### BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form N-Q January 27, 2014

#### **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 811-08349

Name of Fund: BlackRock MuniHoldings Investment Quality Fund (MFL)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock MuniHoldings

Investment Quality Fund, 55 East 52<sup>nd</sup> Street, New York, NY 10055

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

Date of fiscal year end: 08/31/2014

Date of reporting period: 11/30/2013

Item 1 Schedule of Investments

## Schedule of Investments November 30, 2013 (Unaudited)

BlackRock MuniHoldings Investment Quality Fund (MFL)

Municipal Pands	Par (000)	Value	
Municipal Bonds Alabama 4.4%	(000)	value	
City of Birmingham Alabama Special Care Facilities Financing Authority, RB, Children s Hospital (AGC):			
6.13%, 6/01/34	\$ 4,980	\$ 5,589,552	
6.00%, 6/01/39	10,995	12,296,038	
City of Madison Alabama, GO, Refunding, 5.00%, 4/01/37	3,370	3,463,450	
City of Selma Alabama IDB, RB, Gulf Opportunity Zone, International Paper Co. Project,	3,370	3,103,130	
Series A, 5.38%, 12/01/35	1,745	1,697,187	
		23,046,227	
California 24.1%		• •	
California Educational Facilities Authority, RB, University of Southern California, Series A,			
5.25%, 10/01/38	8,920	9,511,664	
California Health Facilities Financing Authority, RB, Sutter Health, Series B, 6.00%, 8/15/42	5,370	6,138,393	
California State Public Works Board, LRB:			
Department of Corrections and Rehabilitation, Series F, 5.25%, 9/01/33	2,240	2,338,918	
Various Capital Projects, Series I, 5.50%, 11/01/31	2,615	2,835,392	
Various Capital Projects, Series I, 5.50%, 11/01/33	2,000	2,161,900	
City & County of San Francisco Airports Commission, Refunding ARB, 2nd Series A, AMT:	_,	_,,	
5.50%, 5/01/28	3,330	3,609,920	
5.25%, 5/01/33	2,600	2,687,750	
City of Manteca California Financing Authority, RB, Manteca Sewer (AGC):	2,000	2,007,730	
5.63%, 12/01/33	2,450	2,608,221	
5.75%, 12/01/36	3,285	3,495,437	
City of San Jose California, Refunding ARB, Series A-1, AMT, 5.75%, 3/01/34 County of Los Angeles California Public Works Financing Authority, LRB, Multiple Capital	4,450	4,697,687	
Projects II, 5.00%, 8/01/42	6,475	6,492,612	
·	Par		
Municipal Bonds	(000)	Value	
California (concluded)			
County of Sacramento California, ARB, Senior Series A (AGC), 5.50%, 7/01/41	\$ 5,600	\$ 6,141,128	
Kern Community College District, GO, Safety, Repair & Improvement, Election of 2002, Series C 5 50% 11/01/33		4 874 003	
Series C, 5.50%, 11/01/33	4,365	4,874,003	
Series C, 5.50%, 11/01/33 Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%,	4,365		
Series C, 5.50%, 11/01/33 Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25		4,874,003 4,021,864	
Series C, 5.50%, 11/01/33 Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25 Los Angeles Community College District California, GO:	4,365 3,485	4,021,864	
Series C, 5.50%, 11/01/33 Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25 Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32	4,365 3,485 10,000	4,021,864 10,497,000	
Series C, 5.50%, 11/01/33 Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25 Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32 Election of 2008, Series C, 5.25%, 8/01/39	4,365 3,485	4,021,864	
Series C, 5.50%, 11/01/33 Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25 Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32 Election of 2008, Series C, 5.25%, 8/01/39 Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%,	4,365 3,485 10,000 3,375	4,021,864 10,497,000 3,607,909	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38	4,365 3,485 10,000	4,021,864 10,497,000	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC),	4,365 3,485 10,000 3,375 5,000	4,021,864 10,497,000 3,607,909 5,285,200	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39	4,365 3,485 10,000 3,375 5,000 2,980	4,021,864 10,497,000 3,607,909 5,285,200 3,251,389	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34	4,365 3,485 10,000 3,375 5,000 2,980 4,110	4,021,864 10,497,000 3,607,909 5,285,200 3,251,389 4,360,217	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37	4,365 3,485 10,000 3,375 5,000 2,980	4,021,864 10,497,000 3,607,909 5,285,200 3,251,389	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%,	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275	4,021,864 10,497,000 3,607,909 5,285,200 3,251,389 4,360,217 3,399,843	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%, 8/01/34	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275 4,690	4,021,864 10,497,000 3,607,909 5,285,200 3,251,389 4,360,217 3,399,843 5,105,440	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%, 8/01/34  State of California, GO, Various Purposes (AGC), 5.50%, 11/01/39	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275	4,021,864 10,497,000 3,607,909 5,285,200 3,251,389 4,360,217 3,399,843	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%, 8/01/34  State of California, GO, Various Purposes (AGC), 5.50%, 11/01/39  University of California, Refunding RB, The Regents of Medical Center, Series J, 5.25%,	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275 4,690 15,000	4,021,864 10,497,000 3,607,909 5,285,200 3,251,389 4,360,217 3,399,843 5,105,440 16,208,400	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%, 8/01/34  State of California, GO, Various Purposes (AGC), 5.50%, 11/01/39  University of California, Refunding RB, The Regents of Medical Center, Series J, 5.25%, 5/15/38	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275 4,690 15,000 10,050	4,021,864  10,497,000 3,607,909  5,285,200  3,251,389 4,360,217 3,399,843  5,105,440 16,208,400  10,468,080	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%,	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275 4,690 15,000	4,021,864 10,497,000 3,607,909 5,285,200 3,251,389 4,360,217 3,399,843 5,105,440 16,208,400	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%, 8/01/34  State of California, GO, Various Purposes (AGC), 5.50%, 11/01/39  University of California, Refunding RB, The Regents of Medical Center, Series J, 5.25%, 5/15/38  Washington Township Health Care District, GO, Election of 2004, Series B, 5.50%, 8/01/40	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275 4,690 15,000 10,050	4,021,864  10,497,000 3,607,909  5,285,200  3,251,389 4,360,217 3,399,843  5,105,440 16,208,400  10,468,080	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%, 8/01/34  State of California, GO, Various Purposes (AGC), 5.50%, 11/01/39  University of California, Refunding RB, The Regents of Medical Center, Series J, 5.25%, 5/15/38  Washington Township Health Care District, GO, Election of 2004, Series B, 5.50%, 8/01/40  Colorado 2.3%	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275 4,690 15,000 10,050	4,021,864  10,497,000 3,607,909  5,285,200  3,251,389 4,360,217 3,399,843  5,105,440 16,208,400  10,468,080 1,786,824	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%, 8/01/34  State of California, GO, Various Purposes (AGC), 5.50%, 11/01/39  University of California, Refunding RB, The Regents of Medical Center, Series J, 5.25%, 5/15/38	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275 4,690 15,000 10,050 1,685	4,021,864  10,497,000 3,607,909  5,285,200  3,251,389 4,360,217 3,399,843  5,105,440 16,208,400  10,468,080 1,786,824  125,585,191	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%, 8/01/34  State of California, GO, Various Purposes (AGC), 5.50%, 11/01/39  University of California, Refunding RB, The Regents of Medical Center, Series J, 5.25%, 5/15/38  Washington Township Health Care District, GO, Election of 2004, Series B, 5.50%, 8/01/40  Colorado 2.3%  City & County of Denver Colorado Airport System, ARB, Series A, AMT: 5.50%, 11/15/28	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275 4,690 15,000 10,050	4,021,864  10,497,000 3,607,909  5,285,200  3,251,389 4,360,217 3,399,843  5,105,440 16,208,400  10,468,080 1,786,824  125,585,191  2,876,823	
Series C, 5.50%, 11/01/33 Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25 Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32 Election of 2008, Series C, 5.25%, 8/01/39 Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38 Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39 Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34 Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37 San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%, 8/01/34 State of California, GO, Various Purposes (AGC), 5.50%, 11/01/39 University of California, Refunding RB, The Regents of Medical Center, Series J, 5.25%, 5/15/38 Washington Township Health Care District, GO, Election of 2004, Series B, 5.50%, 8/01/40  Colorado 2.3% City & County of Denver Colorado Airport System, ARB, Series A, AMT: 5.50%, 11/15/28 5.50%, 11/15/30	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275 4,690 15,000 10,050 1,685	4,021,864  10,497,000 3,607,909  5,285,200  3,251,389 4,360,217 3,399,843  5,105,440 16,208,400  10,468,080 1,786,824  125,585,191	
Series C, 5.50%, 11/01/33  Los Angeles California Unified School District, GO, Election of 2002, Series D, 5.25%, 7/01/25  Los Angeles Community College District California, GO: Election of 2001, Series A (NPFGC), 5.00%, 8/01/32  Election of 2008, Series C, 5.25%, 8/01/39  Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38  Los Angeles Municipal Improvement Corp., Refunding LRB, Real Property, Series B (AGC), 5.50%, 4/01/39  Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 8/01/34  Sacramento California Municipal Utility District, RB, Series A, 5.00%, 8/15/37  San Diego Public Facilities Financing Authority Water, Refunding RB, Series B (AGC), 5.38%, 8/01/34  State of California, GO, Various Purposes (AGC), 5.50%, 11/01/39  University of California, Refunding RB, The Regents of Medical Center, Series J, 5.25%, 5/15/38  Washington Township Health Care District, GO, Election of 2004, Series B, 5.50%, 8/01/40  Colorado 2.3%  City & County of Denver Colorado Airport System, ARB, Series A, AMT: 5.50%, 11/15/28	4,365 3,485 10,000 3,375 5,000 2,980 4,110 3,275 4,690 15,000 10,050 1,685	4,021,864  10,497,000 3,607,909  5,285,200  3,251,389 4,360,217 3,399,843  5,105,440 16,208,400  10,468,080 1,786,824  125,585,191  2,876,823	

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

### BlackRock MuniHoldings Investment Quality Fund (MFL)

	Par		
Municipal Bonds	(000)	Value	
Colorado (concluded)			
Colorado Health Facilities Authority, RB, Hospital, NCMC, Inc. Project, Series B (AGM), 6.00%, 5/15/26	\$ 5,925	\$ 6,579,831	
		11,850,389	
District of Columbia 0.2%		,,-	
District of Columbia Water & Sewer Authority, Refunding RB, Public Utilities, Series A (NPFGC), 5.00%, 10/01/38	1,000	1,040,640	
Florida 12.3%	1.250	1.226.050	
City of Jacksonville Florida, Refunding RB, Series A, 5.25%, 10/01/33  County of Hillsborough Florida Aviation Authority, Refunding ARB, Tampa International Airport, Series A, AMT:	1,250	1,326,850	
5.50%, 10/01/29	5,360	5,612,563	
5.25%, 10/01/30	3,255	3,302,230	
County of Lee Florida, Refunding ARB, Series A, AMT, 5.38%, 10/01/32	4,600	4,689,746	
County of Manatee Florida Housing Finance Authority, RB, Series A, AMT (Ginnie Mae, Fannie Mae & Freddie Mac), 5.90%, 9/01/40	500	510,565	
County of Miami-Dade Florida, RB, Seaport:			
Series A, 5.38%, 10/01/33	3,145	3,271,523	
Series B, AMT, 6.25%, 10/01/38	1,405	1,492,897	
Series B, AMT, 6.00%, 10/01/42	1,885	1,957,177	
County of Miami-Dade Florida, Refunding RB:			
Transit System Sales Surtax, 5.00%, 7/01/42	6,065	6,170,652	
Water & Sewer System, Series B, 5.25%, 10/01/29	8,745	9,522,431	
County of Miami-Dade Florida Aviation, Refunding ARB, Series A, AMT:			
Miami International Airport (AGM), 5.50%, 10/01/41	3,500	3,685,185	
5.00%, 10/01/31	10,465	10,471,698	
County of Miami-Dade Florida Housing Finance Authority, MRB, Marbrisa Apartments Project, Series 2A, AMT (AGM), 6.00%, 8/01/26	2,185	2,187,644	
W ** 1D 1	Par	*7. 1	
Municipal Bonds Florida (concluded)	(000)	Value	
Florida Housing Finance Corp., RB, M/F Housing, Waverly Apartments, Series C-1, AMT			
(AGM), 6.30%, 7/01/30	\$ 2,055	\$ 2,057,404	
Florida Housing Finance Corp., Refunding RB, Homeowner Mortgage, Series 2, AMT (NPFGC):	120	100.400	
5.75%, 7/01/14	120	120,433	
5.90%, 7/01/29  Pandy Creak Improvement District CO. Series A. 5.25%, 6/01/22	4,445	4,478,249	
Reedy Creek Improvement District, GO, Series A, 5.25%, 6/01/32	3,225	3,438,656	
		64,295,903	
Illinois 17.3%			
City of Chicago Illinois, GARB, O Hare International Airport, 3rd Lien:			
Series A, 5.75%, 1/01/39	7,395	7,677,563	
Series C, 6.50%, 1/01/41	16,800	18,819,192	
City of Chicago Illinois, Refunding RB, Sales Tax, Series A, 5.25%, 1/01/38	2,445	2,486,761	
City of Chicago Illinois Transit Authority, RB:	( 215	6 920 051	
Federal Transit Administration, Section 5309, Series A (AGC), 6.00%, 6/01/26	6,315	6,830,051	
Sales Tax Receipts, 5.25%, 12/01/36 Sales Tax Receipts, 5.25%, 12/01/40	1,960 9,040	1,999,768 9,134,106	
City of Chicago Illinois Transit Authority, Refunding RB, Federal Transit Administration,	9,040	9,134,100	
Section 5309 (AGM), 5.00%, 6/01/28	7,735	7,900,297	
County of Cook Illinois Community College District No. 508, GO, City College of Chicago:	1,133	1,700,271	
5.50%, 12/01/38	2,145	2,238,930	
5.25%, 12/01/43	2,500	2,509,650	
Illinois Finance Authority, RB:	,=	, <b>,</b>	
Carle Foundation, Series A, 6.00%, 8/15/41	4,000	4,295,320	
University of Chicago, Series B, 5.50%, 7/01/37	10,000	10,789,200	
Railsplitter Tobacco Settlement Authority, RB:			

5.50%, 6/01/23	4,365	4,788,929
6.00%, 6/01/28	1,245	1,355,394
State of Illinois, GO, Various Purposes:		
5.50%, 7/01/33	7,820	7,947,779

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND NOVEMBER 30, 2013

BlackRock MuniHoldings Investment Quality Fund (MFL)

Municipal Bonds Illinois (concluded)	Par (000)	Value	
State of Illinois, GO, Various Purposes (concluded):			
5.50%, 7/01/38	\$ 1,295	\$ 1,293,200	
		90,066,140	
ndiana 4.4%		70,000,140	
ndiana Finance Authority, RB, Series A:			
Ohio River Bridges East End Crossing Project, AMT, 5.00%, 7/01/40	1,240	1,121,828	
Ohio River Bridges East End Crossing Project, AMT, 5.00%, 7/01/44	495	438,575	
Vastewater, 1st Lien, 5.25%, 10/01/31	3,075	3,305,594	
ndiana Municipal Power Agency, Refunding RB, Series A:			
5.25%, 1/01/32	1,500	1,584,375	
5.25%, 1/01/33	1,500	1,576,035	
ndianapolis Local Public Improvement Bond Bank, Refunding RB, Waterworks Project, Series A (AGC), 5.50%, 1/01/38	14,105	14,804,890	
(AGC), 5.50 %, 1/01/36	14,103	14,604,690	
Louisiana 1.7%		22,831,297	
City of New Orleans Louisiana Aviation Board, Refunding GARB, Restructuring (AGC):			
Series A-1, 6.00%, 1/01/23	500	565,000	
Series A-1, 6.00%, 1/01/23	720		
Cobacco Settlement Financing Corp., Refunding RB, Asset-Backed, Series A:	720	813,600	
5.50%, 5/15/28	3,500	3,636,395	
.50%, 5/15/29	3,735	3,845,668	
.30%, 3/13/29	3,733	3,843,008	
		8,860,663	
Massachusetts 1.9%	0.425	0.022.524	
Massachusetts School Building Authority, RB, Senior Series B, 5.00%, 10/15/41	9,435	9,833,534	
Michigan 6.1%			
City of Detroit Michigan, RB, Water Supply System, 2nd Lien, Series B (AGM), 6.25%,	( 220	6 422 284	
//01/36	6,320	6,422,384	
# - 11 . 1p 1.	Par	¥7.1	
Municipal Bonds	(000)	Value	
Michigan (concluded)			
City of Detroit Michigan, Refunding RB, Sewage Disposal System Senior Lien (AGM):	¢ 0.700	¢ 2.050.477	
Series B, 7.50%, 7/01/33	\$ 2,780	\$ 2,959,477	
Series C-1, 7.00%, 7/01/27	9,055	9,530,206	
Audsonville Public Schools, GO, School Building & Site (Q-SBLF), 5.25%, 5/01/41	6,015	6,148,172	
Royal Oak Hospital Finance Authority, Refunding RB, William Beaumont Hospital Obligated Group, Series V, 8.25%, 9/01/39	5,780	6,921,319	
		21.001.770	
Ainnesota 2.2%		31,981,558	
City of Minneapolis Minnesota, Refunding RB, Fairview Health Services, Series B (AGC),	0.000	11 302 920	
.50%, 11/15/38	9,900	11,302,830	
Mississippi 3.7%  Medical Center Educational Building Corp., RB, University of Mississippi Medical Center			
	1 920	1 972 290	
Facilities Expansion & Renovation Project, Series A, 5.00%, 6/01/41	1,830	1,873,280	
Mississippi Development Bank, RB, Special Obligation, Jackson Water & Sewer System			
Project, (AGM):	3 775	1 511 521	
5.75%, 12/01/31 5.75%, 12/01/32	3,775	4,544,534	
5.75%, 12/01/33	2,350	2,804,654	
5.88%, 12/01/40 Minissiumi Stata University Educational Duilding Comp. Perfunding DP. Minissiumi Stata	6,405	7,601,198	
Mississippi State University Educational Building Corp., Refunding RB, Mississippi State	2.200	0.456.060	
Jniversity Improvement Project, 5.25%, 8/01/38	2,300	2,456,262	
		19,279,928	
Nevada 3.4%		1,2.,,20	

County of Clark Nevada, ARB, Las Vegas-McCarran International Airport, Series A (AGM),			
5.25%, 7/01/39	11,175	11,496,728	

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

### BlackRock MuniHoldings Investment Quality Fund (MFL)

	Par	•••	
Municipal Bonds Nevada (concluded)	(000)	Value	
County of Clark Nevada Water Reclamation District, GO, Series A, 5.25%, 7/01/34	\$ 5,850	\$ 6,482,853	
County of Clark Nevada water Rechaniation District, OO, Series A, 3.25 %, 701754	\$ 5,850	\$ 0,462,633	
		17,979,581	
New Jersey 11.3%		-1,2,2,4	
New Jersey EDA, RB:			
The Goethals Bridge Replacement Project, AMT, 5.38%, 1/01/43	6,000	5,874,420	
The Goethals Bridge Replacement Project, AMT, 5.00%, 1/01/31	2,425	2,419,374	
School Facilities Construction (AGC), 6.00%, 12/15/18 (a)	1,430	1,764,277	
School Facilities Construction (AGC), 6.00%, 12/15/34	2,920	3,275,218	
New Jersey Health Care Facilities Financing Authority, RB, Virtua Health, Series A (AGC),			
5.50%, 7/01/38	6,500	6,697,925	
New Jersey Higher Education Student Assistance Authority, Refunding RB, Series 1, AMT,			
5.75%, 12/01/28	4,475	4,712,264	
New Jersey Transportation Trust Fund Authority, RB:			
Transportation Program, Series AA, 5.50%, 6/15/39	8,175	8,686,101	
Transportation System, Series A, 5.50%, 6/15/41	17,710	18,497,918	
Rutgers - The State University of New Jersey, Refunding RB:			
Series J, 5.00%, 5/01/32	3,900	4,203,537	
Series L, 5.00%, 5/01/32	2,410	2,597,570	
		58,728,604	
New York 8.5%		20,1 = 2,000	
City of New York New York Municipal Water Finance Authority, RB, Water & Sewer System,			
2nd General Resolution:			
Fiscal 2009, Series EE, 5.25%, 6/15/40	7,500	7,870,650	
Series FF-2, 5.50%, 6/15/40	4,000	4,262,880	
City of New York New York Municipal Water Finance Authority, Refunding RB, Water &	,	, , , , , , , , , , , , , , , , , , , ,	
Sewer System, 2nd General Resolution, Fiscal 2011, Series EE, 5.38%, 6/15/43	3,475	3,669,635	
	Par	· ·	
Municipal Bonds	(000)	Value	
New York (concluded)			
City of New York New York Transitional Finance Authority, BARB, Fiscal 2011, Sub-Series			
S-2A, 5.00%, 7/15/30	\$ 7,110	\$ 7,606,918	
City of New York New York Transitional Finance Authority Building Aid, BARB, Fiscal 2009,			
Series S-4 (AGC), 5.50%, 1/15/29	4,000	4,518,280	
Metropolitan Transportation Authority, Refunding RB, Series C, 5.00%, 11/15/28	5,500	5,851,010	
Port Authority of New York & New Jersey, Refunding ARB, Consolidated, 166th Series,			
5.25%, 7/15/36	10,000	10,800,300	
		44,579,673	
Ohio 2.2%		TT,313,013	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%,	875	887 617	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37	875	887,617	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1:			
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30	2,645	2,853,056	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31	2,645 5,145	2,853,056 5,521,254	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31	2,645	2,853,056	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31	2,645 5,145	2,853,056 5,521,254 2,402,190	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31 5.25%, 2/15/32	2,645 5,145	2,853,056 5,521,254	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31 5.25%, 2/15/32  Pennsylvania 2.6%	2,645 5,145	2,853,056 5,521,254 2,402,190	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31 5.25%, 2/15/32  Pennsylvania 2.6% Pennsylvania 4.6% Pennsylvania Higher Educational Facilities Authority, RB, Temple University, 1st Series,	2,645 5,145 2,250	2,853,056 5,521,254 2,402,190 11,664,117	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31 5.25%, 2/15/32  Pennsylvania 2.6% Pennsylvania Higher Educational Facilities Authority, RB, Temple University, 1st Series, 5.00%, 4/01/42	2,645 5,145 2,250 8,325	2,853,056 5,521,254 2,402,190 11,664,117 8,483,591	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31 5.25%, 2/15/32  Pennsylvania 2.6% Pennsylvania Higher Educational Facilities Authority, RB, Temple University, 1st Series,	2,645 5,145 2,250	2,853,056 5,521,254 2,402,190 11,664,117	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31 5.25%, 2/15/32  Pennsylvania 2.6% Pennsylvania Higher Educational Facilities Authority, RB, Temple University, 1st Series, 5.00%, 4/01/42	2,645 5,145 2,250 8,325	2,853,056 5,521,254 2,402,190 11,664,117 8,483,591 5,343,271	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31 5.25%, 2/15/32  Pennsylvania 2.6% Pennsylvania Higher Educational Facilities Authority, RB, Temple University, 1st Series, 5.00%, 4/01/42 Pennsylvania Turnpike Commission, RB, Sub-Series A, 6.00%, 12/01/41	2,645 5,145 2,250 8,325	2,853,056 5,521,254 2,402,190 11,664,117 8,483,591	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31 5.25%, 2/15/32  Pennsylvania 2.6% Pennsylvania Higher Educational Facilities Authority, RB, Temple University, 1st Series, 5.00%, 4/01/42 Pennsylvania Turnpike Commission, RB, Sub-Series A, 6.00%, 12/01/41  South Carolina 3.8%	2,645 5,145 2,250 8,325 4,945	2,853,056 5,521,254 2,402,190 11,664,117 8,483,591 5,343,271 13,826,862	
Ohio Higher Educational Facility Commission, Refunding RB, Kenyon College Project, 5.00%, 7/01/37 Ohio State Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1: 5.25%, 2/15/30 5.25%, 2/15/31 5.25%, 2/15/32  Pennsylvania 2.6% Pennsylvania Higher Educational Facilities Authority, RB, Temple University, 1st Series, 5.00%, 4/01/42 Pennsylvania Turnpike Commission, RB, Sub-Series A, 6.00%, 12/01/41	2,645 5,145 2,250 8,325	2,853,056 5,521,254 2,402,190 11,664,117 8,483,591 5,343,271	

County of Charleston South Carolina Airport District, ARB, Series A, AMT:

5.25	5%, 7/01/25	4,030	4,364,409
6.00	0%, 7/01/38	5.270	5.609.441

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND NOVEMBER 30, 2013

BlackRock MuniHoldings Investment Quality Fund (MFL)

	Par		
Municipal Bonds	(000)	Value	
South Carolina (concluded) County of Charleston South Carolina Airport District, ARB, Series A, AMT (concluded):			
5.50%, 7/01/41	\$ 2,500	\$ 2,565,425	
5.50%, 11011-11	Ψ 2,500	Ψ 2,505,425	
		19,767,412	
Texas 19.2%		12,707,112	
City of Beaumont Texas, GO, Certificates of Obligation, 5.25%, 3/01/37	4,190	4,510,912	
City of Houston Texas Utility System, Refunding RB, Combined 1st Lien, Series A (AGC):			
6.00%, 11/15/35	12,700	14,381,353	
6.00%, 11/15/36	9,435	10,714,292	
5.38%, 11/15/38	5,000	5,314,050	
County of Tarrant Texas Cultural Education Facilities Finance Corp., Refunding RB, Christus	1,770	1,932,681	
Health, Series A (AGC), 6.50%, 7/01/37  Dallas Area Rapid Transit, Refunding RB, Senior Lien, 5.25%, 12/01/38	9,110	9,648,310	
Dallas-Fort Worth International Airport, ARB, Joint Improvement AMT:	2,110	7,040,510	
Series A, 5.00%, 11/01/38	4,080	3,879,142	
Series H, 5.00%, 11/01/37	4,575	4,360,158	
Lower Colorado River Authority, Refunding RB, 5.50%, 5/15/33	3,735	4,005,265	
North Texas Tollway Authority, RB, Special Projects, Series A, 5.50%, 9/01/41	3,500	3,755,150	
North Texas Tollway Authority, Refunding RB, 1st Tier:			
(AGM), 6.00%, 1/01/43	5,555	5,985,846	
Series K-1 (AGC), 5.75%, 1/01/38	12,150	13,237,546	
Red River Education Financing Corp., RB, Texas Christian University Project, 5.25%, 3/15/38	7,170	7,715,350	
Waco Educational Finance Corp., Refunding RB, Baylor University, 5.00%, 3/01/43	10,750	10,908,992	
		100,349,047	
Virginia 1.4%			
City of Lexington Virginia IDA, RB, Washington & Lee University, 5.00%, 1/01/43	1,750	1,829,223	
W ' ID I	Par	<b>3</b> 7 1	
Municipal Bonds Virginia (concluded)	(000)	Value	
Virginia (concluded) Virginia Public School Authority, RB, School Financing, 6.50%, 12/01/18 (a)	\$ 4,300	\$ 5,408,884	
v lightia Fubic School Authority, RB, School Financing, 0.50%, 12/01/18 (a)	\$ 4,500	\$ 3,400,004	
		7 229 107	
Washington 1.5%		7,238,107	
City of Seattle Washington Municipal Light & Power, Refunding RB, Series A, 5.25%, 2/01/36	4,200	4,497,276	
State of Washington, GO, Various Purposes, Series B, 5.25%, 2/01/36	3,290	3,527,077	
	-,	-,,	
		8,024,353	
Total Municipal Bonds 134.5%		702,132,056	
Total Municipal Bonds 154.5 /6		702,132,030	
Municipal Bonds Transferred to			
Tender Option Bond (TOB) Trusts (c)			
Alabama 1.3%			
City of Mobile Alabama Board of Water and Sewer Commissioners, RB (NPFGC), 5.00%,	6,500	6,773,780	
1/01/31 California 2.7%	0,300	0,773,780	
California State University, Refunding RB, Systemwide, Series A (AGM), 5.00%, 11/01/32	7,960	8,277,206	
Los Angeles Unified School District California, GO, Series I, 5.00%, 1/01/34	2,400	2,528,136	
University of California, Refunding RB, Limited Project, Series G, 5.00%, 5/15/37	3,020	3,149,282	
• • • • • • • • • • • • • • • • • • • •	- /~-~	-, -,	
		13 954 624	
District of Columbia 0.7%		13,954,624	
		13,954,624	
District of Columbia 0.7% District of Columbia Water & Sewer Authority, Refunding RB, Senior Lien, Series A, 6.00%, 10/01/35 (d)	3,379	13,954,624 3,766,854	

County of Hillsborough Florida Aviation Authority, ARB, Tempa International Airport, Series		
A, AMT (AGC), 5.50%, 10/01/38	10,657	11,299,504

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

NOVEMBER 30, 2013

4

BlackRock MuniHoldings Investment Quality Fund (MFL)

(Percentages shown are based on Net Assets)

Municipal Bonds Transferred to Tender Option Bond (TOB) Trusts (c) Florida (concluded)	Par (000)	Value
County of Lee Florida Housing Finance Authority, RB, Multi-County Program, Series A-2, AMT (Ginnie Mae), 6.00%, 9/01/40	\$ 1,965	\$ 2,053,798
		13,353,302
Indiana 1.9%		
Indiana Health & Educational Facilities Financing Authority, Refunding RB, St. Francis, Series E (AGM), 5.25%, 5/15/41  Kentucky 0.1%	9,850	9,922,890
Kentucky 5.1 % Kentucky State Property & Building Commission, Refunding RB, Project No. 93 (AGC), 5.25%, 2/01/27	404	444,927
Nevada 2.8%		7
County of Clark Nevada Water Reclamation District, GO:		
Limited Tax, 6.00%, 7/01/38	8,000	9,038,000
Series B, 5.50%, 7/01/29	5,008	5,713,376
		14,751,376
New Jersey 3.7%		
New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29  New Jersey Transportation Trust Fund Authority, RB, Transportation Systems	7,402	7,694,454
New Jersey Transportation Trust Fund Authority, RB, Transportation System: Series A (AGM, AMBAC), 5.00%, 12/15/32	8,000	8,348,400
Series B, 5.25%, 6/15/36 (d)	2,961	3,082,102
	,	19,124,956
New York 11.2%		
City of New York New York Municipal Water Finance Authority, RB, Water & Sewer System, 2nd General Resolution, Series FF-2, 5.50%, 6/15/40	4,994	5,322,487
City of New York New York Transitional Finance Authority, BARB, Series S-3, 5.25%, 1/15/39	5,619	6,019,567
Hudson Yards Infrastructure Corp., RB, Fiscal 2012, Series A, 5.75%, 2/15/47 (d)  Municipal Bonds Transferred to	9,249 <b>Par</b>	9,868,381
Tender Option Bond (TOB) Trusts (c) New York (concluded)	(000)	Value
New York Liberty Development Corp., RB, 1 World Trade Center Port Authority		
Construction, 5.25%, 12/15/43	\$ 13,950	\$ 14,563,102
New York Liberty Development Corp., Refunding RB, 4 World Trade Center Project, 5.75%, 11/15/51 (d)	8,200	8,738,166
New York State Dormitory Authority, ERB, Personal Income Tax, Series B, 5.25%, 3/15/38	13,500	14,237,910
		58,749,613
Texas 4.5%		
City of San Antonio Texas Public Service Board, Refunding RB, Series A, 5.25%, 2/01/31 (d)	12,027	13,251,117
North Texas Tollway Authority, RB, Special Projects, System, Series A, 5.50%, 9/01/41	9,640	10,342,756
		23,593,873
Utah 1.2%	( 271	( 42( (40
City of Riverton Utah, RB, IHC Health Services, Inc., 5.00%, 8/15/41  Total Municipal Bonds Transferred to  Tender Option Bond (TOB) Trusts 32.7%	6,371	6,436,640 170,872,835
Total Long-Term Investments (Cost \$845,454,318) 167.2%		873,004.891
(COSE \$\psi \psi \psi \psi \psi \psi \psi \psi		073,004,071
Short-Term Securities California 0.1%		
Camping v.1 //	700	700,000

700,000

700

California Infrastructure & Economic Development Bank, Refunding RB, VRDN, Pacific Gas & Electric Co., Series D (Sumitomo Mitsui Banking Corp. LOC), 0.04%, 12/02/13 (e)

Connecticut 0.4%

Connecticut Housing Finance Authority, Refunding RB, VRDN, Housing Mortgage Finance Program, Sub-Series A-2 (JPMorgan Chase Bank SBPA), 0.06%, 12/02/13 (e)

2,000

2,000,000

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND 6

#### BlackRock MuniHoldings Investment Quality Fund (MFL)

Par

Short-Term Securities	(000)	Value	
Florida 0.6%			
County of Sarasota Florida Public Hospital District, Refunding RB, VRDN, Sarasota Memorial			
Hospital Project, Series A (Northern Trust Co. LOC), 0.05%, 12/02/13 (e)	\$ 2,900	\$ 2,900,000	
New York 0.3%			
New York City Municipal Water & Sewer Finance Authority, Refunding RB, Water & Sewer			
System, 2nd General Resolution, Fiscal 2011, Series DD-1 (TD Bank NA SBPA), 0.05%,			
12/02/13 (e)	1,500	1,500,000	

Short-Term Securities		Shares		Value	
Money Market Funds 0.8%					
FFI Institutional Tax-Exempt Fund, 0.03% (f)(g)		3,985,974	\$	3,985,974	
Total Short-Term Securities					
(Cost \$11,085,974) 2.2%				11,085,974	
Total Investments					
(Cost \$856,540,292*) 169.4%			8	884,090,865	
Other Assets Less Liabilities 0.6%				3,400,562	
<b>Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable</b>	(17.4%)			(90,995,188)	
VRDP Shares, at Liquidation Value (52.6%)			(2	274,600,000)	
Net Assets Applicable to Common Shares 100.0%			\$ 4	521 896 239	

<sup>\*</sup> As of November 30, 2013, gross unrealized appreciation and depreciation based on cost for federal income tax purposes were as follows:

Tax cost	\$ 766,984,516
Gross unrealized appreciation	\$ 35,320,322
Gross unrealized depreciation	(9,181,149)
Net unrealized appreciation	\$ 26,139,173
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) When-issued security. Unsettled when-issued transactions were as follows:

		Unrealized
Counterparty	Value	Appreciation
Wells Fargo Securities, LLC	\$ 7,228,137	\$ 90,990

<sup>(</sup>c) Represent bonds transferred to a TOB. In exchange the Fund acquired residual interest certificates. These bonds serve as collateral in a financing transaction.

All or a portion of security is subject to a recourse agreement, which may require the Fund to pay the liquidity provider in the event there is a shortfall between the TOB trust certificates and proceeds received from the sale of the security contributed to the TOB trust. In the case of a shortfall, the aggregate maximum potential amount the Fund could ultimately be required to pay under the agreements, which expire from October 1, 2016 to November 15, 2019 is \$22,520,646.

- (e) Variable rate security. Rate shown is as of report date and maturity shown is the date the principal owed can be recovered through demand.
- (f) Investments in issuers considered to be an affiliate of the Fund during the period ended November 30, 2013, 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	
Affiliate	August 31, 2013	Activity	November 30, 2013	Income
FFI Institutional Tax-Exempt Fund	27,631,574	(23,645,600)	3,985,974	\$ 750

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

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

BlackRock MuniHoldings Investment Quality Fund (MFL)

#### **Portfolio Abbreviations**

8

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 Guarantee Corp.
AGM Assured Guaranty Municipal Corp.
AMBAC American Municipal Bond Assurance Corp.
AMT Alternative Minimum Tax (subject to)

ARB Airport Revenue Bonds
BARB Building Aid Revenue Bonds
EDA Economic Development Authority
ERB Education Revenue Bonds
Fannie Mae Federal National Mortgage Association
Freddie Mac GARB General Airport Revenue Bonds

Ginnie Mae Government National Mortgage Association

GO General Obligation Bonds
IDA Industrial Development Authority
IDB Industrial Development Board

LOC Letter of Credit
LRB Lease Revenue Bonds
M/F Multi-Family

MRB Mortgage Revenue Bonds

NPFGC National Public Finance Guarantee Corp.
Q-SBLF Qualified School Bond Loan Fund

RB Revenue Bonds

SBPA Stand-by Bond Purchase Agreements

S/F Single-Family

VRDN Variable Rate Demand Notes

Financial futures contracts as of November 30, 2013 were as follows:

Contracts				Notional	Unrealized
Sold	Issue	Exchange	Expiration	Value	Appreciation
(323)	10-Year US Treasury Note	Chicago Board of Trade	December 2013	\$ 40,904,922	\$ 206,570

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

### Schedule of Investments (continued)

BlackRock MuniHoldings Investment Quality Fund (MFL)

Fair Value Measurements Various inputs are used in determining the fair value of investments and derivative financial instruments. 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 or 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 and derivative financial instruments)

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 fair value hierarchy classification 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 and derivative financial instruments is based on the pricing transparency of the investment and derivative financial instrument 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 derivative financial instruments, please refer to the Fund s most recent financial statements as contained in its annual report.

The following tables summarize the Fund s investments and derivative financial instruments categorized in the disclosure hierarchy as of November 30, 2013:

	Level 1	Level 2	Level 3	Total
Assets:				
Investments:				
Long-Term Investments <sup>1</sup>		\$ 873,004,891		\$ 873,004,891
Short-Term Securities	\$ 3,985,974	7,100,000		11,085,974
Total	\$ 3,985,974	\$ 880,104,891		\$ 884,090,865

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

	Level 1	Level 2	Level 3		Total
Derivative Financial Instruments <sup>2</sup>					
Assets:					
Interest rate contracts	\$ 206,570			\$	206,570
<sup>2</sup> Derivative financial instruments are financial futures contracts, which are valued at the unrealized appreciation/depreciation on the instrument.					

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

# Schedule of Investments (concluded)

BlackRock MuniHoldings Investment Quality Fund (MFL)

Certain of the Fund s assets and/or liabilities are held at carrying amount, which approximates fair value for financial reporting purposes. As of November 30, 2013, such assets and/or liabilities are categorized within the disclosure hierarchy as follows:

	Level 1	Level 2	Level 3	Total
Assets:				
Cash pledged for financial futures contracts	\$ 572,000			\$ 572,000
Liabilities:				
Bank overdraft		\$ (10,896)		(10,896)
TOB trust certificates		(90,967,176)		(90,967,176)
VRDP Shares		(274,600,000)		(274,600,000)
Total	\$ 572,000	\$ (365,578,072)		\$ (365,006,072)

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

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BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

#### 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

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 MuniHoldings Investment Quality Fund

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

Date: January 24, 2014

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 MuniHoldings Investment Quality Fund

Date: January 24, 2014

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

Date: January 24, 2014