

BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND
Form N-Q
June 24, 2013

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED
MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-07136

Name of Fund: BlackRock MuniYield Pennsylvania Quality Fund (MPA)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock MuniYield Pennsylvania Quality 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: 07/31/2013

Date of reporting period: 04/30/2013

Item 1 Schedule of Investments

Schedule of Investments April 30, 2013 (Unaudited)

BlackRock MuniYield Pennsylvania Quality Fund (MPA)
(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| Pennsylvania 102.3% | | |
| Corporate 8.4% | | |
| Beaver County IDA, Refunding RB, FirstEnergy, Mandatory Put Bonds, 3.38%, 7/01/15 | \$ 1,200 | \$ 1,239,492 |
| Delaware County IDA Pennsylvania, Refunding RB, Water Facilities, Aqua Pennsylvania, Inc. Project, Series B, AMT (NPFGC), 5.00%, 11/01/36 | 2,520 | 2,705,422 |
| Northumberland County IDA, Refunding RB, Aqua Pennsylvania, Inc. Project, AMT (NPFGC), 5.05%, 10/01/39 | 4,500 | 4,600,665 |
| Pennsylvania Economic Development Financing Authority, RB: American Water Co. Project, 6.20%, 4/01/39 | 1,300 | 1,511,796 |
| Aqua Pennsylvania, Inc. Project, Series B, 4.50%, 12/01/42 | 3,630 | 3,894,917 |
| Waste Management, Inc. Project, Series A, AMT, 5.10%, 10/01/27 | 1,200 | 1,286,436 |
| Pennsylvania Economic Development Financing Authority, Refunding RB, Amtrak Project, Series A, AMT, 5.00%, 11/01/41 | 865 | 939,234 |
| | | 16,177,962 |
| County/City/Special District/School District 30.0% | | |
| Chambersburg Area School District, GO (NPFGC): 5.25%, 3/01/26 | 2,115 | 2,305,900 |
| 5.25%, 3/01/27 | 2,500 | 2,721,200 |
| City of Philadelphia Pennsylvania, GO, Refunding, Series A: (AGC), 5.00%, 8/01/24 | 2,000 | 2,254,460 |
| (AGM), 5.25%, 12/15/32 | 5,000 | 5,539,950 |
| City of Pittsburgh Pennsylvania, GO, Refunding, Series B, 5.00%, 9/01/26 | 970 | 1,134,658 |
| Connellsville Area School District, GO, Series B (AGM), 5.00%, 11/15/13(a) | 1,000 | 1,025,830 |
| County of Lycoming Pennsylvania, GO, Series A (AGM): 4.00%, 8/15/38 | 645 | 669,516 |
| 4.00%, 8/15/42 | 140 | 144,724 |
| County of York Pennsylvania, GO, Refunding, 5.00%, 3/01/36 | 400 | 447,008 |
| East Stroudsburg Area School District, GO, Series A (NPFGC), 7.75%, 9/01/27 | 2,000 | 2,496,680 |
| East Stroudsburg Area School District, GO, Refunding, Series A (AGM), 5.00%, 9/01/25 | 3,000 | 3,407,310 |
| Falls Township Pennsylvania, RB, Water & Sewer Authority, 5.00%, 12/01/37 | 1,070 | 1,210,994 |
| Lower Merion School District, GO, Refunding, Series A, 3.25%, 11/15/27 | 2,035 | 2,102,175 |
| Marple Newtown School District, GO (AGM), 5.00%, 6/01/31 | 3,500 | 4,046,665 |
| Northeastern School District York County, GO, Series B (NPFGC), 5.00%, 4/01/32 | 1,585 | 1,750,458 |
| Penn Delco Pennsylvania School District, GO: 4.00%, 6/01/32 | 810 | 874,654 |
| 4.00%, 6/01/34 | 590 | 632,722 |
| 4.00%, 6/01/38 | 1,060 | 1,122,084 |
| Philadelphia Redevelopment Authority, RB, Quality Redevelopment Neighborhood, Series B, AMT (NPFGC), 5.00%, 4/15/27 | 4,645 | 4,949,573 |
| Philadelphia School District, GO, Series E, 6.00%, 9/01/38 | 3,300 | 3,861,495 |

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| | | |
|--|-------|------------|
| Philadelphia School District, GO, Refunding, Series A (BHAC), 5.00%, 6/01/34 | 1,000 | 1,186,340 |
| Philipsburg Osceola Area School District Pennsylvania, GO (AGM): | | |
| 5.00%, 4/01/41 | 755 | 801,938 |
| Series A, 4.00%, 4/01/35 | 600 | 618,126 |
| Series A, 4.00%, 4/01/38 | 595 | 607,317 |
| Series A, 4.00%, 4/01/41 | 225 | 230,121 |
| Shaler Area School District Pennsylvania, GO, CAB (Syncora), 3.59%, 9/01/30 (b) | 6,145 | 3,316,088 |
| State Public School Building Authority, RB (AGM) CAB, Corry Area School District (b): | | |
| 2.65%, 12/15/22 | 1,640 | 1,273,558 |
| 2.83%, 12/15/23 | 1,980 | 1,469,516 |
| 2.91%, 12/15/24 | 1,980 | 1,415,383 |
| 3.03%, 12/15/25 | 1,770 | 1,211,034 |
| State Public School Building Authority, Refunding RB: | | |
| Harrisburg School District Project, Series A (AGC), 5.00%, 11/15/33 | 1,200 | 1,311,588 |
| School District Philadelphia Project, Series B (AGM), 5.00%, 6/01/26 | 1,500 | 1,652,565 |
| | | 57,791,630 |
| Education 6.0% | | |
| Adams County IDA, Refunding RB, Gettysburg College, 5.00%, 8/15/26 | 100 | 114,115 |

BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND

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Schedule of Investments (continued)

BlackRock MuniYield Pennsylvania Quality Fund (MPA)
(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|--|--------------|--------------|
| Municipal Bonds | | |
| Pennsylvania (continued) | | |
| Education (concluded) | | |
| Pennsylvania Higher Educational Facilities Authority, RB: | | |
| Drexel University, Series A (NPFGC), 5.00%, 5/01/37 | \$ 1,500 | \$ 1,634,925 |
| Shippensburg University Student Services, 5.00%, 10/01/35 | 430 | 470,523 |
| Shippensburg University Student Services, 5.00%, 10/01/44 | 1,195 | 1,291,879 |
| Pennsylvania Higher Educational Facilities Authority, Refunding RB: | | |
| Drexel University, Series A, 5.25%, 5/01/41 | 2,750 | 3,116,190 |
| State System Higher Education, Series A1, 5.00%, 6/15/35 | 1,780 | 2,038,723 |
| Thomas Jefferson University, 4.00%, 3/01/37 | 375 | 384,979 |
| Thomas Jefferson University, 5.00%, 3/01/42 | 310 | 350,439 |
| State Public School Building Authority, RB, Community College Allegheny County Project (AGM), 5.00%, 7/15/34 | 1,880 | 2,115,282 |
| | | 11,517,055 |
| Health 15.0% | | |
| Allegheny County Hospital Development Authority, RB, Health Center, UPMC Health, Series B (NPFGC), 6.00%, 7/01/26 | | |
| | 2,000 | 2,674,580 |
| Berks County Municipal Authority, Refunding RB, Reading Hospital & Medical Center, Series A, 5.00%, 11/01/40 | | |
| | 1,175 | 1,308,186 |
| Centre County Hospital Authority, RB, Mount Nittany Medical Center Project, 7.00%, 11/15/46 | | |
| | 2,020 | 2,575,419 |
| County of Lehigh Pennsylvania, RB, Lehigh Valley Health Network, Series A (AGM), 5.00%, 7/01/33 | | |
| | 7,995 | 8,561,126 |
| Cumberland County Municipal Authority, Refunding RB, Diakon Lutheran, 6.38%, 1/01/39 | | |
| | 500 | 561,020 |
| Montgomery County Higher Education & Health Authority, Refunding RB, Abington Memorial Hospital: | | |
| 3.25%, 6/01/26 | 625 | 619,288 |
| 3.75%, 6/01/31 | 470 | 471,429 |
| Series A, 5.13%, 6/01/33 | 490 | 531,895 |
| Montgomery County IDA Pennsylvania, RB Acts Retirement Life Community: | | |
| 4.50%, 11/15/36 | 295 | 297,782 |
| Series A-1, 6.25%, 11/15/29 | 235 | 272,788 |
| Montgomery County IDA Pennsylvania, Refunding RB, Acts Retirement Life Community: | | |
| 5.00%, 11/15/27 | 690 | 772,034 |
| 5.00%, 11/15/28 | 445 | 493,073 |
| 5.00%, 11/15/29 | 150 | 163,064 |
| Pennsylvania Higher Educational Facilities Authority, RB, University of Pennsylvania Health System, Series A, 5.00%, 8/15/42 | | |
| | 1,505 | 1,680,152 |
| Philadelphia Hospitals & Higher Education Facilities Authority, Refunding RB, Presbyterian Medical Center, 6.65%, 12/01/19 (c) | | |
| | 2,705 | 3,268,857 |
| Saint Mary Hospital Authority, Refunding RB, Catholic Health East, Series A: | | |
| 5.00%, 11/15/26 | 1,325 | 1,463,303 |
| 5.00%, 11/15/27 | 945 | 1,040,360 |
| South Fork Municipal Authority, Refunding RB, Conemaugh Valley Memorial, Series B (AGC), 5.38%, 7/01/35 | | |
| | 2,000 | 2,231,840 |
| | | 28,986,196 |
| Housing 6.3% | | |
| Pennsylvania HFA, RB, Series 114C: | | |
| 3.65%, 10/01/37 | 2,015 | 2,019,312 |
| 3.70%, 10/01/42 | 3,640 | 3,648,554 |

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| | | |
|---|-------|------------|
| Pennsylvania HFA, Refunding RB: | | |
| 4.75%, 10/01/39 | 825 | 848,859 |
| S/F Mortgage, Series 92-A, AMT, 4.75%, 4/01/31 | 625 | 636,800 |
| Series 99-A, AMT, 5.15%, 4/01/38 | 855 | 957,002 |
| Series 105C, 4.88%, 10/01/34 | 1,075 | 1,097,779 |
| Philadelphia Housing Authority Capital Fund Program, RB, Series A (AGM), 5.50%, 12/01/18 | 3,000 | 3,041,880 |
| | | 12,250,186 |

| | | |
|--|-----|---------|
| State 2.8% | | |
| Commonwealth of Pennsylvania, GO, First Series, 5.00%, 6/01/28 | 600 | 722,856 |
| Pennsylvania Economic Development Financing Authority, Refunding RB, Unemployment Compensation, Series B, 5.00%, 7/01/23 | 600 | 657,090 |

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BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND

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Schedule of Investments (continued)

BlackRock MuniYield Pennsylvania Quality Fund (MPA)
(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|--|--------------|--------------|
| Municipal Bonds | | |
| Pennsylvania (continued) | | |
| State (concluded) | | |
| Pennsylvania Turnpike Commission, RB, Series C of 2003 Pennsylvania Turnpike (NPFGC), 5.00%, 12/01/32 | \$ 3,600 | \$ 4,069,764 |
| | | 5,449,710 |
| Transportation 18.7% | | |
| City of Philadelphia, Pennsylvania, ARB, Series A: 5.00%, 6/15/40 | 2,500 | 2,696,950 |
| AMT (AGM), 5.00%, 6/15/37 | 7,500 | 8,129,325 |
| Delaware River Port Authority, RB, Series D (AGM), 5.00%, 1/01/40 | 1,560 | 1,741,272 |
| Pennsylvania Turnpike Commission, Motor License Fund, Enhanced Turnpike Subordinate Special, RB: 5.00%, 12/01/37 | 705 | 783,925 |
| 5.00%, 12/01/42 | 2,100 | 2,333,457 |
| Pennsylvania Turnpike Commission, RB: Senior Lien, Series A, 5.00%, 12/01/42 | 2,500 | 2,777,275 |
| Series A (AMBAC), 5.50%, 12/01/31 | 7,800 | 8,335,548 |
| Series A (AMBAC), 5.25%, 12/01/32 | 350 | 372,544 |
| Sub-Series A, 6.00%, 12/01/41 | 700 | 795,221 |
| Pennsylvania Turnpike Commission, Refunding RB, Sub-Series B (AGM), 5.25%, 6/01/39 | 3,500 | 3,889,760 |
| Southeastern Pennsylvania Transportation Authority, RB, Capital Grant Receipts: 5.00%, 6/01/28 | 1,570 | 1,810,979 |
| 5.00%, 6/01/29 | 2,080 | 2,384,720 |
| | | 36,050,976 |
| Utilities 15.1% | | |
| Allegheny County Sanitation Authority, Refunding RB, Series A (NPFGC), 5.00%, 12/01/30 | 5,000 | 5,427,100 |
| Bucks County Water & Sewer Authority, RB, Water System, 5.00%, 12/01/41 | 500 | 570,715 |
| City of Philadelphia Pennsylvania Gas Works, RB: 1998 General Ordinance, 4th Series (AGM), 5.00%, 8/01/32 | 3,300 | 3,329,601 |
| Ninth Series, 5.25%, 8/01/40 | 1,430 | 1,541,483 |
| City of Philadelphia, Pennsylvania Water & Wastewater, RB: Series A, 5.25%, 1/01/36 | 700 | 776,895 |
| Series C (AGM), 5.00%, 8/01/40 | 3,000 | 3,359,280 |
| Delaware County IDA Pennsylvania, RB, Pennsylvania Suburban Water Co. Project, Series A, AMT (AMBAC), 5.15%, 9/01/32 | 5,500 | 5,532,285 |
| Erie Pennsylvania Water Authority, Refunding RB (AGM): 4.00%, 12/01/32 | 860 | 900,936 |
| 4.00%, 12/01/34 | 985 | 1,015,870 |
| 4.00%, 12/01/36 | 715 | 735,070 |
| Lycoming County Water & Sewer Authority, RB (AGM), 5.00%, 11/15/41 | 400 | 432,860 |
| Northampton Borough Municipal Authority, RB (NPFGC), 5.00%, 5/15/34(a) | 800 | 838,560 |
| Pennsylvania Economic Development Financing Authority, RB, Philadelphia Biosolids Facility, 6.25%, 1/01/32 | 1,420 | 1,634,008 |
| Reading Area Water Authority Pennsylvania, RB (AGM), | | |

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| | | |
|-----------------|-------|------------|
| 5.00%, 12/01/27 | 2,680 | 2,989,647 |
| | | 29,084,310 |

Total Municipal Bonds in Pennsylvania 197,308,025

Guam 2.0%

State 0.5%

Territory of Guam, Limited Obligation Bonds, RB, Section 30, Series A,

| | | |
|-----------------|-----|---------|
| 5.63%, 12/01/29 | 805 | 896,303 |
|-----------------|-----|---------|

Transportation 1.3%

Guam International Airport Authority, Refunding RB, Series C, AMT (NPFGC),

| | | |
|-----------------|-------|-----------|
| 5.00%, 10/01/23 | 2,500 | 2,515,400 |
|-----------------|-------|-----------|

Utilities 0.2%

Guam Power Authority, Refunding RB, Series A,

| | | |
|-----------------|-----|---------|
| 5.00%, 10/01/34 | 420 | 464,839 |
|-----------------|-----|---------|

Total Municipal Bonds in Guam 3,876,542

Puerto Rico 0.7%

State 0.7%

Commonwealth of Puerto Rico, GO, Refunding, Public Improvement, Series A-4 (AGM),

| | | |
|----------------|-------|-----------|
| 5.25%, 7/01/30 | 1,270 | 1,343,787 |
|----------------|-------|-----------|

Total Municipal Bonds 105.0% 202,528,354

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

Pennsylvania 53.8%

County/City/Special District/School District 4.9%

Erie County Conventional Center Authority, RB,

| | | |
|----------------|-------|-----------|
| 5.00%, 1/15/36 | 8,850 | 9,356,747 |
|----------------|-------|-----------|

BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND

APRIL 30, 2013

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Schedule of Investments (continued)

BlackRock MuniYield Pennsylvania Quality Fund (MPA)
(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|---|--------------|--------------------------|
| Municipal Bonds Transferred to Tender Option Bond (TOB) Trusts (d) | | |
| Pennsylvania (continued) | | |
| Education 13.0% | | |
| Pennsylvania Higher Educational Facilities Authority, RB: | | |
| Series AE (NPFGC), 4.75%, 6/15/32 | \$ 8,845 | \$ 9,564,784 |
| University of Pennsylvania Health System, 5.75%, 8/15/41 | 4,270 | 5,047,012 |
| University of Pennsylvania Health System, Series A, 4.00%, 8/15/39 | 7,600 | 7,777,536 |
| University of Pittsburgh Pennsylvania, RB, Capital Project, Series B, 5.00%, 9/15/28 | 2,202 | 2,600,088 |
| | | 24,989,420 |
| Health 9.6% | | |
| Geisinger Authority Pennsylvania Health Systems, RB: | | |
| Series A, 5.13%, 6/01/34 | 2,500 | 2,771,450 |
| Series A, 5.25%, 6/01/39 | 3,128 | 3,471,533 |
| Series A-1, 5.13%, 6/01/41 | 6,270 | 7,066,666 |
| Philadelphia Hospitals & Higher Education Facilities Authority, RB, The Children s Hospital of Philadelphia Project, Series C, 5.00%, 7/01/41 | 4,680 | 5,238,324 |
| | | 18,547,973 |
| Housing 5.4% | | |
| Pennsylvania HFA, Refunding RB: | | |
| S/F Mortgage, Series 113, 4.85%, 10/01/37 | 4,120 | 4,445,480 |
| Series 96-A, AMT, 4.70%, 10/01/37 | 2,840 | 2,910,404 |
| Series 115-A, AMT, 4.20%, 10/01/33(e) | 3,000 | 3,067,920 |
| | | 10,423,804 |
| State 20.9% | | |
| Commonwealth of Pennsylvania, GO, First Series: | | |
| 5.00%, 3/15/28 | 5,203 | 6,036,357 |
| 5.00%, 11/15/30 | 6,350 | 7,542,657 |
| Pennsylvania Turnpike Commission, RB, Series C of 2003 Pennsylvania Turnpike, 5.00%, 12/01/32 | 10,000 | 11,304,900 |
| State Public School Building Authority, Refunding RB, School District of Philadelphia Project, Series B (AGM), 5.00%, 6/01/26 | 14,026 | 15,452,740 40,336,654 |
| | | 103,654,598 |
| Total Municipal Bonds in Pennsylvania | | |
| Puerto Rico 2.8% | | |
| State 2.8% | | |
| Puerto Rico Sales Tax Financing Corp., Refunding RB, Series C, 5.25%, 8/01/40 | 5,000 | 5,417,050 |
| | | 109,071,648 |
| Total Municipal Bonds Transferred to Tender Option Bond (TOB) Trusts 56.6% | | |
| Total Long-Term Investments | | |
| (Cost \$288,092,159) 161.6% | | 311,600,002 |

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| Short-Term Securities | Shares |
|--|--------------------------|
| BIF Pennsylvania Municipal Money Fund, 0.00% (f)(g) | 1,770,265 1,770,265 |
| Total Short-Term Securities (Cost \$1,770,265) 0.9% | 1,770,265 |
| Total Investments (Cost \$289,862,424*) 162.5% | 313,370,267 |
| Other Assets Less Liabilities 1.0% | 1,905,005 |
| Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable (29.1)% | (56,150,187) |
| VRDP Shares, at Liquidation Value (34.4)% | (66,300,000) |
| Net Assets Applicable to Common Shares 100.0% | \$ 192,825,085 |

* As of April 30, 2013, gross unrealized appreciation and gross unrealized depreciation based on cost for federal income tax purposes were as follows:

| | |
|-------------------------------|----------------|
| Tax cost | \$ 234,736,611 |
| Gross unrealized appreciation | \$ 23,603,625 |
| Gross unrealized depreciation | (1,089,871) |
| Net unrealized appreciation | \$ 22,513,754 |

Schedule of Investments (continued)

BlackRock MuniYield Pennsylvania Quality Fund (MPA)

Notes to Schedule of Investments

- (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 zero-coupon bond. Rate shown reflects the current yield as of report date.
- (c) Security is collateralized by Municipal or US Treasury obligations.
- (d) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction.
- (e) When-issued security. Unsettled when-issued transactions were as follows:

| Counterparty | Value | Unrealized Appreciation |
|---------------------|--------------|-------------------------|
| JPMorgan Chase & Co | \$ 3,067,920 | \$ 66,300 |

- (f) Investments in issuers considered to be an affiliate of the Fund during the period ended April 30, 2013, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

| Affiliate | Shares Held at | | Shares Held at | | Income |
|---------------------------------------|----------------|--------------|----------------|--|--------|
| | July 31, 2012 | Net Activity | April 30, 2013 | | |
| BIF Pennsylvania Municipal Money Fund | 3,976,718 | (2,206,453) | 1,770,265 | | \$ 163 |

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

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

Portfolio Abbreviations

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

| | |
|--------------|---|
| AGC | Assured Guaranty Corp. |
| AGM | Assured Guaranty Municipal Corp. |
| AMBAC | American Municipal Bond Assurance Corp. |
| AMT | Alternative Minimum Tax (subject to) |
| ARB | Airport Revenue Bonds |

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following list:

| | |
|----------------|---|
| BHAC | Berkshire Hathaway Assurance Corp. |
| CAB | Capital Appreciation Bonds |
| GO | General Obligation Bonds |
| HFA | Housing Finance Agency |
| IDA | Industrial Development Authority |
| NPFGC | National Public Finance Guarantee Corp. |
| RB | Revenue Bonds |
| S/F | Single Family |
| Syncora | Syncora Guarantee |

BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND

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Schedule of Investments (concluded)**BlackRock MuniYield Pennsylvania Quality Fund (MPA)**

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

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

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

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

The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). Accordingly, the degree of judgment exercised in determining fair value is greatest for instruments categorized in Level 3. The inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, for disclosure purposes, the level in the fair value hierarchy within which the fair value measurement falls in its entirety is determined based on the lowest level input that is significant to the fair value measurement in its entirety.

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

The following table summarizes the Fund's investments categorized in the disclosure hierarchy as of April 30, 2013:

| | Level 1 | Level 2 | Level 3 | Total |
|------------------------------------|----------------|----------------|----------------|----------------|
| Assets: | | | | |
| Investments: | | | | |
| Long-Term Investments ¹ | | \$ 311,600,002 | | \$ 311,600,002 |
| Short-Term Securities | \$ 1,770,265 | | | 1,770,265 |
| Total | \$ 1,770,265 | \$ 311,600,002 | | \$ 313,370,267 |

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

Certain of the Fund's liabilities are held at carrying amount, which approximates fair value for financial reporting purposes.

As of April 30, 2013, such liabilities are categorized within the disclosure hierarchy as follows:

| | Level 1 | Level 2 | Level 3 | Total |
|---------------------|----------------|----------------|----------------|--------------|
| Liabilities: | | | | |

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| | | |
|------------------------|------------------|------------------|
| TOB trust certificates | \$ (56,119,902) | \$ (56,119,902) |
| VRDP shares | (66,300,000) | (66,300,000) |
| Total | \$ (122,419,902) | \$ (122,419,902) |

There were no transfers between levels during the period ended April 30, 2013.

Item 2 Controls and Procedures

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

Item 3 Exhibits

Certifications Attached hereto

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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.

BlackRock MuniYield Pennsylvania Quality Fund

By: /s/ John M. Perlowski
John M. Perlowski
Chief Executive Officer (principal executive officer) of
BlackRock MuniYield Pennsylvania Quality Fund
Date: June 24, 2013

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

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

Date: June 24, 2013

By: /s/ Neal J. Andrews
Neal J. Andrews
Chief Financial Officer (principal financial officer) of
BlackRock MuniYield Pennsylvania Quality Fund
Date: June 24, 2013