

BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND
Form N-Q
December 21, 2012

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: 10/31/2012

Item 1 Schedule of Investments

Schedule of Investments October 31, 2012 (Unaudited)

BlackRock MuniYield Pennsylvania Quality Fund (MPA)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|---|----------------------|--------------|
| Municipal Bonds | | |
| Pennsylvania 105.6% | | |
| Corporate 7.6% | | |
| Beaver County IDA, Refunding RB, FirstEnergy, Mandatory Put Bonds, 3.38%, 1/01/35 (a) | \$ 1,200 | \$ 1,225,644 |
| Delaware County IDA Pennsylvania, Refunding RB, Water Facilities, Aqua Pennsylvania, Inc. Project, Series B, AMT (NPFGC), 5.00%, 11/01/36 | 2,520 | 2,626,772 |
| Northumberland County IDA, Refunding RB, Aqua Pennsylvania, Inc. Project, AMT (NPFGC), 5.05%, 10/01/39 | 4,500 | 4,623,030 |
| Pennsylvania Economic Development Financing Authority, RB: Aqua Pennsylvania, Inc. Project, Series B, 4.50%, 12/01/42 | 3,630 | 3,896,769 |
| Waste Management, Inc. Project, Series A, AMT, 5.10%, 10/01/27 | 1,200 | 1,265,316 |
| Pennsylvania Economic Development Financing Authority, Refunding RB, Amtrak Project, Series A, AMT, 5.00%, 11/01/41 | 865 | 943,914 |
| | | 14,581,445 |
| County/City/Special District/School District 26.8% | | |
| Chambersburg Area School District, GO (NPFGC): 5.25%, 3/01/26 | 2,115 | 2,336,652 |
| 5.25%, 3/01/27 | 2,500 | 2,753,925 |
| City of Philadelphia Pennsylvania, GO, Refunding, Series A: (AGC), 5.00%, 8/01/24 | 2,000 | 2,253,960 |
| (AGM), 5.25%, 12/15/32 | 5,000 | 5,571,500 |
| City of Pittsburgh Pennsylvania, GO, Refunding, Series B, 5.00%, 9/01/26 | 970 | 1,129,012 |
| Connellsville Area School District, GO, Series B (AGM), 5.00%, 11/15/37 | 1,000 | 1,031,710 |
| County of Lycoming Pennsylvania, GO, Series A (AGM): 4.00%, 8/15/38 | 645 | 664,311 |
| 4.00%, 8/15/42 | 140 | 144,183 |
| County of York Pennsylvania, GO, Refunding, 5.00%, 3/01/36 | 400 | 449,520 |
| East Stroudsburg Area School District, GO, Series A: (AGM), 5.00%, 9/01/25 | 7,000 | 8,159,970 |
| (NPFGC), 7.75%, 9/01/27 | 2,000 | 2,513,560 |
| Falls Township Pennsylvania, RB, Water & Sewer Authority, 5.00%, 12/01/37 | 1,070 | 1,209,935 |
| Lower Merion School District, GO, Refunding, Series A, 3.25%, 11/15/27 | 2,035 | 2,120,022 |
| Marple Newtown School District, GO (AGM), 5.00%, 6/01/31 | 3,500 | 4,166,015 |
| | Par (000) | Value |
| Municipal Bonds | | |
| Pennsylvania (continued) | | |
| County/City/Special District/School District (concluded) | | |
| Northeastern School District York County, GO, Series B (NPFGC), 5.00%, 4/01/32 | \$ 1,585 | \$ 1,741,028 |
| Philadelphia Redevelopment Authority, RB, Quality Redevelopment Neighborhood, Series B, AMT (NPFGC), 5.00%, 4/15/27 | 4,645 | 4,800,236 |
| Philadelphia School District, GO, Series E, 6.00%, 9/01/38 | 3,300 | 3,755,961 |
| Philadelphia School District, GO, Refunding, Series A (BHAC), 5.00%, 6/01/34 | 1,000 | 1,189,320 |
| Philipsburg Osceola Area School District Pennsylvania, GO (AGM): 5.00%, 4/01/41 | 755 | 802,346 |
| Series A, 4.00%, 4/01/35 | 600 | 616,710 |
| Series A, 4.00%, 4/01/38 | 595 | 604,014 |
| Series A, 4.00%, 4/01/41 | 225 | 228,409 |
| Shaler Area School District Pennsylvania, GO, CAB (Syncora), 3.79%, 9/01/30 (b) | 6,145 | 3,145,810 |
| | | 51,388,109 |
| Education 10.0% | | |
| Adams County IDA, Refunding RB, Gettysburg College, 5.00%, 8/15/26 | 100 | 114,225 |

Edgar Filing: BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND - Form N-Q

| | | |
|---|-------|------------|
| Pennsylvania Higher Educational Facilities Authority, RB: | | |
| Drexel University, Series A (NPFGC), 5.00%, 5/01/37 | 1,500 | 1,615,215 |
| University of Pennsylvania Health System, Series A, 4.00%, 8/15/39 | 7,600 | 7,791,748 |
| University of Pennsylvania Health System, Series A, 5.00%, 8/15/42 | 1,505 | 1,677,458 |
| Pennsylvania Higher Educational Facilities Authority, Refunding RB: | | |
| Drexel University, Series A, 5.25%, 5/01/41 | 2,750 | 3,120,672 |
| State System Higher Education, Series A1, 5.00%, 6/15/35 | 1,780 | 2,052,340 |
| Thomas Jefferson University, 4.00%, 3/01/37 | 375 | 381,855 |
| Thomas Jefferson University, 5.00%, 3/01/42 | 310 | 347,842 |
| State Public School Building Authority, RB, Community College Allegheny County Project (AGM), 5.00%, 7/15/34 | 1,880 | 2,120,038 |
| | | 19,221,393 |

BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND

OCTOBER 31, 2012

1

Schedule of Investments (continued)

BlackRock MuniYield Pennsylvania Quality Fund (MPA)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|--|----------------------|--------------|
| Municipal Bonds | | |
| Pennsylvania (continued) | | |
| Health 14.5% | | |
| Allegheny County Hospital Development Authority, RB, Health Center, UPMC Health, Series B (NPFGC), 6.00%, 7/01/26 | \$ 2,000 | \$ 2,653,960 |
| Berks County Municipal Authority, Refunding RB, Reading Hospital & Medical Center, Series A, 5.00%, 11/01/40 | 1,175 | 1,304,367 |
| Centre County Hospital Authority, RB, Mount Nittany Medical Center Project, 7.00%, 11/15/46 | 2,020 | 2,608,345 |
| County of Lehigh Pennsylvania, RB, Lehigh Valley Health Network, Series A (AGM), 5.00%, 7/01/33 | 7,995 | 8,597,743 |
| Cumberland County Municipal Authority, Refunding RB, Diakon Lutheran, 6.38%, 1/01/39 | 500 | 557,360 |
| Montgomery County Higher Education & Health Authority, Refunding RB, Abington Memorial Hospital: | | |
| 3.75%, 6/01/31 | 470 | 468,120 |
| 3.25%, 6/01/26 | 625 | 624,306 |
| Series A, 5.13%, 6/01/33 | 490 | 538,559 |
| Montgomery County IDA Pennsylvania, RB Acts Retirement Life Community: | | |
| 4.50%, 11/15/36 | 295 | 297,378 |
| Series A-1, 6.25%, 11/15/29 | 235 | 274,548 |
| Montgomery County IDA Pennsylvania, Refunding RB, Acts Retirement Life Community: | | |
| 5.00%, 11/15/27 | 690 | 756,951 |
| 5.00%, 11/15/28 | 445 | 493,020 |
| 5.00%, 11/15/29 | 150 | 163,802 |
| Philadelphia Hospitals & Higher Education Facilities Authority, Refunding RB, Presbyterian Medical Center, 6.65%, 12/01/19 (c) | 3,000 | 3,624,660 |
| Saint Mary Hospital Authority, Refunding RB, Catholic Health East, Series A: | | |
| 5.00%, 11/15/26 | 1,325 | 1,458,441 |
| 5.00%, 11/15/27 | 945 | 1,035,011 |
| South Fork Municipal Authority, Refunding RB, Conemaugh Valley Memorial, Series B (AGC), 5.38%, 7/01/35 | 2,000 | 2,228,800 |
| | | 27,685,371 |
| Housing 4.4% | | |
| Pennsylvania HFA, RB, Series 95-A, AMT, 4.90%, 10/01/37 | 995 | 1,014,930 |
| Pennsylvania HFA, Refunding RB: | | |
| 4.75%, 10/01/39 | 965 | 983,981 |
| | Par (000) | Value |
| Municipal Bonds | | |
| Pennsylvania (continued) | | |
| Housing (concluded) | | |
| Pennsylvania HFA, Refunding RB (concluded): | | |
| S/F Mortgage, Series 92-A, AMT, 4.75%, 4/01/31 | \$ 645 | \$ 657,958 |
| Series 99-A, AMT, 5.15%, 4/01/38 | 860 | 947,574 |
| Series 105C, 4.88%, 10/01/34 | 1,730 | 1,843,073 |
| Philadelphia Housing Authority Capital Fund Program, RB, Series A (AGM), 5.50%, 12/01/18 | 3,000 | 3,043,020 |
| | | 8,490,536 |
| State 7.7% | | |
| Commonwealth of Pennsylvania, GO, First Series, 5.00%, 6/01/28 | 1,250 | 1,530,338 |
| Pennsylvania Economic Development Financing Authority, Refunding RB, Unemployment Compensation, Series B, 5.00%, 7/01/23 | 1,100 | 1,222,727 |
| Pennsylvania Turnpike Commission, RB, Series C of 2003 Pennsylvania Turnpike (NPFGC), 5.00%, 12/01/32 | 3,600 | 3,999,672 |
| State Public School Building Authority, RB, (AGM) CAB, Corry Area School District (b): | | |
| 2.36%, 12/15/22 | 1,640 | 1,211,288 |
| 3.18%, 12/15/23 | 1,980 | 1,394,494 |

Edgar Filing: BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND - Form N-Q

| | | |
|--|-------|------------|
| 3.29%, 12/15/24 | 1,980 | 1,333,391 |
| 3.39%, 12/15/25 | 1,770 | 1,138,871 |
| State Public School Building Authority, Refunding RB: | | |
| Harrisburg School District Project, Series A (AGC), 5.00%, 11/15/33 | 1,200 | 1,317,612 |
| School District Philadelphia Project, Series B (AGM), 5.00%, 6/01/26 | 1,500 | 1,589,175 |
| | | 14,737,568 |
| Transportation 19.9% | | |
| City of Philadelphia, Pennsylvania, ARB, Series A: | | |
| 5.00%, 6/15/40 | 2,500 | 2,696,800 |
| AMT (AGM), 5.00%, 6/15/37 | 7,500 | 7,894,125 |
| Delaware River Port Authority, RB, Series D (AGM), 5.00%, 1/01/40 | 1,560 | 1,744,860 |
| Pennsylvania Turnpike Commission, Enhanced Turnpike Subordinate Special, RB: | | |
| 5.00%, 12/01/37 | 705 | 794,253 |
| 5.00%, 12/01/42 | 2,100 | 2,364,117 |
| Pennsylvania Turnpike Commission, RB: | | |
| 5.25%, 12/01/41 | 1,750 | 1,977,762 |
| Senior Lien, Series A, 5.00%, 12/01/42 | 2,500 | 2,848,150 |

BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND

OCTOBER 31, 2012

2

Schedule of Investments (continued)

BlackRock MuniYield Pennsylvania Quality Fund (MPA)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|--|----------------------|--------------------|
| Municipal Bonds | | |
| Pennsylvania (continued) | | |
| Transportation (concluded) | | |
| Pennsylvania Turnpike Commission, RB (concluded): | | |
| Series A (AMBAC), 5.50%, 12/01/31 | \$ 7,800 | \$ 8,453,952 |
| Series A (AMBAC), 5.25%, 12/01/32 | 350 | 377,556 |
| Sub-Series A, 6.00%, 12/01/41 | 700 | 798,399 |
| Sub-Series B (AGM), 5.25%, 6/01/39 | 3,500 | 3,900,785 |
| Southeastern Pennsylvania Transportation Authority, RB, Capital Grant Receipts: | | |
| 5.00%, 6/01/28 | 1,570 | 1,815,030 |
| 5.00%, 6/01/29 | 2,080 | 2,394,392 |
| | | 38,060,181 |
| Utilities 14.7% | | |
| Allegheny County Sanitation Authority, Refunding RB, Series A (NPFGC), 5.00%, 12/01/30 | | |
| Bucks County Water & Sewer Authority, RB, Water System, 5.00%, 12/01/41 | 5,000 | 5,493,550 |
| City of Philadelphia Pennsylvania Gas Works, RB: | 500 | 570,865 |
| 1998 General Ordinance, 4th Series (AGM), 5.00%, 8/01/32 | 3,300 | 3,357,981 |
| Ninth Series, 5.25%, 8/01/40 | 1,430 | 1,536,192 |
| City of Philadelphia, Pennsylvania Water & Wastewater, RB: | | |
| Series A, 5.25%, 1/01/36 | 700 | 779,282 |
| Series C (AGM), 5.00%, 8/01/40 | 3,000 | 3,363,540 |
| Delaware County IDA Pennsylvania, RB, Pennsylvania Suburban Water Co. Project, Series A, AMT (AMBAC), 5.15%, 9/01/32 | | |
| Lycoming County Water & Sewer Authority, RB (AGM), 5.00%, 11/15/41 | 5,500 | 5,575,130 |
| Northampton Borough Municipal Authority, RB (NPFGC), 5.00%, 5/15/34 | 400 | 432,988 |
| Pennsylvania Economic Development Financing Authority, RB: | 935 | 977,337 |
| American Water Co. Project, 6.20%, 4/01/39 | 1,300 | 1,522,924 |
| Philadelphia Biosolids Facility, 6.25%, 1/01/32 | 1,420 | 1,624,892 |
| | Par (000) | Value |
| Municipal Bonds | | |
| Pennsylvania (concluded) | | |
| Utilities (concluded) | | |
| Reading Area Water Authority Pennsylvania, RB (AGM), 5.00%, 12/01/27 | \$ 2,680 | \$ 2,990,933 |
| | | 28,225,614 |
| Total Municipal Bonds in Pennsylvania | | 202,390,217 |
| Guam 2.0% | | |
| State 0.5% | | |
| Territory of Guam, Limited Obligation Bonds, RB, Section 30, Series A, 5.63%, 12/01/29 | 805 | 903,419 |
| Transportation 1.3% | | |
| Guam International Airport Authority, Refunding RB, Series C, AMT (NPFGC), 5.00%, 10/01/23 | 2,500 | 2,526,800 |
| Utilities 0.2% | | |
| Guam Power Authority, Refunding RB, Series A, 5.00%, 10/01/34 | 420 | 454,197 |
| Total Municipal Bonds in Guam | | 3,884,416 |
| 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 | 1,361,961 |
| Total Municipal Bonds 108.3% | | 207,636,594 |

Edgar Filing: BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND - Form N-Q

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

| Pennsylvania 48.1% | | |
|--|-------|------------|
| County/City/Special District/School District 4.9% | | |
| Erie County Conventional Center Authority, RB, 5.00%, 1/15/36 | 8,850 | 9,449,489 |
| Education 8.9% | | |
| Pennsylvania Higher Educational Facilities Authority, RB: | | |
| Series AE (NPFGC), 4.75%, 6/15/32 | 8,845 | 9,392,767 |
| University of Pennsylvania Health System, 5.75%, 8/15/41 | 4,270 | 5,019,513 |
| University of Pittsburgh Pennsylvania, RB, Capital Project, Series B, 5.00%, 9/15/28 | 2,202 | 2,636,383 |
| | | 17,048,663 |

BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND

OCTOBER 31, 2012

3

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 (concluded) | | |
| Health 9.7% | | |
| Geisinger Authority Pennsylvania Health Systems, RB: | | |
| 5.13%, 6/01/34 | \$ 2,500 | \$ 2,786,725 |
| 5.25%, 6/01/39 | 3,128 | 3,486,870 |
| Series A-1, 5.13%, 6/01/41 | 6,270 | 7,059,205 |
| Philadelphia Hospitals & Higher Education Facilities Authority, RB, The Children's Hospital of Philadelphia Project, Series C, 5.00%, 7/01/41 | 4,680 | 5,204,394 |
| | | 18,537,194 |
| Housing 3.8% | | |
| Pennsylvania HFA, Refunding RB: | | |
| S/F Mortgage, Series 113, 4.85%, 10/01/37 | 4,120 | 4,401,437 |
| Series 96-A, AMT, 4.70%, 10/01/37 | 2,860 | 2,925,322 |
| | | 7,326,759 |
| State 20.8% | | |
| Commonwealth of Pennsylvania, GO, First Series: | | |
| 5.00%, 3/15/28 | 5,203 | 6,229,254 |
| 5.00%, 11/15/30 | 6,350 | 7,644,257 |
| Pennsylvania Turnpike Commission, RB, Series C of 2003 Pennsylvania Turnpike, 5.00%, 12/01/32 | 10,000 | 11,110,200 |
| State Public School Building Authority, Refunding RB, School District of Philadelphia Project, Series B (AGM), 5.00%, 6/01/26 | 14,026 | 14,860,043 |
| | | 39,843,754 |
| | | 92,205,859 |
| Puerto Rico 2.9% | | |
| State 2.9% | | |
| Puerto Rico Sales Tax Financing Corp., Refunding RB, Series C, 5.25%, 8/01/40 | 5,000 | 5,488,250 |
| Total Municipal Bonds Transferred to Tender Option Bond (TOB) Trusts | | 51.0% |
| Total Long-Term Investments | | 97,694,109 |
| (Cost \$282,059,658) | | 159.3% |
| | Shares | Value |
| Short-Term Securities | | |
| BIF Pennsylvania Municipal Money Fund (e)(f) | 245,935 | \$ 245,935 |
| Total Short-Term Securities | | |
| (Cost \$245,935) | | 0.1% |
| Total Investments (Cost \$282,305,593*) | | 159.4% |
| Other Assets Less Liabilities | | 1.6% |
| Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable | | (26.4)% |
| VRDP Shares, at Liquidation Value | | (34.6)% |
| Net Assets Applicable to Common Shares | | 100.0% |

* As of October 31, 2012, gross unrealized appreciation and gross unrealized depreciation based on cost for federal income tax purposes were as follows:

| | |
|-------------------------------|----------------|
| Tax cost | \$ 232,469,780 |
| Gross unrealized appreciation | \$ 23,277,688 |
| Gross unrealized depreciation | (1,000,732) |
| Net unrealized appreciation | \$ 22,276,956 |

Edgar Filing: BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND - Form N-Q

- (a) Variable rate security. Rate shown is as of report date.
- (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) Investments in issuers considered to be an affiliate of the Fund during the period ended October 31, 2012, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

| | Shares | | Shares | |
|---------------------------------------|----------------------|-----------------|--------------------|---------------|
| | Held at | Net | Held at | |
| | Held at | Activity | October 31, | Income |
| Affiliate | July 31, 2012 | 2012 | 2012 | Income |
| BIF Pennsylvania Municipal Money Fund | 3,976,718 | (3,730,783) | 245,935 | \$ 3 |

- (f) 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.

Schedule of Investments (concluded)

BlackRock MuniYield Pennsylvania Quality Fund (MPA)

Portfolio Abbreviations

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

| | |
|---------|---|
| 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 |
| 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 |

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 annual report.

The following table summarizes the Fund's investments categorized in the disclosure hierarchy as of October 31, 2012:

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

Edgar Filing: BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND - Form N-Q

Investments:

Long-Term

| | | | | |
|--------------------------|--|----------------|--|----------------|
| Investments ¹ | | \$ 305,330,703 | | \$ 305,330,703 |
| Short-Term | | | | |

| | | | | |
|--------------|------------|----------------|--|----------------|
| Securities | \$ 245,935 | | | 245,935 |
| Total | \$ 245,935 | \$ 305,330,703 | | \$ 305,576,638 |

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

Certain of the Fund's liabilities are held at carrying amount, which approximates fair value for financial reporting purposes. As of October 31, 2012, such liabilities are categorized within the disclosure hierarchy as follows:

| | Level 1 | Level 2 | Level 3 | Total |
|------------------------|---------|------------------|---------|------------------|
| Liabilities: | | | | |
| Bank overdraft | | \$ (125,911) | | \$ (125,911) |
| TOB trust certificates | | (50,829,902) | | (50,829,902) |
| VRDP Shares | | (66,300,000) | | (66,300,000) |
| Total | | \$ (117,255,813) | | \$ (117,255,813) |

There were no transfers between levels during the period ended October 31, 2012.

BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND

OCTOBER 31, 2012

5

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

Edgar Filing: BLACKROCK MUNIYIELD PENNSYLVANIA QUALITY FUND - Form N-Q

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: December 21, 2012

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: December 21, 2012

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

Date: December 21, 2012