

BLACKROCK MUNIYIELD INVESTMENT QUALITY FUND

Form N-Q

June 22, 2016

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 811-07156

Name of Fund: BlackRock MuniYield Investment Quality Fund (MFT)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock MuniYield Investment 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: 07/31/2016

Date of reporting period: 04/30/2016

Item 1 Schedule of Investments

Schedule of Investments April 30, 2016 (Unaudited)

BlackRock MuniYield Investment Quality Fund (MFT)

(Percentages shown are based on Net Assets)

	Par (000)	Value
Municipal Bonds		
Alabama 4.3%		
City of Birmingham Alabama Special Care Facilities Financing Authority, RB, Children s Hospital (AGC)		
(a):		
6.00%, 6/01/19	\$ 2,985	\$ 3,443,078
6.13%, 6/01/19	1,500	1,735,890
City of Selma Alabama IDB, RB, Gulf Opportunity Zone, International Paper Co. Project, Series A,		
5.38%, 12/01/35	350	390,180
		5,569,148
California 21.3%		
California Educational Facilities Authority, RB, University of Southern California, Series A,		
5.25%, 10/01/38	1,960	2,165,055
California Health Facilities Financing Authority, RB, Sutter Health, Series B,		
6.00%, 8/15/42	1,150	1,381,426
City & County of San Francisco California Airports Commission, Refunding ARB, AMT, Series A:		
2nd, 5.50%, 5/01/28	720	878,011
2nd, 5.25%, 5/01/33	560	654,091
5.00%, 5/01/44	745	843,541
City of San Jose California, Refunding ARB, Series A-1, AMT:		
5.50%, 3/01/30	1,600	1,865,872
6.25%, 3/01/34	1,250	1,500,863
County of Sacramento California, ARB, Senior Series A (AGC),		
5.50%, 7/01/41	1,400	1,532,804
Kern Community College District, GO, Safety, Repair & Improvement, Series C,		
5.50%, 11/01/33	970	1,224,024
Los Angeles Community College District California, GO, Election of 2001, Series A (NPFGC),		
5.00%, 8/01/17 (a)	1,780	1,878,114
Redondo Beach Unified School District, GO, Election of 2008, Series E,		
5.50%, 8/01/34	1,000	1,227,220
Riverside County Public Financing Authority, RB, Capital Facilities Project,		
5.25%, 11/01/40	2,000	2,408,320
	Par	Value
	(000)	Value
Municipal Bonds		
California (continued)		
San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC),		
5.38%, 8/01/34	\$ 1,020	\$ 1,155,640
State of California, GO, Various Purposes (AGC),		
5.50%, 11/01/39	3,450	3,968,052
State of California Public Works Board, LRB, Various Capital Projects, Series I,		
5.50%, 11/01/31	1,000	1,242,020
State of California Public Works Board, RB, Department of Corrections & Rehabilitation, Series F,		
5.25%, 9/01/33	490	600,431
Township of Washington California Health Care District, GO, Election of 2004, Series B,		
5.50%, 8/01/40	370	450,164
University of California, Refunding RB, The Regents of Medical Center, Series J,		
5.25%, 5/15/38	2,235	2,689,733
		27,665,381
Colorado 2.0%		
City & County of Denver Colorado Airport System, ARB, Series A, AMT:		
5.50%, 11/15/28	500	598,325
5.50%, 11/15/30	225	267,782
5.50%, 11/15/31	270	320,476
Colorado Health Facilities Authority, RB, Hospital, NCMC, Inc. Project, Series B (AGM),		
6.00%, 5/15/26	1,300	1,447,407
		2,633,990
Florida 12.3%		
	270	328,579

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City of Jacksonville Florida, Refunding RB, Series A, 5.25%, 10/01/33		
County of Broward Florida Airport System Revenue, ARB, Series A, AMT, 5.00%, 10/01/45	575	656,092
County of Hillsborough Florida Aviation Authority, Refunding ARB, Tampa International Airport, Series A, AMT, 5.50%, 10/01/29	1,170	1,392,440
County of Lee Florida, Refunding ARB, Series A, AMT, 5.38%, 10/01/32	1,000	1,150,420

BLACKROCK MUNIYIELD INVESTMENT QUALITY FUND

APRIL 30, 2016

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Schedule of Investments (continued)

BlackRock MuniYield Investment Quality Fund (MFT)

	Par (000)	Value
Municipal Bonds		
Florida (continued)		
County of Lee Florida HFA, RB, S/F Housing, Multi-County Program, Series A-2, AMT (Ginnie Mae), 6.00%, 9/01/40	\$ 125	\$ 128,076
County of Manatee Florida HFA, RB, S/F Housing, Series A, AMT (Ginnie Mae, Fannie Mae & Freddie Mac), 5.90%, 9/01/40	90	91,445
County of Miami-Dade Florida, RB, Seaport:		
Series A, 6.00%, 10/01/38	1,840	2,266,751
Series A, 5.50%, 10/01/42	2,125	2,503,930
Series B, AMT, 6.00%, 10/01/26	590	738,503
Series B, AMT, 6.00%, 10/01/27	775	968,866
Series B, AMT, 6.25%, 10/01/38	310	388,061
Series B, AMT, 6.00%, 10/01/42	410	493,710
County of Miami-Dade Florida, Refunding RB:		
Seaport, Series D, AMT, 6.00%, 10/01/26	735	920,000
Water & Sewer System, Series B, 5.25%, 10/01/29	500	608,865
County of Miami-Dade Florida Aviation Revenue, Refunding ARB, Series A, AMT, 5.00%, 10/01/31	2,165	2,488,624
Reedy Creek Improvement District, GO, Series A, 5.25%, 6/01/32	710	851,404
		15,975,766
Hawaii 1.9%		
State of Hawaii, Department of Transportation, COP, AMT:		
5.25%, 8/01/25	250	300,977
5.25%, 8/01/26	810	970,364
State of Hawaii, Department of Transportation, RB, Series A, AMT, 5.00%, 7/01/45	1,000	1,137,800
		2,409,141
Illinois 19.1%		
City of Chicago Illinois, GARB, O Hare International Airport, 3rd Lien:		
Series A, 5.75%, 1/01/39	770	897,789
Series C, 6.50%, 1/01/41	3,680	4,462,662
	Par (000)	Value
Municipal Bonds		
Illinois (continued)		
City of Chicago Illinois Midway International Airport, Refunding GARB, 2nd Lien, Series A, 5.00%, 1/01/41	\$ 1,010	\$ 1,126,948
City of Chicago Illinois Transit Authority, RB:		
Federal Transit Administration, Section 5309, Series A (AGC), 6.00%, 12/01/18 (a)	1,400	1,585,570
Sales Tax Receipts, 5.25%, 12/01/36	1,000	1,100,900
City of Chicago Illinois Transit Authority, Refunding RB, Federal Transit Administration, Section 5309 (AGM), 5.00%, 6/01/28	3,000	3,243,210
City of Chicago Illinois Wastewater Transmission, RB, 2nd Lien, 5.00%, 1/01/42	1,375	1,475,086
County of Cook Illinois Community College District No. 508, GO, City College of Chicago:		
5.50%, 12/01/38	1,500	1,704,795
5.25%, 12/01/43	2,700	2,999,133
Illinois Finance Authority, RB, Carle Foundation, Series A, 6.00%, 8/15/41	1,555	1,845,319
Railsplitter Tobacco Settlement Authority, RB:		
5.50%, 6/01/23	940	1,108,316
6.00%, 6/01/28	270	322,653
State of Illinois, GO:		

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5.25%, 2/01/32	1,000	1,093,040
5.50%, 7/01/33	1,500	1,654,725
5.50%, 7/01/38	280	305,948
		24,926,094
Indiana 4.0%		
Indiana Finance Authority, RB, Private Activity Bond, Ohio River Bridges, Series A, AMT, 5.00%, 7/01/40	375	409,643

Schedule of Investments (continued)

BlackRock MuniYield Investment Quality Fund (MFT)

	Par	
	(000)	Value
Municipal Bonds		
Indiana (continued)		
Indianapolis Local Public Improvement Bond Bank, Refunding RB, Waterworks Project, Series A (AGC), 5.50%, 1/01/38	\$ 4,310	\$ 4,838,363
		5,248,006
Louisiana 2.1%		
City of New Orleans Louisiana Aviation Board, Refunding GARB, Restructuring (AGC):		
Series A-1, 6.00%, 1/01/23	375	421,871
Series A-2, 6.00%, 1/01/23	160	179,280
Lake Charles Harbor & Terminal District, RB, Series B, AMT (AGM), 5.50%, 1/01/29	1,000	1,203,580
Tobacco Settlement Financing Corp., Refunding RB, Asset-Backed, Series A, 5.50%, 5/15/29	805	884,124
		2,688,855
Massachusetts 1.8%		
Massachusetts DFA, Refunding RB, CareGroup Issue, Series I, 3.25%, 7/01/35 (b)		
	285	283,786
Massachusetts HFA, Refunding RB, Series C, AMT, 5.35%, 12/01/42	1,910	2,005,328
		2,289,114
Michigan 2.7%		
City of Detroit Michigan Water Supply System, RB, 2nd Lien, Series B (AGM), 6.25%, 7/01/36		
	1,800	2,025,666
Royal Oak Hospital Finance Authority Michigan, Refunding RB, William Beaumont Hospital, Series V, 8.25%, 9/01/18 (a)	1,265	1,484,098
		3,509,764
Minnesota 2.6%		
City of Minneapolis Minnesota, Refunding RB, Fairview Health Services, Series B (AGC): 6.50%, 11/15/18 (a)		
	460	525,154
	Par	
Municipal Bonds		
Minnesota (continued)		
6.50%, 11/15/38	\$ 2,540	\$ 2,861,818
		3,386,972
Mississippi 1.5%		
Mississippi Development Bank, RB, Jackson Water & Sewer System Project (AGM), 6.88%, 12/01/40		
	1,190	1,600,871
Mississippi State University Educational Building Corp., Refunding RB, Mississippi State University Improvement Project, 5.25%, 8/01/38	260	312,710
		1,913,581
Nebraska 0.3%		
Public Power Generation Agency, Refunding RB, 5.00%, 1/01/37 (b)		
	385	452,756
Nevada 4.2%		
County of Clark Nevada, ARB, Las Vegas-McCarran International Airport, Series A (AGM), 5.25%, 7/01/39		
	2,375	2,670,236
County of Clark Nevada, GO, Limited Tax, 5.00%, 6/01/38	1,000	1,078,260
County of Clark Nevada Water Reclamation District, GO, Series A, 5.25%, 7/01/34	1,500	1,691,280

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5,439,776

New Jersey 5.8%

New Jersey EDA, RB:

Goethals Bridge Replacement Project, Private Activity Bond, AMT (AGM), 5.00%, 1/01/31	530	597,268
Goethals Bridge Replacement Project, Private Activity Bond, AMT, 5.38%, 1/01/43	1,000	1,125,870
School Facilities Construction (AGC), 6.00%, 12/15/18 (a)	980	1,112,339
School Facilities Construction (AGC), 6.00%, 12/15/34	20	22,527
New Jersey Health Care Facilities Financing Authority, RB, Virtua Health, Series A (AGC), 5.50%, 7/01/38	1,400	1,572,354

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Schedule of Investments (continued)

BlackRock MuniYield Investment Quality Fund (MFT)

Municipal Bonds