3.3% | | |
| Garden State Preservation Trust, RB, Election of 2005, Series A (AGM), 5.75%, 11/01/28 | 5,460 | 6,870,045 |
| New York 1.8% | | |
| Transportation 1.8% | | |
| Port Authority of New York & New Jersey, 152nd Series, AMT, 5.25%, 11/01/35 | 3,764 | 3,808,655 |
| Total Municipal Bonds Transferred to Tender Option Bond Trusts 5.1% | | 10,678,700 |
| Total Long-Term Investments (Cost \$299,607,692) 144.7% | | 305,125,612 |
| Short-Term Securities | Shares | |
| CMA New Jersey Municipal Money Fund, 0.04% (g)(h) | 11,913,783 | 11,913,783 |
| Total Short-Term Securities (Cost \$11,913,783) 5.7% | | 11,913,783 |
| Total Investments (Cost \$311,521,475*) 150.4% | | 317,039,395 |
| Other Assets Less Liabilities 1.2% | | 2,623,657 |
| Liability for Trust Certificates, Including Interest | | |
| Expense and Fees Payable (3.1%) | | (6,609,020) |
| Preferred Shares, at Redemption Value (48.5%) | | (102,207,702) |
| Net Assets Applicable to Common Shares 100.0% | | \$210,846,330 |

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* The cost and unrealized appreciation (depreciation) of investments as of January 31, 2010, as computed for federal income tax purposes, were as follows:

| | |
|-------------------------------|----------------|
| Aggregate cost | \$ 304,943,725 |
| Gross unrealized appreciation | \$ 13,594,821 |
| Gross unrealized depreciation | (8,102,852) |
| Net unrealized appreciation | \$ 5,491,969 |

(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) Represents a step-up bond that pays an initial coupon rate for the first period and then a higher coupon rate for the following periods. Rate shown is as of report date.

(c) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.

(d) Issuer filed for bankruptcy and/or is in default of interest payments.

(e) Non-income producing security.

(f) Securities represent bonds transferred to a tender option bond trust 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 tender option bond trusts.

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

| Affiliate | Net Activity | Income |
|-------------------------------------|-------------------------|---------------|
| CMA New Jersey Municipal Money Fund | \$8,732,267 | \$1,031 |

(h) 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.

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The following table summarizes the inputs used as of January 31, 2010 in determining the fair valuation of the Fund's investments:

| Valuation | | Investments in |
|------------------|------------------------------------|-----------------------|
| Inputs | | Securities |
| | | Assets |
| Level 1 | Short-Term Securities | \$ 11,913,783 |
| Level 2 | Long-Term Investments ¹ | 305,125,612 |
| Level 3 | | |
| Total | | \$ 317,039,395 |

¹ See above Schedule of Investments for values in each sector.

See Notes to Financial Statements.

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Statements of Assets and Liabilities

| | BlackRock Muni New York Intermediate Duration Fund, Inc. (MNE) | BlackRock MuniYield Arizona Fund, Inc. (MZA) | BlackRock MuniYield California Fund, Inc. (MYC) | BlackRock MuniYield Investment Fund (MYF) | BlackRock MuniYield New Jersey Fund, Inc. (MYJ) |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------|
| January 31, 2010 (Unaudited) | | | | | |
| Assets | | | | | |
| Investments at value unaffiliated ¹ | \$ 86,922,973 | \$ 97,053,018 | \$ 475,264,329 | \$ 303,237,107 | \$ 305,125,612 |
| Investments at value affiliated ² | 641,113 | 2,403,565 | 10,038,152 | 1,223,002 | 11,913,783 |
| Interest receivable | 985,275 | 737,680 | 6,332,612 | 4,196,647 | 2,861,494 |
| Investments sold receivable | 190,000 | 1,422,318 | 6,877,872 | 4,551,894 | 904,537 |
| Prepaid expenses | 13,324 | 20,276 | 39,833 | 27,338 | 28,541 |
| Other assets | 170 | | | | |
| Total assets | 88,752,855 | 101,636,857 | 498,552,798 | 313,235,988 | 320,833,967 |
| Liabilities | | | | | |
| Income dividends payable Common Shares | 233,457 | 305,386 | 1,437,430 | 888,051 | 1,001,329 |
| Investment advisory fees payable | 37,388 | 42,571 | 204,488 | 128,263 | 132,731 |
| Interest expense and fees payable | 1,191 | 318 | 59,102 | 44,369 | 5,318 |
| Other affiliates payable | 568 | 652 | 3,160 | 1,936 | 2,032 |
| Officers and Directors fees payable | 186 | 91 | 461 | 280 | 315 |
| Investments purchased payable | | 390,816 | 13,514,350 | 10,039,419 | |
| Other accrued expenses payable | | 18,997 | 63,267 | 53,662 | 34,509 |
| Total accrued liabilities | 272,790 | 758,831 | 15,282,258 | 11,155,980 | 1,176,234 |
| Other Liabilities | | | | | |
| Trust certificates ³ | 375,000 | 1,500,000 | 74,379,365 | 56,022,374 | 6,603,701 |
| Total Liabilities | 647,790 | 2,258,831 | 89,661,623 | 67,178,354 | 7,779,935 |
| Preferred Shares at Redemption Value | | | | | |
| \$25,000 per share liquidation preference, plus unpaid dividends ^{4,5} | 29,632,983 | 38,803,971 | 105,961,278 | 59,478,235 | 102,207,702 |
| Net Assets Applicable to Common Shareholders | \$ 58,472,082 | \$ 60,574,055 | \$ 302,929,897 | \$ 186,579,399 | 210,846,330 |
| Net Assets Applicable to Common Shareholders Consist of | | | | | |
| Paid-in capital ^{6,7} | \$ 59,630,112 | \$ 60,532,046 | \$ 301,598,405 | \$ 188,893,413 | 204,494,347 |
| Undistributed net investment income | 714,683 | 798,482 | 4,185,738 | 2,891,622 | 3,497,602 |
| Accumulated net realized loss | (2,814,261) | (1,177,147) | (6,614,355) | (14,336,628) | (2,663,539) |
| Net unrealized appreciation/depreciation | 941,548 | 420,674 | 3,760,109 | 9,130,992 | 5,517,920 |

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| | | | | | |
|----------------------------------------------------------------------------------------------------------|---------------|---------------|----------------|----------------|---------------|
| | | | | | \$ |
| Net Assets Applicable to Common Shareholders | \$ 58,472,082 | \$ 60,574,055 | \$ 302,929,897 | \$ 186,579,399 | 210,846,330 |
| Net asset value per Common Share | \$ 13.90 | \$ 13.29 | \$ 14.23 | \$ 13.76 | \$ 14.84 |
| | | | | | \$ |
| ¹ Investments at cost unaffiliated | \$ 85,981,425 | \$ 96,632,344 | \$ 471,504,220 | \$ 294,106,115 | 299,607,692 |
| ² Investments at cost affiliated | \$ 641,113 | \$ 2,403,565 | \$ 10,038,152 | \$ 1,223,002 | \$ 11,913,783 |
| ³ Represents short-term floating rate certificates issued by tender option bond trusts. | | | | | |
| ⁴ Preferred Shares outstanding: | | | | | |
| Par value \$0.05 per share | | | | 2,379 | 3,349 |
| Par value \$0.10 per share | 1,185 | 1,552 | 4,238 | | 739 |
| ⁵ Preferred Shares authorized | 1,240 | 1,612 | 7,000 | 1 million | 4,760 |
| ⁶ Common Shares outstanding, \$0.10 par value | 4,206,439 | 4,558,007 | 21,295,255 | 13,558,024 | 14,203,242 |
| ⁷ Common Shares authorized | 200 million | 200 million | 200 million | unlimited | 200 million |

See Notes to Financial Statements.

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JANUARY 31, 2010

Statements of Operations

| | BlackRock | | | | |
|-------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------|
| | Muni New York Intermediate Duration Fund, Inc. (MNE) | BlackRock MuniYield Arizona Fund, Inc. (MZA) | BlackRock MuniYield California Fund, Inc. (MYC) | BlackRock MuniYield Investment Fund (MYF) | BlackRock MuniYield New Jersey Fund, Inc. (MYJ) |
| Six Months Ended January 31, 2010 (Unaudited) | | | | | |
| Investment Income | | | | | |
| Interest | \$ 2,164,239 | \$ 2,519,521 | \$ 11,646,728 | \$ 7,562,990 | \$ 7,812,891 |
| Income affiliated | 119 | | 1,349 | 6,758 | 1,031 |
| Total income | 2,164,358 | 2,519,521 | 11,648,077 | 7,569,748 | 7,813,922 |
| Expenses | | | | | |
| Investment advisory | 241,443 | 249,906 | 1,207,911 | 746,157 | 795,302 |
| Commissions for Preferred Shares | 22,481 | 26,877 | 78,710 | 45,470 | 74,805 |
| Professional | 21,925 | 20,796 | 33,984 | 28,892 | 24,453 |
| Transfer agent | 10,726 | 17,724 | 22,489 | 22,556 | 24,714 |
| Accounting services | 9,397 | 13,507 | 75,544 | 45,969 | 33,990 |
| Printing | 5,413 | 8,080 | 28,141 | 15,163 | 18,801 |
| Registration | 4,581 | 892 | 4,549 | 4,647 | 4,502 |
| Custodian | 4,174 | 3,829 | 11,598 | 8,274 | 8,631 |
| Officer and Directors | 3,412 | 3,626 | 18,305 | 11,399 | 12,137 |
| Miscellaneous | 24,282 | 24,454 | 39,867 | 31,814 | 40,913 |
| Total expenses excluding interest expense and fees | 347,834 | 369,691 | 1,521,098 | 960,341 | 1,038,248 |
| Interest expense and fees ¹ | 2,369 | 5,990 | 250,552 | 211,284 | 24,119 |
| Total expenses | 350,203 | 375,681 | 1,771,650 | 1,171,625 | 1,062,367 |
| Less fees waived by advisor | (22,798) | (2,619) | (11,467) | (3,608) | (9,010) |
| Total expenses after fees waived | 327,405 | 373,062 | 1,760,183 | 1,168,017 | 1,053,357 |
| Net investment income | 1,836,953 | 2,146,459 | 9,887,894 | 6,401,731 | 6,760,565 |
| Realized and Unrealized Gain (Loss) | | | | | |
| Net realized gain (loss) from: | | | | | |
| Investments | 255,112 | (158,070) | (2,290,857) | 2,467,693 | (148,161) |
| Financial futures contracts | 3,982 | 3,983 | 8,960 | 12,943 | 9,956 |
| | 259,094 | (154,087) | (2,281,897) | 2,480,636 | (138,205) |
| Net change in unrealized appreciation/depreciation on investments | 3,355,759 | 4,012,793 | 17,574,566 | 7,485,065 | 9,811,725 |
| Total realized and unrealized gain | 3,614,853 | 3,858,706 | 15,292,669 | 9,965,701 | 9,673,520 |
| Dividends to Preferred Shareholders From | | | | | |
| Net investment income | (220,581) | (134,826) | (351,252) | (171,218) | (319,612) |
| Net Increase in Net Assets Applicable to | | | | | |
| Common Shareholders Resulting from Operations | \$ 5,231,225 | \$ 5,870,339 | \$ 24,829,311 | \$ 16,196,214 | \$ 16,114,473 |

¹ Related to tender option bond trusts.

See Notes to Financial Statements.

SEMI-ANNUAL REPORT

JANUARY 31, 2010

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Statements of Changes in Net Assets

BlackRock Muni New York Intermediate Duration Fund,
Inc. (MNE)

| | Six Months Ended | |
|----------------------------------------------------------------------------------------|---------------------|--------------------------------|
| | January 31, 2010 | Year Ended July 31, 2009 |
| Increase (Decrease) in Net Assets Applicable to Common Shareholders: | (Unaudited) | 2009 |
| Operations | | |
| Net investment income | \$ 1,836,953 | \$ 3,678,440 |
| Net realized gain (loss) | 259,094 | (2,160,349) |
| Net change in unrealized appreciation/depreciation | 3,355,759 | (174,373) |
| Dividends to Preferred Shareholders from net investment income | (220,581) | (835,785) |
| Net increase in net assets applicable to Common Shareholders resulting from operations | 5,231,225 | 507,933 |
| Dividends to Common Shareholders From | | |
| Net investment income | (1,400,744) | (2,696,327) |
| Net Assets Applicable to Common Shareholders | | |
| Total increase (decrease) in net assets applicable to Common Shareholders | 3,830,481 | (2,188,394) |
| Beginning of period | 54,641,601 | 56,829,995 |
| End of period | \$ 58,472,082 | \$ 54,641,601 |
| Undistributed net investment income | \$ 714,683 | \$ 499,055 |

BlackRock MuniYield Arizona Fund, Inc. (MZA)

| | Six Months Ended | |
|----------------------------------------------------------------------------------------|---------------------|--------------------------------|
| | January 31, 2010 | Year Ended July 31, 2009 |
| Increase (Decrease) in Net Assets Applicable to Common Shareholders: | (Unaudited) | 2009 |
| Operations | | |
| Net investment income | \$ 2,146,459 | \$ 4,330,049 |
| Net realized loss | (154,087) | (502,704) |
| Net change in unrealized appreciation/depreciation | 4,012,793 | (1,630,717) |
| Dividends to Preferred Shareholders from net investment income | (134,826) | (856,443) |
| Net increase in net assets applicable to Common Shareholders resulting from operations | 5,870,339 | 1,340,185 |
| Dividends to Common Shareholders From | | |
| Net investment income | (1,831,371) | (3,202,649) |
| Capital Share Transactions | | |
| Reinvestment of common dividends | 86,106 | 93,565 |
| Net Assets Applicable to Common Shareholders | | |
| Total increase (decrease) in net assets applicable to Common Shareholders | 4,125,074 | (1,768,899) |

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| | | |
|-------------------------------------|---------------|---------------|
| Beginning of period | 56,448,981 | 58,217,880 |
| End of period | \$ 60,574,055 | \$ 56,448,981 |
| Undistributed net investment income | \$ 798,482 | \$ 618,220 |

See Notes to Financial Statements.

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JANUARY 31, 2010

Statements of Changes in Net Assets

BlackRock MuniYield California Fund, Inc. (MYC)

| | Six Months | |
|----------------------------------------------------------------------------------------|---------------|---------------|
| | Ended | |
| | January 31, | Year Ended |
| | 2010 | July 31, |
| | (Unaudited) | 2009 |
| Increase (Decrease) in Net Assets Applicable to Common Shareholders: | | |
| Operations | | |
| Net investment income | \$ 9,887,894 | \$ 19,437,721 |
| Net realized loss | (2,281,897) | (3,732,748) |
| Net change in unrealized appreciation/depreciation | 17,574,566 | (3,452,968) |
| Dividends to Preferred Shareholders from net investment income | (351,252) | (2,734,089) |
| Net increase in net assets applicable to Common Shareholders resulting from operations | 24,829,311 | 9,517,916 |
| Dividends to Common Shareholders From | | |
| Net investment income | (8,704,904) | (14,714,808) |
| Net Assets Applicable to Common Shareholders | | |
| Total increase (decrease) in net assets applicable to Common Shareholders | 16,124,407 | (5,196,892) |
| Beginning of period | 286,805,490 | 292,002,382 |
| End of period | \$302,929,897 | 286,805,490 |
| Undistributed net investment income | \$ 4,185,738 | \$ 3,354,000 |

BlackRock MuniYield Investment Fund (MYF)

| | Six Months | |
|----------------------------------------------------------------------------------------|---------------|---------------|
| | Ended | |
| | January 31, | Year Ended |
| | 2010 | July 31, |
| | (Unaudited) | 2009 |
| Increase (Decrease) in Net Assets Applicable to Common Shareholders: | | |
| Operations | | |
| Net investment income | \$ 6,401,731 | \$ 12,962,890 |
| Net realized gain (loss) | 2,480,636 | (12,407,592) |
| Net change in unrealized appreciation/depreciation | 7,485,065 | 2,135,373 |
| Dividends to Preferred Shareholders from net investment income | (171,218) | (1,840,008) |
| Net increase in net assets applicable to Common Shareholders resulting from operations | 16,196,214 | 850,663 |
| Dividends to Common Shareholders From | | |
| Net investment income | (5,226,618) | (9,555,926) |
| Net Assets Applicable to Common Shareholders | | |
| Total increase (decrease) in net assets applicable to Common Shareholders | 10,969,596 | (8,705,263) |
| Beginning of period | 175,609,803 | 184,315,066 |
| End of period | \$186,579,399 | 175,609,803 |
| Undistributed net investment income | \$ 2,891,622 | \$ 1,887,727 |

See Notes to Financial Statements.

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BlackRock MuniYield New Jersey Fund, Inc.
(MYJ)
Statements of Changes in Net Assets

| | Six Months Ended | |
|----------------------------------------------------------------------------------------|------------------------------------|--------------------------------|
| | January 31, 2010 (Unaudited) | Year Ended July 31, 2009 |
| Increase (Decrease) in Net Assets Applicable to Common Shareholders: | | |
| Operations | | |
| Net investment income | \$ 6,760,565 | \$ 13,853,962 |
| Net realized loss | (138,205) | (1,310,444) |
| Net change in unrealized appreciation/depreciation | 9,811,725 | (3,427,395) |
| Dividends to Preferred Shareholders from net investment income | (319,612) | (2,158,107) |
| Net increase in net assets applicable to Common Shareholders resulting from operations | 16,114,473 | 6,958,016 |
| Dividends to Common Shareholders From | | |
| Net investment income | (6,007,971) | (10,240,537) |
| Net Assets Applicable to Common Shareholders | | |
| Total increase (decrease) in net assets applicable to Common Shareholders | 10,106,502 | (3,282,521) |
| Beginning of period | 200,739,828 | 204,022,349 |
| End of period | \$210,846,330 | 200,739,828 |
| Undistributed net investment income | \$ 3,497,602 | \$ 3,064,620 |

See Notes to Financial Statements.

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JANUARY 31, 2010

Statements of Cash Flows

| | BlackRock MuniYield California Fund Inc. (MYC) | BlackRock MuniYield Investment Fund (MYF) |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------|
| Six Months Ended January 31, 2010 (Unaudited) | | |
| Cash Provided by (Used for) Operating Activities | | |
| Net increase in net assets resulting from operations, excluding dividends to Preferred Shareholders | \$ 25,180,563 | \$ 16,026,996 |
| Adjustments to reconcile net increase in net assets resulting from operations to net cash provided by (used for) operating activities: | | |
| (Increase) decrease in interest receivable | 378,666 | (225,330) |
| Increase (decrease) in investment advisory fees payable | (2,074) | 703 |
| Decrease in interest expense and fees payable | (170,976) | (30,436) |
| Decrease in Officers and Directors fees payable | | (109) |
| Increase in other affiliates payable | 395 | 154 |
| Decrease in other accrued expenses payable | (6,810) | (4,641) |
| Net realized and unrealized gain on investments | (15,126,478) | (10,089,091) |
| Amortization of premium and discount on investments | 261,003 | 218,830 |
| Proceeds from sales of long-term investments | 139,911,919 | 77,921,648 |
| Purchases of long-term investments | (139,016,014) | (86,125,766) |
| Net (purchases) sales of short-term securities | (2,430,456) | 2,177,048 |
| Net cash provided by (used for) operating activities | 8,979,738 | (129,994) |
| Cash Used for Financing Activities | | |
| Cash receipts from trust certificates | 1,643 | 10,814,794 |
| Cash payments for trust certificates | (4,998) | (5,590,000) |
| Cash dividends paid to Common Shareholders | (8,704,904) | (5,124,932) |
| Cash dividends paid to Preferred Shareholders | (358,000) | (172,725) |
| Cash used for financing activities | (9,066,259) | (72,863) |
| Cash | | |
| Net decrease in cash | (86,521) | (202,857) |
| Cash at beginning of period | 86,521 | 202,857 |
| Cash at end of period | | |
| Cash Flow Information | | |
| Cash paid during the period for interest | \$ 421,528 | \$ 241,720 |

A Statement of Cash Flows is presented when a Fund had a significant amount of borrowing during the period, based on the average borrowing outstanding in relation to average total assets.

See Notes to Financial Statements.

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**BlackRock Muni New York Intermediate Duration
Fund, Inc. (MNE)**
Financial Highlights

| | Six Months Ended January 31, 2010 (Unaudited) | Year Ended July 31, 2009 | Period June 1, 2008 to July 31, 2008 | Year Ended May 31, 2008 | 2007 | 2006 | 2005 |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------|-----------------------------------------------------|----------------------------|-----------------------|-----------|-----------|
| Per Share Operating Performance | | | | | | | |
| Net asset value, beginning of period | \$ 12.99 | \$ 13.51 | \$ 14.05 | \$ 14.91 | \$ 14.66 | \$ 15.05 | \$ 14.45 |
| Net investment income ¹ | 0.44 | 0.87 | 0.14 | 0.91 | 0.90 | 0.87 | 0.85 |
| Net realized and unrealized gain (loss) | 0.85 | (0.55) | (0.53) | (0.86) | 0.24 | (0.37) | 0.58 |
| Dividends to Preferred Shareholders | | | | | | | |
| from net investment income | (0.05) | (0.20) | (0.04) | (0.27) | (0.25) | (0.20) | (0.11) |
| Net increase (decrease) from investment operations | 1.24 | 0.12 | (0.43) | (0.22) | 0.89 | 0.30 | 1.32 |
| Dividends to Common Shareholders | | | | | | | |
| from net investment income | (0.33) | (0.64) | (0.11) | (0.64) | (0.64) | (0.69) | (0.72) |
| Net asset value, end of period | \$ 13.90 | \$ 12.99 | \$ 13.51 | \$ 14.05 | \$ 14.91 | \$ 14.66 | \$ 15.05 |
| Market price, end of period | \$ 12.43 | \$ 11.60 | \$ 12.12 | \$ 12.81 | \$ 13.93 | \$ 13.03 | \$ 13.44 |
| Total Investment Return² | | | | | | | |
| Based on net asset value | 9.91% ³ | 2.26% | (3.01)% ³ | (1.10)% | 6.57% | 2.52% | 9.99% |
| Based on market price | 10.07% ³ | 1.79% | (4.56)% ³ | (3.48)% | 12.02% | 2.03% | 10.97% |
| Ratios to Average Net Assets Applicable to Common Shareholders | | | | | | | |
| Total expenses ⁴ | 1.22% ⁵ | 1.33% | 1.39% ⁶ | 1.28% | 1.31% | 1.33% | 1.38% |
| Total expenses after fees waived and paid indirectly ⁴ | 1.14% ⁵ | 1.15% | 1.15% ⁶ | 1.04% | 1.08% | 1.10% | 1.15% |
| Total expenses after fees waived and paid indirectly and excluding interest expense and fees ^{4,7} | 1.13% ⁵ | 1.11% | 1.11% ⁶ | 1.04% | 1.08% | 1.10% | 1.15% |
| Net investment income ⁴ | 6.37% ⁵ | 7.01% | 6.36% ⁶ | 6.31% | 6.01% | 5.89% | 5.75% |
| Dividends to Preferred Shareholders | 0.76% ⁵ | 1.59% | 1.84% ⁶ | 1.89% | 1.66% | 1.32% | 0.77% |
| Net investment income to Common Shareholders | 5.61% ⁵ | 5.42% | 4.52% ⁶ | 4.42% | 4.35% | 4.57% | 4.98% |
| Supplemental Data | | | | | | | |
| Net assets applicable to Common Shareholders, end of period (000) | \$ 58,472 | \$ 54,642 | \$ 56,830 | \$ 59,101 | \$ 62,701 | \$ 61,672 | \$ 63,290 |
| Preferred Shares outstanding at \$25,000 liquidation preference, end of period (000) | \$ 29,625 | \$ 29,625 | \$ 29,625 | \$ 31,000 | \$ 31,000 | \$ 31,000 | \$ 31,000 |
| Portfolio turnover | 8% | 32% | 2% | 21% | 29% | 49% | 17% |
| Asset coverage, end of period per \$1,000 | \$ 2,974 ⁸ | \$ 2,844 ⁸ | \$ 2,918 ⁸ | \$ 2,906 ⁸ | \$ 3,023 ⁸ | \$ 2,989 | \$ 3,042 |

¹ Based on average shares outstanding.

² Total investment returns based on market value, which can be significantly greater or lesser than the net asset value, may result in substantially different returns. Where applicable,

total investment returns exclude the effects of sales charges and include the reinvestment of dividends and distributions.

³ Aggregate total investment return.

⁴ Do not reflect the effect of dividends to Preferred Shareholders.

⁵ Annualized.

⁶ Annualized. Certain non-recurring expenses have been included in the ratio but not annualized. If these expenses were annualized, the ratio of the total expenses, total expenses after

fees waived and paid indirectly, total expenses after fees waived and fees paid indirectly and excluding interest expense and fees, net investment income and net investment income to

Common Shareholders would have been 1.79%, 1.55%, 1.50%, 5.96% and 4.12%, respectively.

⁷ Interest expense and fees relate to tender option bond trusts. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to tender option bond trusts.

⁸ Asset coverage per Preferred Share at \$25,000 liquidation preference for the periods ended January 2010, July 2009, July 2008, May 2008 and May 2007 are \$74,350,

\$71,119, \$72,970, \$72,676 and \$75,573, respectively.

See Notes to Financial Statements.

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JANUARY 31, 2010

Financial Highlights

| | Six Months Ended January 31, 2010 (Unaudited) | Year Ended July 31, 2009 | Period November 1, Year Ended 2007 to July 31, 2008 | 2007 | 2006 | Year Ended October 31, 2005 | 2004 |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------|----------|-------------------|-----------------------------------|----------|
| Per Share Operating Performance | | | | | | | |
| Net asset value, beginning of period | \$ 12.40 | \$ 12.81 | \$ 13.96 | \$ 14.53 | \$ 14.39 | \$ 15.04 | \$ 14.64 |
| Net investment income ¹ | 0.47 | 0.95 | 0.72 | 0.95 | 0.98 | 0.97 | 0.98 |
| Net realized and unrealized gain (loss) | 0.85 | (0.47) | (1.00) | (0.46) | 0.36 | (0.49) | 0.40 |
| Dividends and distributions to Preferred Shareholders from: | | | | | | | |
| Net investment income | (0.03) | (0.19) | (0.19) | (0.29) | (0.26) | (0.14) | (0.06) |
| Net realized gain | | | (0.05) | (0.02) | (0.02) | (0.00) ² | |
| Net increase (decrease) from investment operations | 1.29 | 0.29 | (0.52) | 0.18 | 1.06 | 0.34 | 1.32 |
| Dividends and distributions to Common Shareholders from: | | | | | | | |
| Net investment income | (0.40) | (0.70) | (0.51) | (0.69) | (0.80) | (0.92) | (0.92) |
| Net realized gain | | | (0.12) | (0.06) | (0.12) | (0.02) | |
| Total dividends and distributions to Common Shareholders | (0.40) | (0.70) | (0.63) | (0.75) | (0.92) | (0.94) | (0.92) |
| Capital charges with respect to issuance of Preferred Shares | | | | | 0.00 ³ | (0.05) | |
| Net asset value, end of period | \$ 13.29 | \$ 12.40 | \$ 12.81 | \$ 13.96 | \$ 14.53 | \$ 14.39 | \$ 15.04 |
| Market price, end of period | \$ 12.78 | \$ 12.85 | \$ 13.94 | \$ 13.66 | \$ 14.79 | \$ 16.03 | \$ 15.10 |
| Total Investment Return⁴ | | | | | | | |
| Based on net asset value | 10.51% ⁵ | 3.27% | (3.79)% ⁵ | 1.29% | 7.47% | 1.91% | 9.40% |
| Based on market price | 2.55% ⁵ | (1.66)% | 6.99% ⁵ | (2.63)% | (1.80)% | 13.07% | 13.80% |
| Ratios to Average Net Assets Applicable to Common Shareholders | | | | | | | |
| Total expenses ⁶ | 1.26% ⁷ | 1.46% | 1.61% ⁷ | 1.76% | 1.71% | 1.52% | 1.40% |
| Total expenses after fees waived and paid indirectly ⁶ | 1.25% ⁷ | 1.42% | 1.59% ⁷ | 1.75% | 1.70% | 1.51% | 1.39% |
| Total expenses after fees waived and paid indirectly and excluding interest expense and fees ^{6,8} | 1.23% ⁷ | 1.36% | 1.40% ⁷ | 1.37% | 1.33% | 1.20% | 1.19% |
| Net investment income ⁶ | 7.18% ⁷ | 8.16% | 7.19% ⁷ | 6.65% | 6.90% | 6.54% | 6.65% |
| Dividends to Preferred Shareholders | 0.45% ⁷ | 1.61% | 1.94% ⁷ | 2.04% | 1.83% | 0.91% | 0.42% |
| Net investment income to Common Shareholders | 6.73% ⁷ | 6.55% | 5.25% ⁷ | 4.61% | 5.07% | 5.63% | 6.23% |

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Supplemental Data

| | | | | | | | |
|------------------------------------------------|-----------|-----------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Net assets applicable to Common Shareholders, | | | | | | | |
| end of period (000) | \$ 60,574 | \$ 56,449 | \$ 58,218 | \$ 63,228 | \$ 65,611 | \$ 64,630 | \$ 67,217 |
| Preferred Shares outstanding at \$25,000 | | | | | | | |
| liquidation preference, end of period (000) | \$ 38,800 | \$ 38,800 | \$ 40,300 | \$ 40,300 | \$ 40,300 | \$ 40,300 | \$ 30,300 |
| Portfolio turnover | 6% | 39% | 13% | 31% | 31% | 28% | 21% |
| Asset coverage per Preferred Share at \$25,000 | | | | | | | |
| liquidation preference, end of period | \$ 64,032 | \$ 61,375 | \$ 61,122 ⁹ | \$ 64,232 ⁹ | \$ 65,708 ⁹ | \$ 65,098 ⁹ | \$ 80,464 ⁹ |

¹ Based on average shares outstanding.

² Amount is less than \$(0.01) per share.

³ Amount is less than \$0.01 per share.

⁴ Total investment returns based on market value, which can be significantly greater or lesser than the net asset value, may result in substantially different returns. Where applicable,

total investment returns exclude the effects of sales charges and include the reinvestment of dividends and distributions.

⁵ Aggregate total investment return.

⁶ Do not reflect the effect of dividends to Preferred Shareholders.

⁷ Annualized.

⁸ Interest expense and fees relate to tender option bond trusts. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to tender option bond trusts.

⁹ Amounts have been recalculated to conform with current period presentation.

See Notes to Financial Statements.

SEMI-ANNUAL REPORT

JANUARY 31, 2010

Financial Highlights

| | Six Months Ended January 31, 2010 (Unaudited) | Year Ended July 31, 2009 | Period November 1, Year Ended 2007 to July 31, 2008 | Year Ended October 31, 2007 | 2006 | 2005 | 2004 |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------|-----------------------------------|-------------------|------------|------------|
| Per Share Operating Performance | | | | | | | |
| Net asset value, beginning of period | \$ 13.47 | \$ 13.71 | \$ 14.60 | \$ 15.11 | \$ 14.73 | \$ 15.27 | \$ 15.17 |
| Net investment income ¹ | 0.46 | 0.91 | 0.69 | 0.93 | 0.96 | 0.93 | 1.02 |
| Net realized and unrealized gain (loss) | 0.73 | (0.33) | (0.88) | (0.49) | 0.37 | (0.46) | 0.12 |
| Dividends to Preferred Shareholders | | | | | | | |
| from net investment income | (0.02) | (0.13) | (0.20) | (0.29) | (0.25) | (0.13) | (0.07) |
| Net increase (decrease) from investment operations | 1.17 | 0.45 | (0.39) | 0.15 | 1.08 | 0.34 | 1.07 |
| Dividends to Common Shareholders | | | | | | | |
| from net investment income | (0.41) | (0.69) | (0.50) | (0.66) | (0.70) | (0.86) | (0.97) |
| Capital charges with respect to issuance of Preferred Shares | | | | | 0.00 ² | (0.02) | |
| Net asset value, end of period | \$ 14.23 | \$ 13.47 | \$ 13.71 | \$ 14.60 | \$ 15.11 | \$ 14.73 | \$ 15.27 |
| Market price, end of period | \$ 12.75 | \$ 12.44 | \$ 13.07 | \$ 13.25 | \$ 14.00 | \$ 13.37 | \$ 14.43 |
| Total Investment Return³ | | | | | | | |
| Based on net asset value | 8.98% ⁴ | 4.64% | (2.55)% ⁴ | 1.36% | 8.03% | 2.59% | 7.74% |
| Based on market price | 5.73% ⁴ | 1.37% | 2.37% ⁴ | (0.72)% | 10.28% | (1.46)% | 9.16% |
| Ratios to Average Net Assets Applicable to Common Shareholders | | | | | | | |
| Total expenses ⁵ | 1.17% ⁶ | 1.49% | 1.49% ⁶ | 1.77% | 1.52% | 1.13% | 1.12% |
| Total expenses after fees waived ⁵ | 1.16% ⁶ | 1.47% | 1.45% ⁶ | 1.75% | 1.51% | 1.13% | 1.12% |
| Total expenses after fees waived and excluding interest expense and fees ^{5,7} | 1.00% ⁶ | 1.08% | 1.06% ⁶ | 1.06% | 1.06% | 0.98% | 0.96% |
| Net investment income ⁵ | 6.52% ⁶ | 7.07% | 6.24% ⁶ | 6.29% | 6.51% | 6.16% | 6.79% |
| Dividends to Preferred Shareholders | 0.23% ⁶ | 0.99% | 1.83% ⁶ | 1.93% | 1.70% | 0.84% | 0.44% |
| Net investment income to Common Shareholders | 6.29% ⁶ | 6.08% | 4.41% ⁶ | 4.36% | 4.81% | 5.32% | 6.35% |
| Supplemental Data | | | | | | | |
| Net assets applicable to Common Shareholders, | | | | | | | |
| end of period (000) | \$ 302,930 | \$ 286,805 | \$ 292,002 | \$ 310,934 | \$ 321,701 | \$ 313,708 | \$ 325,204 |
| Preferred Shares outstanding at \$25,000 | | | | | | | |
| liquidation preference, end of period (000) | \$ 105,950 | \$ 105,950 | \$ 126,500 | \$ 175,000 | \$ 175,000 | \$ 175,000 | \$ 140,000 |
| Portfolio turnover | 30% | 38% | 30% | 41% | 39% | 53% | 29% |

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Asset coverage per Preferred Share at
\$25,000

| | | | | | | | |
|---------------------------------------|-----------|-----------|------------------------|------------------------|------------------------|------------------------|------------------------|
| liquidation preference, end of period | \$ 96,482 | \$ 92,679 | \$ 82,724 ⁸ | \$ 69,452 ⁸ | \$ 70,985 ⁸ | \$ 69,818 ⁸ | \$ 83,072 ⁸ |
|---------------------------------------|-----------|-----------|------------------------|------------------------|------------------------|------------------------|------------------------|

¹ Based on average shares outstanding.

² Amount is less than \$0.01 per share.

³ Total investment returns based on market value, which can be significantly greater or lesser than the net asset value, may result in substantially different returns. Where applicable, total investment returns exclude the effects of sales charges and include the reinvestment of dividends and distributions.

⁴ Aggregate total investment return.

⁵ Do not reflect the effect of dividends to Preferred Shareholders.

⁶ Annualized.

⁷ Interest expense and fees relate to tender option bond trusts. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to tender option bond trusts.

⁸ Amounts have been recalculated to conform with current period presentation.

See Notes to Financial Statements.

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JANUARY 31, 2010

Financial Highlights

BlackRock MuniYield Investment Fund
(MYF)

| | Six Months Ended January 31, 2010 (Unaudited) | Year Ended July 31, 2009 | Period November 1, Year Ended 2007 to July 31, 2008 | 2007 | Year Ended October 31, 2006 2005 2004 | | |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------|------------|---------------------------------------------------|------------|------------|
| Per Share Operating Performance | | | | | | | |
| Net asset value, beginning of period | \$ 12.95 | \$ 13.59 | \$ 14.53 | \$ 15.11 | \$ 14.91 | \$ 15.27 | \$ 14.97 |
| Net investment income ¹ | 0.47 | 0.96 | 0.73 | 0.99 | 0.99 | 0.98 | 1.00 |
| Net realized and unrealized gain (loss) | 0.74 | (0.77) | (0.94) | (0.57) | 0.28 | (0.26) | 0.29 |
| Dividends to Preferred Shareholders | | | | | | | |
| from net investment income | (0.01) | (0.13) | (0.21) | (0.30) | (0.26) | (0.14) | (0.07) |
| Net increase (decrease) from investment operations | 1.20 | 0.06 | (0.42) | 0.12 | 1.01 | 0.58 | 1.22 |
| Dividends to Common Shareholders | | | | | | | |
| from net investment income | (0.39) | (0.70) | (0.52) | (0.70) | (0.81) | (0.92) | (0.92) |
| Capital charges with respect to issuance of Preferred Shares | | | | | (0.00) ² | (0.02) | |
| Net asset value, end of period | \$ 13.76 | \$ 12.95 | \$ 13.59 | \$ 14.53 | \$ 15.11 | \$ 14.91 | \$ 15.27 |
| Market price, end of period | \$ 12.88 | \$ 11.72 | \$ 11.91 | \$ 12.86 | \$ 14.35 | \$ 14.93 | \$ 14.28 |
| Total Investment Return³ | | | | | | | |
| Based on net asset value | 9.52% ⁴ | 1.93% | (2.52)% ⁴ | 1.21% | 7.24% | 3.98% | 8.99% |
| Based on market price | 13.27% ⁴ | 5.26% | (3.48)% ⁴ | (5.68)% | 1.71% | 11.34% | 10.57% |
| Ratios to Average Net Assets Applicable to Common Shareholders | | | | | | | |
| Total expenses ⁵ | 1.27% ⁶ | 1.35% | 1.42% ⁶ | 1.47% | 1.44% | 1.25% | 1.19% |
| Total expenses after fees waived ⁵ | 1.26% ⁶ | 1.34% | 1.40% ⁶ | 1.46% | 1.42% | 1.25% | 1.18% |
| Total expenses after fees waived and excluding interest expense and fees ^{5,7} | 1.04% ⁶ | 1.12% | 1.10% ⁶ | 1.10% | 1.09% | 1.05% | 1.03% |
| Net investment income ⁵ | 6.93% ⁶ | 7.66% | 6.77% ⁶ | 6.72% | 6.63% | 6.46% | 6.67% |
| Dividends to Preferred Shareholders | 0.19% ⁶ | 1.09% | 1.92% ⁶ | 2.01% | 1.75% | 0.95% | 0.48% |
| Net investment income to Common Shareholders | 6.74% ⁶ | 6.57% | 4.85% ⁶ | 4.71% | 4.88% | 5.51% | 6.19% |
| Supplemental Data | | | | | | | |
| Net assets applicable to Common Shareholders, end of period (000) | \$ 186,579 | \$ 175,610 | \$ 184,315 | \$ 197,014 | \$ 204,865 | \$ 202,042 | \$ 206,895 |
| Preferred Shares outstanding at \$25,000 liquidation preference, end of period (000) | \$ 59,475 | \$ 59,475 | \$ 90,825 | \$ 110,000 | \$ 110,000 | \$ 110,000 | \$ 95,000 |
| Portfolio turnover | 28% | 63% | 22% | 25% | 46% | 42% | 33% |
| Asset coverage per Preferred Share at \$25,000 | | | | | | | |

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| | | | | | | | |
|---------------------------------------|------------|-----------|------------------------|------------------------|------------------------|------------------------|------------------------|
| liquidation preference, end of period | \$ 103,429 | \$ 98,819 | \$ 75,742 ⁸ | \$ 69,790 ⁸ | \$ 71,574 ⁸ | \$ 70,920 ⁸ | \$ 79,446 ⁸ |
|---------------------------------------|------------|-----------|------------------------|------------------------|------------------------|------------------------|------------------------|

¹ Based on average shares outstanding.

² Amount is less than \$(0.01) per share.

³ Total investment returns based on market value, which can be significantly greater or lesser than the net asset value, may result in substantially different returns. Where applicable,

total investment returns exclude the effects of sales charges and include the reinvestment of dividends and distributions.

⁴ Aggregate total investment return.

⁵ Do not reflect the effect of dividends to Preferred Shareholders.

⁶ Annualized.

⁷ Interest expense and fees relate to tender option bond trusts. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to tender option

bond trusts.

⁸ Amounts have been recalculated to conform with current period presentation.

See Notes to Financial Statements.

SEMI-ANNUAL REPORT

JANUARY 31, 2010

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Financial Highlights

| | Six Months Ended January 31, 2010 (Unaudited) | Year Ended July 31, 2009 | Period December 1, Year Ended 2007 to July 31, 2008 | 2007 | 2006 | Year Ended November 30, 2005 | 2004 |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------|------------|------------|------------------------------------|------------|
| Per Share Operating Performance | | | | | | | |
| Net asset value, beginning of period | \$ 14.13 | \$ 14.36 | \$ 15.18 | \$ 15.90 | \$ 15.37 | \$ 15.25 | \$ 15.39 |
| Net investment income ¹ | 0.48 | 0.98 | 0.62 | 1.01 | 1.00 | 1.01 | 1.06 |
| Net realized and unrealized gain (loss) | 0.67 | (0.34) | (0.79) | (0.74) | 0.54 | 0.18 | (0.14) |
| Dividends to Preferred Shareholders | | | | | | | |
| from net investment income | (0.02) | (0.15) | (0.18) | (0.29) | (0.25) | (0.16) | (0.08) |
| Net increase (decrease) from investment operations | 1.13 | 0.49 | (0.35) | (0.02) | 1.29 | 1.03 | 0.84 |
| Dividends to Common Shareholders | | | | | | | |
| from net investment income | (0.42) | (0.72) | (0.47) | (0.70) | (0.76) | (0.91) | (0.96) |
| Capital charges with respect to issuance of Preferred Shares | | | | | | (0.00) ² | (0.02) |
| Net asset value, end of period | \$ 14.84 | \$ 14.13 | \$ 14.36 | \$ 15.18 | \$ 15.90 | \$ 15.37 | \$ 15.25 |
| Market price, end of period | \$ 14.07 | \$ 13.49 | \$ 13.52 | \$ 13.66 | \$ 15.47 | \$ 14.38 | \$ 14.73 |
| Total Investment Return³ | | | | | | | |
| Based on net asset value | 8.19% ⁴ | 4.50% | (2.17)% ⁴ | 0.11% | 8.83% | 7.08% | 5.84% |
| Based on market price | 7.44% ⁴ | 5.96% | 2.35% ⁴ | (7.41)% | 13.17% | 3.72% | 9.72% |
| Ratios to Average Net Assets Applicable to Common Shareholders | | | | | | | |
| Total expenses ⁵ | 1.01% ⁶ | 1.15% | 1.22% ⁶ | 1.28% | 1.44% | 1.39% | 1.25% |
| Total expenses after fees waived ⁵ | 1.01% ⁶ | 1.14% | 1.20% ⁶ | 1.27% | 1.44% | 1.39% | 1.24% |
| Total expenses after fees waived and excluding interest expense and fees ^{5,7} | 0.98% ⁶ | 1.05% | 1.13% ⁶ | 1.10% | 1.09% | 1.09% | 1.02% |
| Net investment income ⁵ | 6.45% ⁶ | 7.21% | 6.27% ⁶ | 6.56% | 6.50% | 6.47% | 6.94% |
| Dividends to Preferred Shareholders | 0.30% ⁶ | 1.12% | 1.85% ⁶ | 1.85% | 1.65% | 1.05% | 0.50% |
| Net investment income to Common Shareholders | 6.15% ⁶ | 6.09% | 4.42% ⁶ | 4.71% | 4.85% | 5.42% | 6.44% |
| Supplemental Data | | | | | | | |
| Net assets applicable to Common Shareholders, end of period (000) | \$ 210,846 | \$ 200,740 | \$ 204,022 | \$ 215,585 | \$ 225,855 | \$ 218,250 | \$ 216,618 |
| Preferred Shares outstanding at \$25,000 liquidation preference, end of period (000) | \$ 102,200 | \$ 102,200 | \$ 104,725 | \$ 119,000 | \$ 119,000 | \$ 119,000 | \$ 119,000 |
| Portfolio turnover | 5% | 21% | 11% | 18% | 9% | 32% | 14% |
| Asset coverage per Preferred Share at \$25,000 | | | | | | | |

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| | | | | | | | |
|---------------------------------------|-----------|-----------|------------------------|------------------------|------------------------|------------------------|------------------------|
| liquidation preference, end of period | \$ 76,579 | \$ 74,107 | \$ 73,709 ⁸ | \$ 70,305 ⁸ | \$ 72,452 ⁸ | \$ 70,858 ⁸ | \$ 70,514 ⁸ |
|---------------------------------------|-----------|-----------|------------------------|------------------------|------------------------|------------------------|------------------------|

¹ Based on average shares outstanding.

² Amount is less than \$(0.01) per share.

³ Total investment returns based on market value, which can be significantly greater or lesser than the net asset value, may result in substantially different returns. Where applicable,

total investment returns exclude the effects of sales charges and include the reinvestment of dividends and distributions.

⁴ Aggregate total investment return.

⁵ Do not reflect effect of dividends to Preferred Shareholders.

⁶ Annualized.

⁷ Interest expense and fees relate to tender option bond trusts. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to tender option bond trusts.

⁸ Amounts have been recalculated to conform with current period presentation.

See Notes to Financial Statements.

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JANUARY 31, 2010

Notes to Financial Statements (Unaudited)

1. Organization and Significant Accounting Policies:

BlackRock Muni New York Intermediate Duration Fund, Inc. (MNE), BlackRock MuniYield Arizona Fund, Inc. (MZA), BlackRock MuniYield California Fund, Inc. (MYC), BlackRock MuniYield Investment Fund (MYF) and BlackRock MuniYield New Jersey Fund, Inc. (MYJ) (collectively, the Funds or individually as the Fund) are registered under the Investment Company Act of 1940, as amended (the 1940 Act), as non-diversified, closed-end management investment companies. MNE, MZA, MYC and MYJ are organized as Maryland corporations. MYF is organized as a Massachusetts business trust. The Funds financial statements are prepared in conformity with accounting principles generally accepted in the United States of America, which may require the use of management accruals and estimates. Actual results may differ from these estimates. The Boards of Directors and the Boards of Trustees of the Funds are referred to throughout this report as the Board of Directors or the Board . The Funds determine, and make available for publication the net asset value of their Common Shares on a daily basis.

The following is a summary of significant accounting policies followed by the Funds:

Valuation: The Funds policy is to fair value their financial instruments at market value. Municipal investments (including commitments to purchase such investments on a when-issued basis) are valued on the basis of prices provided by dealers or pricing services selected under the supervision of each Fund s Board. In determining the value of a particular investment, pricing services may use certain information with respect to transactions in such investments, quotations from dealers, pricing matrixes, market transactions in comparable investments and information with respect to various relationships between investments. Financial futures contracts traded on exchanges are valued at their last sale price. Short-term securities with remaining maturities of 60 days or less may be valued at amortized cost, which approximates fair value. Investments in open-end investment companies are valued at net asset value each business day.

In the event that application of these methods of valuation results in a price for an investment which is deemed not to be representative of the market value of such investment or is not available, the investment will be valued by a method approved by each Fund s Board as reflecting fair value. When determining the price for such investments, the investment advisor and/or the sub-advisor seeks to determine the price that each Fund might reasonably expect to receive from the current sale of that asset in an arm s-length transaction. Fair value determinations shall be based upon all available factors that the investment advisor and/or sub-advisor deems relevant.

Forward Commitments and When-Issued Delayed Delivery Securities:

Each Fund may purchase securities on a when-issued basis and may purchase or sell securities on a forward commitment basis. Settlement of such transactions normally occurs within a month or more after the purchase or sale commitment is made. The Funds may purchase securities under such conditions with the intention of actually acquiring them, but may enter into a separate agreement to sell the securities before the settlement date.

Since the value of securities purchased may fluctuate prior to settlement, the Funds may be required to pay more at settlement than the security is worth. In addition, the purchaser is not entitled to any of the interest earned prior to settlement. When purchasing a security on a delayed delivery basis, the Funds assume the rights and risks of ownership of the security, including the risk of price and yield fluctuations. In the event of default by the counterparty, the Funds' maximum amount of loss is the unrealized gain of the commitment, which is shown on the Schedules of Investments, if any.

Municipal Bonds Transferred to Tender Option Bond Trusts: The Funds leverage their assets through the use of tender option bond trusts (TOBs). A TOB is established by a third party sponsor forming a special purpose entity, into which one or more funds, or an agent on behalf of the funds, transfers municipal bonds. Other funds managed by the investment advisor may also contribute municipal bonds to a TOB into which a Fund has contributed bonds. A TOB typically issues two classes of beneficial interests: short-term floating rate certificates, which are sold to third party investors, and residual certificates (TOB Residuals), which are generally issued to the participating funds that made the transfer. The TOB Residuals held by a Fund include the right of the Fund (1) to cause the holders of a proportional share of the floating rate certificates to tender their certificates at par, and (2) to transfer, within seven days, a corresponding share of the municipal bonds from the TOB to the Funds. The TOB may also be terminated without the consent of the Fund upon the occurrence of certain events as defined in the TOB agreements. Such termination events may include the bankruptcy or default of the municipal bond, a substantial downgrade in credit quality of the municipal bond, the inability of the TOB to obtain quarterly or annual renewal of the liquidity support agreement, a substantial decline in market value of the municipal bond or the inability to remarket the short-term floating rate certificates to third party investors.

The cash received by the TOB from the sale of the short-term floating rate certificates, less transaction expenses, is paid to the Fund, which typically invests the cash in additional municipal bonds. Each Fund's transfer of the municipal bonds to a TOB is accounted for as a secured borrowing, therefore the municipal bonds deposited into a TOB are presented in the Funds Schedules of Investments and the proceeds from the issuance of the short-term floating rate certificates are shown as trust certificates in the Statements of Assets and Liabilities.

Interest income from the underlying security is recorded by the Funds on an accrual basis. Interest expense incurred on the secured borrowing and other expenses related to remarketing, administration and trustee services

to a TOB are reported as expenses of the Funds. The floating rate certificates have interest rates that generally reset weekly and their holders have the option to tender certificates to the TOB for redemption at par at each reset date. At January 31, 2010, the aggregate value of the underlying municipal bonds transferred to TOBs, the related liability for trust certificates and the range of interest rates on the liability for trust certificates were as follows:

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JANUARY 31, 2010

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Notes to Financial Statements (continued)

| | Underlying Municipal | | |
|-----|------------------------------------------|-------------------------------------------------|----------------------------------------|
| | Bonds Transferred to TOBs | Liability for Trust Certificates | Range of Interest Rates |
| MNE | \$ 823,672 | \$ 375,000 | 0.23% |
| MZA | \$ 3,100,080 | \$ 1,500,000 | 0.25% |
| MYC | \$135,813,746 | \$74,379,365 | 0.19% 0.34% |
| MYF | \$105,215,803 | \$56,022,374 | 0.21% 0.69% |
| MYJ | \$ 10,678,700 | \$ 6,603,701 | 0.32% |

For the six months ended January 31, 2010, the Funds' average trust certificates outstanding and the daily weighted average interest rate, including fees, were as follows:

| | Average Trust Certificates Outstanding | Daily Weighted Average Interest Rate |
|-----|-------------------------------------------------------|-----------------------------------------------------|
| MNE | \$ 624,643 | 0.38% |
| MZA | \$ 1,500,000 | 0.40% |
| MYC | \$74,376,250 | 0.68% |
| MYF | \$54,502,606 | 0.78% |
| MYJ | \$ 6,603,701 | 0.73% |

Should short-term interest rates rise, the Funds' investments in TOBs may adversely affect the Funds' investment income and distributions to Common Shareholders. Also, fluctuations in the market value of municipal bonds deposited into the TOB may adversely affect the Funds' net asset value per share.

Zero-Coupon Bonds: Each Fund may invest in zero-coupon bonds, which are normally issued at a significant discount from face value and do not provide for periodic interest payments. Zero-coupon bonds may experience greater volatility in market value than similar maturity debt obligations which provide for regular interest payments.

Segregation and Collateralization: In cases in which the 1940 Act and the interpretive positions of the Securities and Exchange Commission (SEC) require that the Funds either deliver collateral or segregate assets in connection with certain investments (e.g., financial futures contracts), each Fund will, consistent with SEC rules and/or certain interpretive letters issued by the SEC, segregate collateral or designate on its books and

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records cash or other liquid securities having a market value at least equal to the amount that would otherwise be required to be physically segregated. Furthermore, based on requirements and agreements with certain exchanges and third party broker-dealers, each party has requirements to deliver/deposit securities as collateral for certain investments.

Investment Transactions and Investment Income: For financial reporting purposes, investment transactions are recorded on the dates the transactions are entered into (the trade dates). Realized gains and losses on investment transactions are determined on the identified cost basis. Interest income is recognized on the accrual basis. Each Fund amortizes all premiums and discounts on debt securities.

Dividends and Distributions: Dividends from net investment income are declared and paid monthly. Distributions of capital gains are recorded on

the ex-dividend dates. Dividends and distributions to Preferred Shareholders are accrued and determined as described in Note 6.

Income Taxes: It is each Fund's policy to comply with the requirements of the Internal Revenue Code applicable to regulated investment companies and to distribute substantially all of its taxable income to its shareholders. Therefore, no federal income tax provision is required.

Each Fund files US federal and various state and local tax returns. No income tax returns are currently under examination. The statute of limitations on the Funds' US federal tax returns remains open for each of the four periods ended as follows:

| | Year Ended | Period | Year Ended | Year Ended |
|-----|-------------------|-----------------------------------------|----------------------|----------------------|
| MNE | July 31, 2009 | June 1, 2008 to July 31, 2008 | May 31, 2008 | May 31, 2007 |
| MZA | July 31, 2009 | November 1, 2008 to July 31, 2008 | October 31, 2007 | October 31, 2006 |
| MYC | July 31, 2009 | November 1, 2008 to July 31, 2008 | October 31, 2007 | October 31, 2006 |
| MYF | July 31, 2009 | November 1, 2008 to July 31, 2008 | October 31, 2007 | October 31, 2006 |
| MYJ | July 31, 2009 | December 1, 2008 to July 31, 2008 | November 30, 2007 | November 30, 2006 |

The statutes of limitations on the Funds' state and local tax returns may remain open for an additional year depending upon the jurisdiction.

Recent Accounting Standards: In June 2009, amended guidance was issued by the Financial Accounting Standards Board (FASB) for transfers of financial assets. This guidance is intended to improve the relevance, representational faithfulness and comparability of the information that a reporting entity provides in its financial statements about a transfer of financial assets; the effects of a transfer on its financial position, financial performance, and cash flows; and a transferor's continuing involvement, if any, in transferred financial assets. The amended guidance is effective for financial statements for fiscal years and interim periods beginning after November 15, 2009. Earlier application is prohibited. The recognition and measurement provisions of this guidance must be applied to transfers occurring on or after the effective date. Additionally, the enhanced disclosure provisions of the amended guidance should be applied to transfers that occurred both before and after the effective date of this guidance. The impact of this guidance on the Funds' financial statements and disclosures, if any, is currently being assessed.

In January 2010, the FASB issued amended guidance to improve disclosure about fair value measurements which will require additional disclosures about transfers into and out of Levels 1 and 2 and separate disclosures about purchases, sales, issuances and settlements in the reconciliation for fair value measurements using significant unobservable inputs (Level 3). It also clarifies existing disclosure requirements relating to the levels of disaggregation for fair value measurement and inputs and valuation techniques used to measure fair value. The amended guidance is effective for financial

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JANUARY 31, 2010

Notes to Financial Statements (continued)

statements for fiscal years and interim periods beginning after December 15, 2009 except for disclosures about purchases, sales, issuances and settlements in the rollforward of activity in Level 3 fair value measurements, which are effective for fiscal years beginning after December 15, 2010 and for interim periods within those fiscal years. The impact of this guidance on the Funds' financial statements and disclosures is currently being assessed.

Deferred Compensation and BlackRock Closed-End Share Equivalent Investment Plan: Under the deferred compensation plan approved by each Fund's Board, non-interested Directors (Independent Directors) may defer a portion of their annual complex-wide compensation. Deferred amounts earn an approximate return as though equivalent dollar amounts had been invested in common shares of other certain BlackRock Closed-End Funds selected by the Independent Directors. This has approximately the same economic effect for the Independent Directors as if the Independent Directors had invested the deferred amounts directly in other certain BlackRock Closed-End Funds.

The deferred compensation plan is not funded and obligations there under represent general unsecured claims against the general assets of each Fund. Each Fund may, however, elect to invest in common shares of other certain BlackRock Closed-End Funds selected by the Independent Directors in order to match its deferred compensation obligations. Investments to cover each Fund's deferred compensation liability, if any, are included in other assets in the Statements of Assets and Liabilities. Dividends and distributions from the BlackRock Closed-End Funds investments under the plan are included in income affiliated in the Statements of Operations.

Other: Expenses directly related to a Fund are charged to that Fund. Other operating expenses shared by several funds are pro rated among those funds on the basis of relative net assets or other appropriate methods. Each Fund has an arrangement with its custodian whereby fees may be reduced by credits earned on uninvested cash balances, which if applicable are shown as fees paid indirectly in the Statements of Operations. The custodians impose fees on overdrawn cash balances, which can be offset by accumulated credits earned or may result in additional custody charges.

2. Derivative Financial Instruments:

The Funds may engage in various portfolio investment strategies both to increase the return of the Funds and to economically hedge, or protect, exposure to certain risks such as interest rate risk. Losses may arise if the value of the contract decreases due to an unfavorable change in the price of the underlying instrument or if the counterparty does not perform under the contract. To the extent amounts due to the Fund from its counterparties are not fully collateralized contractually or otherwise, the Fund bears the risk of loss from counterparty non-performance. See Note 1 Segregation

and Collateralization for information with respect to collateral practices. Counterparty risk related to exchange-traded financial futures contracts is minimal because of the protection against default provided by the exchanges on which they trade.

Financial Futures Contracts: The Funds may purchase or sell financial futures contracts and options on financial futures contracts to gain exposure to, or economically hedge against, changes in interest rates (interest

rate risk). Financial futures contracts are contracts for delayed delivery of securities at a specific future date and at a specific price or yield. Pursuant to the contract, the Funds agree to receive from or pay to the broker an amount of cash equal to the daily fluctuation in value of the contract. Such receipts or payments are known as margin variation and are recognized by the Funds as unrealized gains or losses. When the contract is closed, the Funds record a realized gain or loss equal to the difference between the value of the contract at the time it was opened and the value at the time it was closed. The use of financial futures transactions involves the risk of an imperfect correlation in the movements in the price of financial futures contracts, interest rates and the underlying assets.

Derivative Instruments Categorized by Risk Exposure:

**The Effect of Derivative Instruments on the Statements of Operations
Six Months Ended January 31, 2010***

| | Net Realized Gain from | | | | |
|--------------------------|------------------------|----------|----------|-----------|----------|
| | MNE | MZA | MYC | MYF | MYJ |
| Interest rate contracts: | | | | | |
| Financial futures | | | | | |
| contracts | \$ 3,982 | \$ 3,983 | \$ 8,960 | \$ 12,943 | \$ 9,956 |

* As of January 31, 2010, there were no financial futures contracts outstanding. During the six months ended January 31, 2010, the Funds had limited activity in these transactions.

**3. Investment Advisory Agreement and Other Transactions
with Affiliates:**

The PNC Financial Services Group, Inc. ("PNC"), Bank of America Corporation ("BAC") and Barclays Bank PLC ("Barclays") are the largest stockholders of BlackRock, Inc. ("BlackRock"). Due to the ownership structure, PNC is an affiliate for 1940 Act purposes, but BAC and Barclays are not.

Each Fund entered into an Investment Advisory Agreement with BlackRock Advisors, LLC (the Manager), the Funds investment advisor, an indirect, wholly owned subsidiary of BlackRock, to provide investment advisory and

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administration services.

The Manager is responsible for the management of each Fund's portfolio and provides the necessary personnel, facilities, equipment and certain other services necessary to the operations of each Fund. For such services, each Fund pays the Manager a monthly fee of the Fund's average daily net assets at the following annual rates:

| | |
|-----|-------|
| MNE | 0.55% |
| MZA | 0.50% |
| MYC | 0.50% |
| MYF | 0.50% |
| MYJ | 0.50% |

The Manager has contractually agreed to waive a portion of its fee during the first seven years of MNE's operations ending July 2010 as follows:

| | Fee Waiver (As a Percentage of Average Daily Net Assets) |
|------------------------------|-----------------------------------------------------------------|
| Year 7 through July 31, 2010 | 0.05% |

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Notes to Financial Statements (continued)

The Manager has not agreed to waive any portion of its fee beyond July 31, 2010.

Such waivers are included in fees waived by advisor on the Statements of Operations:

| | Fees Waived by Manager |
|-----|-----------------------------------|
| MNE | \$21,949 |

The Manager has voluntarily agreed to waive its advisory fees by the amount of investment advisory fees each Fund pays to the Manager indirectly through its investment in affiliated money market funds, however the Manager does not waive its advisory fees by the amount of investment advisory fees through its investment in other affiliated investment companies. These amounts are included in fees waived by advisor in the Statements of Operations. For the six months ended January 31, 2010 the amounts waived were as follows:

| | Amount |
|-----|---------------|
| MNE | \$ 849 |
| MZA | \$ 2,619 |
| MYC | \$11,467 |
| MYF | \$ 3,608 |
| MYJ | \$ 9,010 |

The Manager has entered into a separate sub-advisory agreement with BlackRock Investment Management, LLC (BIM), an affiliate of the Manager, under which the Manager pays BIM for services it provides, a monthly fee that is a percentage of the investment advisory fee paid by each Fund to the Manager.

For the six months ended January 31, 2010, the Funds reimbursed the Manager for certain accounting services, which are included in accounting services in the Statements of Operations.

| | Reimbursement |
|-----|----------------------|
| MNE | \$ 862 |
| MZA | \$ 973 |
| MYC | \$4,921 |
| MYF | \$3,047 |
| MYJ | \$3,005 |

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Certain officers and/or directors of the Funds are officers and/or directors of BlackRock or its affiliates. The Funds reimburse the Manager for compensation paid to the Funds' Chief Compliance Officer.

4. Investments:

Purchases and sales of investments, excluding short-term securities, for the six months ended January 31, 2010 were as follows:

| | Purchases | Sales |
|-----|------------------|---------------|
| MNE | \$ 6,783,692 | \$ 7,192,170 |
| MZA | \$ 7,308,181 | \$ 5,999,430 |
| MYC | \$152,206,427 | \$141,851,887 |
| MYF | \$ 93,320,573 | \$ 81,329,267 |
| MYJ | \$ 13,965,391 | \$ 21,908,159 |

5. Concentration, Market and Credit Risk:

MNE, MZA, MYC and MYJ invest a substantial amount of their assets in issuers located in a single state or limited number of states. Please see the Schedules of Investments for concentrations in specific states.

Many municipalities insure repayment of their bonds, which may reduce the potential for loss due to credit risk. The market value of these bonds may fluctuate for other reasons, including market perception of the value of such insurance, and there is no guarantee that the insurer will meet its obligation.

In the normal course of business, the Funds invest in securities and enter into transactions where risks exist due to fluctuations in the market (market risk) or failure of the issuer of a security to meet all its obligations (credit risk). The value of securities held by the Funds may decline in response to certain events, including those directly involving the issuers whose securities are owned by the Funds; conditions affecting the general economy; overall market changes; local, regional or global political, social or economic instability; and currency and interest rate and price fluctuations. Similar to credit risk, the Funds may be exposed to counterparty risk, or the risk that an entity with which the Funds have unsettled or open transactions may default. Financial assets, which potentially expose the Funds to credit and counterparty risks, consist principally of investments and cash due from counterparties. The extent of the Funds' exposure to credit and counterparty risks with respect to these financial assets is generally approximated by their value recorded in the Funds' Statements of Assets and Liabilities, less any collateral held by the Funds.

6. Capital Share Transactions:

Each Fund is authorized to issue 200 million shares (MYF is authorized to issue an unlimited amount of shares par value \$0.10 per share) including Preferred Shares, all of which were initially classified as Common Shares. Each Fund's Board is authorized, however, to reclassify any unissued shares of Common Shares without approval of Common Shareholders.

Common Shares

Shares issued and outstanding for MZA for the six months ended January 31, 2010 and the year ended July 31, 2009 increased by 6,655 and 7,393, respectively, as a result of dividend reinvestment.

Shares issued and outstanding remained constant for MNE, MYC, MYF and MYJ during the six months ended January 31, 2010 and the year ended July 31, 2009.

Preferred Shares

The Preferred Shares are redeemable at the option of each Fund, in whole or in part, on any dividend payment date at their liquidation preference per share plus any accumulated and unpaid dividends whether or not declared. The Preferred Shares are also subject to mandatory redemption at their liquidation preference plus any accumulated and unpaid dividends, whether or not declared, if certain requirements relating to the composition

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Notes to Financial Statements (continued)

of the assets and liabilities of a Fund, as set forth in each Fund's Articles Supplementary/Statement of Preferences/Certificate of Designation (the Governing Instrument) are not satisfied.

From time to time in the future, each Fund that has issued Preferred Shares may effect repurchases of such shares at prices below their liquidation preference as agreed upon by the Fund and seller. Each Fund also may redeem such shares from time to time as provided in the applicable Governing Instrument. Each Fund intends to effect such redemptions and/or repurchases to the extent necessary to maintain applicable asset coverage requirements or for such other reasons as the Board may determine.

The holders of Preferred Shares have voting rights equal to the holders of Common Shares (one vote per share) and will vote together with the holders of Common Shares (one vote per share) as a single class. However, the holders of Preferred Shares, voting as a separate class, are also entitled to elect two Directors for each Fund. In addition, the 1940 Act requires that along with approval by shareholders that might otherwise be required, the approval of the holders of a majority of any outstanding Preferred Shares, voting separately as a class would be required to (a) adopt any plan of reorganization that would adversely affect the Preferred Shares, (b) change a Fund's sub-classification as a closed-end investment company or change its fundamental investment restrictions or (c) change its business so as to cease to be an investment company.

The Funds had the following series of Preferred Shares outstanding, effective yields and reset frequency at January 31, 2010:

| | | | | Reset |
|-----|--------|---------------------|--------------------|-------------------|
| | Series | Preferred Shares | Effective Yield | Frequency Days |
| MNE | F7 | 1,185 | 1.41% ¹ | 7 |
| MZA | A | 499 | 0.34% ² | 7 |
| | B | 668 | 0.34% ² | 7 |
| | C | 385 | 1.41% ² | 7 |
| MYC | A | 1,453 | 0.32% ² | 28 |
| | B | 1,453 | 0.34% ² | 7 |
| | C | 484 | 0.26% ² | 28 |
| | D | 848 | 1.41% ¹ | 7 |
| MYF | A | 1,189 | 0.34% ² | 7 |
| | B | 865 | 0.32% ² | 7 |
| | C | 325 | 1.42% ¹ | 7 |
| MYJ | A | 2,061 | 0.34% ² | 7 |

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| | | | |
|---|-------|--------------------|---|
| B | 1,288 | 0.35% ² | 7 |
| C | 739 | 1.41% ¹ | 7 |

¹ The maximum applicable rate on this series of Preferred Shares is the higher of 110% plus or times (i) the Telerate/BAA LIBOR or (ii) 90% of Kenny S&P 30-day High Grade Index rate divided by 1.00 minus the marginal tax rate.

² The maximum applicable rate on this series of Preferred Shares is the higher of 110% of the AA commercial paper rate or 110% of 90% of the Kenny S&P 30-day High Grade Index rate divided by 1.00 minus the marginal tax rate.

Dividends on seven-day and 28-day Preferred Shares are cumulative at a rate which is reset every seven or 28 days based on the results of an auction. If the Preferred Shares fail to clear the auction on an auction date, the affected Fund is required to pay the maximum applicable rate on the Preferred Shares to holders of such shares for successive dividend periods until such time as the shares are successfully auctioned. The maximum applicable rate on the Preferred Shares is footnoted as applicable on the above chart. The low, high and average dividend rates on the Preferred Shares for each Fund for the six months ended January 31, 2010 were as follows:

| | Series | Low | High | Average |
|-----|--------|-------|-------|---------|
| MNE | F7 | 1.32% | 1.63% | 1.49% |
| MZA | A | 0.26% | 0.55% | 0.43% |
| | B | 0.24% | 0.43% | 0.58% |
| | C | 1.32% | 1.48% | 1.61% |
| MYC | A | 0.32% | 0.50% | 0.45% |
| | B | 0.26% | 0.55% | 0.43% |
| | C | 0.26% | 0.53% | 0.44% |
| | D | 1.32% | 1.63% | 1.49% |
| MYF | A | 0.26% | 0.55% | 0.43% |
| | B | 0.24% | 0.56% | 0.42% |
| | C | 1.34% | 1.60% | 1.50% |
| MYJ | A | 0.26% | 0.55% | 0.43% |
| | B | 0.26% | 0.55% | 0.44% |
| | C | 1.32% | 1.63% | 1.49% |

Since February 13, 2008, the Preferred Shares of each Fund failed to clear any of their auctions. As a result, the Preferred Shares dividend rates were reset to the maximum applicable rate, which ranged from 0.24% to 1.63% for the six months ended January 31, 2010. A failed auction is not an event of default for the Funds but it has a negative impact on the liquidity of Preferred Shares. A failed auction occurs when there are more sellers of a fund's auction rate preferred shares than buyers. A successful auction for each Fund's Preferred Shares may not occur for some time, if ever, and

even if liquidity does resume, Preferred Shareholders may not have the ability to sell the Preferred Shares at their liquidation preference.

The Funds may not declare dividends or make other distributions on Common Shares or purchase any such shares if, at the time of the declaration, distribution or purchase, asset coverage with respect to the outstanding Preferred Shares is less than 200%.

The Funds pay commissions of 0.25% on the aggregate principal amount of all shares that successfully clear their auctions and 0.15% on the aggregate principal amount of all shares that fail to clear their auctions. Certain broker dealers have individually agreed to reduce commissions for failed auctions.

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Notes to Financial Statements (concluded)

During the year ended July 31, 2009, MZA, MYC, MYF and MYJ announced the following redemptions of Preferred Shares at a price of \$25,000 per share plus any accrued and unpaid dividends through the redemption date:

| | Series | Redemption Date | Shares Redeemed | Aggregate Principal |
|-----|--------|-----------------|-----------------|---------------------|
| MZA | A | 7/09/09 | 19 | \$ 475,000 |
| | B | 7/14/09 | 26 | \$ 650,000 |
| | C | 7/06/09 | 15 | \$ 375,000 |
| MYC | A | 7/09/09 | 282 | \$ 7,050,000 |
| | B | 7/02/09 | 282 | \$ 7,050,000 |
| | C | 7/30/09 | 94 | \$ 2,350,000 |
| | D | 7/07/09 | 164 | \$ 4,100,000 |
| MYF | A | 7/02/09 | 627 | \$15,675,000 |
| | B | 7/06/09 | 456 | \$11,400,000 |
| | C | 7/08/09 | 171 | \$ 4,275,000 |
| MYJ | A | 7/09/09 | 51 | \$ 1,275,000 |
| | B | 7/08/09 | 32 | \$ 800,000 |
| | C | 7/07/09 | 18 | \$ 450,000 |

The Funds financed the Preferred Share redemptions with cash received from TOB transactions.

Preferred Shares issued and outstanding remained constant during the six months ended January 31, 2010 for all Funds.

7. Capital Loss Carryforwards:

As of July 31, 2009, the Funds had capital loss carryforwards available to offset future realized capital gains through the indicated expiration dates:

| Expires July 31, | MNE | MZA | MYC | MYF | MYJ |
|------------------|--------------------|-------------------|-------------------|--------------------|-------------------|
| 2011 | | | \$ 178,107 | | |
| 2012 | \$ 134,161 | | | \$1,266,217 | \$ 239,556 |
| 2015 | 25,350 | | | | |
| 2016 | 739,187 | \$ 318,483 | 393,490 | 2,101,744 | 104,422 |
| 2017 | 501,235 | | 169,064 | | 421,488 |
| Total | \$1,399,933 | \$ 318,483 | \$ 740,661 | \$3,367,961 | \$ 765,466 |

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8. Subsequent Events:

Management's evaluation of the impact of all subsequent events on the Funds' financial statements was completed through the date the financial statements were issued and the following items were noted:

Each Fund paid a net investment income dividend on March 1, 2010 to Common Shareholders of record on February 12, 2010 as follows:

| | Common Dividend Per Share |
|-----|--------------------------------------|
| MNE | \$0.0555 |
| MZA | \$0.0670 |
| MYC | \$0.0675 |
| MYF | \$0.0655 |
| MYJ | \$0.0705 |

The dividends declared on Preferred Shares for the period February 1, 2010 to February 28, 2010 were as follows:

| | Series | Dividends Declared |
|-----|---------------|-------------------------------|
| MNE | F7 | \$ 8,136 |
| MZA | A | \$ 437 |
| | B | \$ 1,005 |
| | C | \$ 2,643 |
| MYC | A | \$ 3,503 |
| | B | \$ 1,334 |
| | C | \$ 1,545 |
| | D | \$ 4,896 |
| MYF | A | \$ 7,240 |
| | B | \$ 5,241 |
| | C | \$ 8,645 |
| MYJ | A | \$ 1,807 |
| | B | \$ 1,544 |
| | C | \$ 4,349 |

The Funds' distribution rates declared on March 1, 2010 were as follows:

| | Per Common Share Amount |
|-----|------------------------------------|
| MZA | \$0.0695 |

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| | |
|-----|----------|
| MYC | \$0.0700 |
| MYF | \$0.0705 |

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Officers and Directors

Richard E. Cavanagh, Chairman of the Board and Director
Karen P. Robards, Vice Chair of the Board, Chair of the Audit Committee and Director
G. Nicholas Beckwith, III, Director
Richard S. Davis, Fund President¹ and Director
Frank J. Fabozzi, Director and Member of the Audit Committee
Kathleen F. Feldstein, Director
James T. Flynn, Director and Member of the Audit Committee
Henry Gabbay, Director
Jerrold B. Harris, Director
R. Glenn Hubbard, Director
W. Carl Kester, Director and Member of the Audit Committee
Anne Ackerley, Fund President² and Chief Executive Officer
Brendan Kyne, Vice President
Neal Andrews, Chief Financial Officer
Jay Fife, Treasurer
Brian Kindelan, Chief Compliance Officer
Howard Surloff, Secretary

¹ For MYF.

² For MNE, MZA, MYC and MYJ.

Investment Advisor

BlackRock Advisors, LLC
Wilmington, DE 19809

Sub-Advisor

BlackRock Investment Management, LLC
Plainsboro, NJ 08536

Custodians

State Street Bank and Trust Company³
Boston, MA 02111

The Bank of New York Mellon⁴
New York, NY 10286

Transfer Agent

Common Shares
Computershare Trust Company, N.A.³
Providence, RI 02940

BNY Mellon Shareowner Services⁴
Jersey City, NJ 07310

Auction Agent

Preferred Shares
BNY Mellon Shareowner Services

Jersey City, NJ 07310

Accounting Agent

State Street Bank and Trust Company
Princeton, NJ 08540

Independent Registered Public Accounting Firm

Deloitte & Touche LLP
Princeton, NJ 08540

Legal Counsel

Skadden, Arps, Slate, Meagher & Flom LLP
New York, NY 10036

Address of the Funds

100 Bellevue Parkway
Wilmington, DE 19809

³ For MNE.

⁴ For MZA, MYC, MYF and MYJ.

Effective January 1, 2010, Kent Dixon, a Director of the Funds, retired. The Funds Board wishes Mr. Dixon well in his retirement.

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Additional Information

Proxy Results

The Annual Meeting of Shareholders was held on August 26, 2009 for shareholders of record on June 29, 2009 to elect director nominees of each Fund:

| | G. Nicholas Beckwith, III | | Richard E. Cavanagh | | Richard S. Davis | |
|-----|----------------------------------|-----------------|-------------------------------------|-----------------|------------------------------|-----------------|
| | Votes | | Votes | | Votes | |
| | Votes For | Withheld | Votes For | Withheld | Votes For | Withheld |
| MNE | 3,722,842 | 146,423 | 3,720,353 | 148,912 | 3,725,136 | 144,129 |
| MZA | 4,252,134 | 141,955 | 4,254,274 | 139,815 | 4,256,514 | 137,575 |
| MYC | 18,341,026 | 657,582 | 18,345,926 | 652,682 | 18,345,076 | 653,532 |
| MYF | 11,507,930 | 1,071,073 | 11,515,542 | 1,063,461 | 11,518,110 | 1,060,893 |
| MYJ | 12,896,908 | 432,848 | 12,827,102 | 502,654 | 12,922,659 | 407,097 |
| | Kent Dixon | | Frank J. Fabozzi¹ | | Kathleen F. Feldstein | |
| | Votes | | Votes | | Votes | |
| | Votes For | Withheld | Votes For | Withheld | Votes For | Withheld |
| MNE | 3,660,645 | 208,620 | 1,150 | | 3,720,353 | 148,912 |
| MZA | 4,256,514 | 137,575 | 1,436 | 8 | 4,247,756 | 146,333 |
| MYC | 18,240,525 | 758,083 | 3,051 | 59 | 17,964,966 | 1,033,642 |
| MYF | 11,503,213 | 1,075,790 | 3,052 | | 11,511,078 | 1,067,925 |
| MYJ | 12,813,516 | 516,240 | 3,235 | 10 | 12,836,981 | 492,775 |
| | James T. Flynn | | Henry Gabbay | | Jerrold B. Harris | |
| | Votes | | Votes | | Votes | |
| | Votes For | Withheld | Votes For | Withheld | Votes For | Withheld |
| MNE | 3,660,645 | 208,620 | 3,725,136 | 144,129 | 3,718,059 | 151,206 |
| MZA | 4,256,514 | 137,575 | 4,256,514 | 137,575 | 4,254,274 | 139,815 |
| MYC | 18,390,160 | 608,448 | 18,350,514 | 648,094 | 18,309,615 | 688,993 |
| MYF | 11,511,711 | 1,067,292 | 11,508,643 | 1,070,360 | 11,516,860 | 1,062,143 |
| MYJ | 12,922,990 | 406,766 | 12,911,186 | 418,570 | 12,922,737 | 407,019 |
| | R. Glenn Hubbard | | W. Carl Kester¹ | | Karen P. Robards | |
| | Votes | | Votes | | Votes | |
| | Votes For | Withheld | Votes For | Withheld | Votes For | Withheld |
| MNE | 3,720,353 | 148,912 | 1,150 | | 3,720,353 | 148,912 |
| MZA | 4,252,134 | 141,955 | 1,436 | 8 | 4,247,756 | 146,333 |
| MYC | 18,379,920 | 618,688 | 3,051 | 59 | 18,201,719 | 796,889 |
| MYF | 11,509,612 | 1,069,391 | 3,052 | | 11,517,512 | 1,061,491 |
| MYJ | 12,833,395 | 496,361 | 3,219 | 26 | 12,842,888 | 486,868 |

¹Voted on by holders of Preferred Shares only.

Additional Information (continued)

Dividend Policy

The Funds' dividend policy is to distribute all or a portion of their net investment income to its shareholders on a monthly basis. In order to provide shareholders with a more stable level of dividend distributions, the Funds may at times pay out less than the entire amount of net investment income earned in any particular month and may at times in any particular month pay out such accumulated but undistributed income in addition to

net investment income earned in that month. As a result, the dividends paid by the Funds for any particular month may be more or less than the amount of net investment income earned by the Funds during such month. The Funds' current accumulated but undistributed net investment income, if any, is disclosed in the Statements of Assets and Liabilities, which comprises part of the financial information included in this report.

General Information

Electronic Delivery

Electronic copies of most financial reports are available on the Funds' websites or shareholders can sign up for e-mail notifications of quarterly statements, annual and semi-annual reports by enrolling in the Funds' electronic delivery program.

Shareholders Who Hold Accounts with Investment Advisors, Banks or Brokerages:

Please contact your financial advisor to enroll. Please note that not all investment advisors, banks or brokerages may offer this service.

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Additional Information (concluded)

General Information (concluded)

Householding

The Funds will mail only one copy of shareholder documents, including annual and semi-annual reports and proxy statements, to shareholders with multiple accounts at the same address. This practice is commonly called householding and is intended to reduce expenses and eliminate duplicate mailings of shareholder documents. Mailings of your shareholder documents may be householded indefinitely unless you instruct us otherwise. If you do not want the mailing of these documents to be combined with those for other members of your household, please call (800) 441-7762.

Availability of Quarterly Schedule of Investments

Each Fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year on Form N-Q. The Funds' Forms N-Q are available on the SEC's website at <http://www.sec.gov> and may also be reviewed and copied at the SEC's Public Reference Room in Washington, DC. Information on the

operation of the Public Reference Room may be obtained by calling (202) 551-8090. Each Fund's Forms N-Q may also be obtained upon request and without charge by calling (800) 441-7762.

Availability of Proxy Voting Policies and Procedures

A description of the policies and procedures that the Funds use to determine how to vote proxies relating to portfolio securities is available (1) without charge, upon request, by calling (800) 441-7762; (2) at www.blackrock.com; and (3) on the SEC's website at <http://www.sec.gov>.

Availability of Proxy Voting Record

Information about how the Funds voted proxies relating to securities held in the Funds' portfolios during the most recent 12-month period ended June 30 is available upon request and without charge (1) at www.blackrock.com or by calling (800) 441-7762 and (2) on the SEC's website at <http://www.sec.gov>.

BlackRock Privacy Principles

BlackRock is committed to maintaining the privacy of its current and former fund investors and individual clients (collectively, "Clients") and to safeguarding their non-public personal information. The following information is provided to help you understand what personal information BlackRock collects, how we protect that information and why in certain cases we share such information with select parties.

If you are located in a jurisdiction where specific laws, rules or regulations require BlackRock to provide you with additional or different privacy-related rights beyond what is set forth below, then BlackRock will comply with those specific laws, rules or regulations.

BlackRock obtains or verifies personal non-public information from and about you from different sources, including the following: (i) information we receive from you or, if applicable, your financial intermediary, on applications, forms or other documents; (ii) information about your transactions with us, our affiliates, or others; (iii) information we receive from a consumer reporting agency; and (iv) from visits to our websites.

BlackRock does not sell or disclose to non-affiliated third parties any non-public personal information about its Clients, except as permitted by law or as is necessary to respond to regulatory requests or to service Client accounts. These non-affiliated third parties are required to protect the confidentiality and security of this information and to use it only for its intended purpose.

We may share information with our affiliates to service your account or to provide you with information about other BlackRock products or services that may be of interest to you. In addition, BlackRock restricts access to non-public personal information about its Clients to those BlackRock employees with a legitimate business need for the information. BlackRock maintains physical, electronic and procedural safeguards that are designed to protect the non-public personal information of its Clients, including procedures relating to the proper storage and disposal of such information.

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This report is transmitted to shareholders only. It is not a prospectus. Past performance results shown in this report should not be considered a representation of future performance. The Funds have leveraged their Common Shares which creates risks for Common Shareholders, including the likelihood of greater volatility of net asset value and market price of the Common Shares, and the risk that fluctuations in the short-term dividend rates of the Preferred Shares, currently set at the maximum reset rate as a result of failed auctions, may reduce the Common Shares yield. Statements and other information herein are as dated and are subject to change.

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Item 2 Code of Ethics Not Applicable to this semi-annual report

Item 3 Audit Committee Financial Expert Not Applicable to this semi-annual report

Item 4 Principal Accountant Fees and Services Not Applicable to this semi-annual report

Item 5 Audit Committee of Listed Registrants Not Applicable to this semi-annual report

Item 6 Investments

(a) The registrant's Schedule of Investments is included as part of the Report to Stockholders filed under Item 1 of this form.

(b) Not Applicable due to no such divestments during the semi-annual period covered since the previous Form N-CSR filing.

Item 7 Disclosure of Proxy Voting Policies and Procedures for Closed-End Management Investment Companies
Not Applicable to this semi-annual report

Item 8 Portfolio Managers of Closed-End Management Investment Companies Not Applicable to this semi-annual report

Item 9 Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers Not Applicable

Item 10 Submission of Matters to a Vote of Security Holders The registrant's Nominating and Governance Committee will consider nominees to the board of directors recommended by shareholders when a vacancy becomes available. Shareholders who wish to recommend a nominee should send nominations that include biographical information and set forth the qualifications of the proposed nominee to the registrant's Secretary. There have been no material changes to these procedures.

Item 11 Controls and Procedures

11(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 13(a)-15(b) under the Securities Exchange Act of 1934, as amended.

11(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 second fiscal quarter of the period covered by this report that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 12 Exhibits attached hereto

12(a)(1) Code of Ethics Not Applicable to this semi-annual report

12(a)(2) Certifications Attached hereto

12(a)(3) Not Applicable

12(b) Certifications Attached hereto

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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.

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BlackRock MuniYield Investment Fund

By: /s/ Anne F. Ackerley

Anne F. Ackerley

Chief Executive Officer of

BlackRock MuniYield Investment Fund

Date: March 19, 2010

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

By: /s/ Anne F. Ackerley

Anne F. Ackerley

Chief Executive Officer (principal executive officer) of

BlackRock MuniYield Investment Fund

Date: March 19, 2010

By: /s/ Neal J. Andrews

Neal J. Andrews

Chief Financial Officer (principal financial officer) of

BlackRock MuniYield Investment Fund

Date: March 19, 2010
