BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. Form N-Q March 23, 2017

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: 811-21348

Name of Fund: BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock Muni Intermediate Duration Fund, Inc., 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: 04/30/2017

Date of reporting period: 01/31/2017

Item 1 Schedule of Investments

Schedule of Investments January 31, 2017 (Unaudited)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

(Percentages shown are based on Net Assets)

Aunicipal Bonds	Par (000)	Value
Alabama 3.0%		
Sity of Birmingham Alabama Special Care Facilities Financing Authority, RB, Children s Hospital (AGC), .00%, 6/01/19 (a)	\$ 4,615	\$ 5,116,881
County of Jefferson Alabama, RB, Limited Obligation School, Series A:		
.50%, 1/01/21	5,500	5,522,385
.25%, 1/01/23	6,500	6,526,455
		17,165,721
rizona 3.6%		17,105,721
rizona Board of Regents, University of Arizona, RB, 5.00%, 8/01/28	2,000	2,225,840
rizona Health Facilities Authority, Refunding RB, Phoenix Children s Hospital, Series A, 5.00%, 2/01/30	2,685	2,894,886
rizona State University, RB, Series D, 5.00%, 7/01/32	1,350	1,550,570
ity of Phoenix Arizona IDA, RB, Facility, Legacy Traditional Schools Project, Series A, 5.75%, 7/01/24 (b)	750	821,895
ity of Tucson Arizona, COP, Refunding, (AGC), 4.00%, 7/01/20	2,325	2,499,328
ounty of Pinal Arizona Electric District No. 3, Refunding RB, 5.00%, 7/01/21 (a)	1,600	1,834,000
lendale Union School District No. 205, GO, Series C:	,	.,,
00%, 7/01/24	1,945	2,245,308
.00%, 7/01/27	500	565,760
hoenix-Mesa Gateway Airport Authority, RB, Mesa Project, AMT:	500	565,700
00%, 7/01/27	700	771,715
00%, 7/01/22	1,925	2,084,063
cottsdale IDA, Refunding RB, Scottsdale Healthcare, Series C (AGM), 5.00%, 9/01/35	2,050	2,199,076
tate of Arizona, COP, Department of Administration, Series A (AGM), 4.25%, 10/01/23	1,000	1,050,990
ate of Arizona, COF, Department of Administration, Series A (AOM), 4.25%, 10/01/25	1,000	1,050,990
		20,743,431
rkansas 1.0% rkansas State University, RB, 5.00%, 12/01/33	480	534,192
ity of Benton, RB, 5.00%, 6/01/29	1,055	1,202,246
ny of Benon, KB, 5.00%, 600125	Par	1,202,240
Iunicipal Bonds	(000)	Value
rkansas (continued)	(000)	value
inversity of Arkansas, Refunding RB:		
	\$ 2,315	\$ 2,659,426
.00%, 3/01/34	1,270	1,439,393
		5,835,257
alifornia 4.1% alifornia Haalth Facilitias Financing Authority, P.P. Sutter Health Series P. 5,00%, 8/15/22	2 1 2 5	2 106 259
alifornia Health Facilities Financing Authority, RB, Sutter Health, Series B, 5.00%, 8/15/22	2,135	2,406,358
alifornia Health Facilities Financing Authority, Refunding RB, 5.00%, 11/15/29	1,930	2,253,391
alifornia Infrastructure & Economic Development Bank, Refunding RB, 4.00%, 11/01/31	1,335	1,385,343
alifornia Pollution Control Financing Authority, RB, Mandatory Put Bonds, Republic Services, Inc. Project, eries B, AMT, 5.25%, 6/01/23 (c)	605	620,923
alifornia Pollution Control Financing Authority, Refunding RB, Pacific Gas, Series C, AMT (NPFGC),		
75%, 12/01/23	5,000	5,059,250
ity of San Jose California, Refunding ARB, Series A-1, AMT, 5.00%, 3/01/25	2,000	2,176,860
ate of California, GO:	_,000	2,17,0,000
50%, 4/01/28	15	15,052
arious Purposes, 5.00%, 11/01/17 (a)	1,235	1,273,841
arious Purposes, 5.75%, 4/01/31	7,000	7,635,670
arious Purposes, 5.00%, 11/01/32	765	785,043
unous 1 urposos, 5.00 /0, 11/01/52	705	705,045
		23,611,731
olorado 1.0%		25,011,751
enver Urban Renewal Authority, Refunding, Tax Allocation Bond, Stapleton, Senior-Series A-1, 5.00%,		
	2 500	2 856 275
2/01/23	2,500	2,856,275

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JANUARY 31, 2017

1

	Par		
Municipal Bonds	(000)	Value	
Colorado (continued) University of Northern Colorado, Refunding RB, Series A, 5.00%, 6/01/31	\$ 2,000	\$ 2,267,100	
University of Normern Colorado, Refaining RD, Series A, 5.0076, 0/01/51	φ 2,000	φ 2,207,100	
		5,663,340	
Connecticut 3.2%		5,005,540	
Connecticut State Health & Educational Facility Authority, Refunding RB:			
5.00%, 12/01/33	3,015	3,385,061	
Lawrence & Memorial Hospital, Series F, 5.00%, 7/01/31	4,530	4,857,474	
University of Connecticut, RB, Series A:			
5.00%, 3/15/31	5,025	5,684,531	
5.00%, 3/15/32	4,000	4,501,560	
		18,428,626	
Florida 6.9%		•	
County of Broward Florida School Board, COP, Refunding, Series A (AGM), 5.00%, 7/01/24	10,000	11,067,800	
County of Lee Florida, Refunding ARB, Series A, AMT:			
5.50%, 10/01/23	1,000	1,133,150	
(AGM), 5.00%, 10/01/27	1,635	1,800,707	
County of Miami-Dade Florida, RB, AMT, Series B:	2.470	4.000 (25	
6.00%, 10/01/28	3,470	4,098,625	
6.00%, 10/01/29 County of Miami-Dade Florida Educational Facilities Authority, Refunding RB, Series A, 5.00%, 4/01/32	3,480 5,020	4,096,064 5,569,439	
County of Miami-Dade Florida Educational Facinities Autority, Kerunding KB, Senes A, 5.00%, 4/01/32 County of Miami-Dade Florida Transit System Sales Surtax Revenue, Refunding RB, 5.00%, 7/01/32	1,500	1,668,750	
County of Miani-Dade Florida Hanst System Sales Surfax Revenue, Refunding RB, Series C (BHAC),	1,500	1,000,750	
5.00%. 10/01/18 (a)	8,000	8,514,400	
Midtown Miami Community Development District, Refunding, Special Assessment Bonds, Series A,	0,000	0,011,100	
4.25%, 5/01/24	1,665	1,717,381	
	Par		
	1 41		
Municipal Bonds	(000)	Value	
Florida (continued)		Value	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B,	(000)		
Florida (continued)		Value \$ 104,975	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B,	(000)		
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B,	(000)	\$ 104,975	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e)	(000)	\$ 104,975	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0%	(000) \$ 150 10,000	\$ 104,975 39,771,291 11,506,800	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29	(000) \$ 150	\$ 104,975 39,771,291	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5%	(000) \$ 150 10,000	\$ 104,975 39,771,291 11,506,800	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A:	(000) \$ 150 10,000 5,000	\$ 104,975 39,771,291 11,506,800 5,553,250	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32	(000) \$ 150 10,000 5,000	\$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A:	(000) \$ 150 10,000 5,000	\$ 104,975 39,771,291 11,506,800 5,553,250	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32	(000) \$ 150 10,000 5,000	\$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082 1,147,980	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32 5.00%, 4/01/33	(000) \$ 150 10,000 5,000	\$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082	
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Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32 5.00%, 4/01/33	(000) \$ 150 10,000 5,000 1,300 1,000	 \$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082 1,147,980 2,647,062 	
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Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32 5.00%, 4/01/33 Illinois 16.7% City of Chicago Illinois Midway International Airport, Refunding ARB, 2nd Lien, Series A: 5.00%, 1/01/32 AMT, 5.50%, 1/01/32	(000) \$ 150 10,000 5,000 1,300 1,000	 \$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082 1,147,980 2,647,062 	
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Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32 5.00%, 4/01/33 Hlinois 16.7% City of Chicago Illinois Midway International Airport, Refunding ARB, 2nd Lien, Series A: 5.00%, 1/01/32 AMT, 5.50%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, AMT, Series C: 5.25%, 1/01/28	(000) \$ 150 10,000 5,000 1,300 1,000 5,000 1,500 1,350	 \$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082 1,147,980 2,647,062 5,380,700 1,678,575 	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32 5.00%, 4/01/33 Illinois 16.7% City of Chicago Illinois Midway International Airport, Refunding ARB, 2nd Lien, Series A: 5.00%, 1/01/32 AMT, 5.50%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, AMT, Series C: 5.25%, 1/01/28 5.25%, 1/01/29	(000) \$ 150 10,000 5,000 1,300 1,000 5,000 1,350 1,350 3,020	\$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082 1,147,980 2,647,062 5,380,700 1,678,575 1,521,315 3,391,007	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32 5.00%, 4/01/33 Illinois 16.7% City of Chicago Illinois Midway International Airport, Refunding ARB, 2nd Lien, Series A: 5.00%, 1/01/32 AMT, 5.50%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, AMT, Series C: 5.25%, 1/01/28 5.25%, 1/01/29 City of Chicago Illinois O Hare International Airport, RB, Refunding GARB, 5.00%, 1/01/32	(000) \$ 150 10,000 5,000 1,300 1,300 1,000 1,350 3,020 3,745 13,000	\$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082 1,147,980 2,647,062 5,380,700 1,678,575 1,521,315 3,391,007	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32 5.00%, 4/01/33 Illinois 16.7% City of Chicago Illinois Midway International Airport, Refunding ARB, 2nd Lien, Series A: 5.00%, 1/01/32 AMT, 5.50%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, AMT, Series C: 5.25%, 1/01/28 5.25%, 1/01/28 5.25%, 1/01/29 City of Chicago Illinois O Hare International Airport, RB, Refunding GARB, 5.00%, 1/01/32 City of Chicago Illinois O Hare International Airport, RB, Refunding GARB, 5.00%, 1/01/32 City of Chicago Illinois O Hare International Airport, RB, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/32 City of Chicago Illinois O Hare International Airport, RB, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/23 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/23 City of Chicago Illinois Transit Authority, RB, 5.25%, 12/01/31	(000) \$ 150 10,000 5,000 1,300 1,000 5,000 1,350 1,350 3,020 3,745	\$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082 1,147,980 2,647,062 5,380,700 1,678,575 1,521,315 3,391,007 4,127,664	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32 Stow, 4/01/33 Illinois 16.7% City of Chicago Illinois Midway International Airport, Refunding ARB, 2nd Lien, Series A: 5.00%, 1/01/32 AMT, 5.50%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, AMT, Series C: 5.25%, 1/01/28 5.25%, 1/01/29 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/23 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/23 City of Chicago Illinois Transit Authority, RB, 5.25%, 12/01/31 Madison-Macoupin Etc. Counties Community College District No. 536, GO, Refunding, Lewis & Clark	(000) \$ 150 10,000 5,000 1,300 1,300 1,000 5,000 1,350 3,020 3,745 13,000	\$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082 1,147,980 2,647,062 5,380,700 1,678,575 1,521,315 3,391,007 4,127,664 14,632,150	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% Citty of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32 5.00%, 4/01/33 Illinois 16.7% City of Chicago Illinois Midway International Airport, Refunding ARB, 2nd Lien, Series A: 5.00%, 1/01/32 AMT, 5.50%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, AMT, Series C: 5.25%, 1/01/28 5.25%, 1/01/29 City of Chicago Illinois O Hare International Airport, RB, Refunding GARB, 5.00%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/28 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/28 City of Chicago Illinois Transit Authority, RB, 5.25%, 12/01/31 Madison-Macoupin Etc. Counties Community College District No. 536, GO, Refunding, Lewis & Clark Community College:	(000) \$ 150 10,000 5,000 1,300 1,300 1,000 1,500 1,500 1,500 1,500 1,500 1,350 3,020 3,745 13,000 3,700	\$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082 1,147,980 2,647,062 5,380,700 1,678,575 1,521,315 3,391,007 4,127,664 14,632,150 3,992,263	
Florida (continued) Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds, Series B, 5.50%, 11/01/10 (d)(e) Georgia 2.0% City of Atlanta Georgia Water & Wastewater Revenue RB, Refunding RB, 5.00%, 11/01/32 Hawaii 1.0% State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 7/01/29 Idaho 0.5% Boise State University, Refunding RB, Series A: 5.00%, 4/01/32 5.00%, 4/01/33 Illinois 16.7% City of Chicago Illinois Midway International Airport, Refunding ARB, 2nd Lien, Series A: 5.00%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, AMT, Series C: 5.25%, 1/01/28 5.25%, 1/01/29 City of Chicago Illinois O Hare International Airport, Refunding GARB, 5.00%, 1/01/32 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/23 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/24 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/23 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/23 City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 1/01/23 City of Chicago Illinois Transit Authority, RB, 5.25%, 12/01/31 Madison-Macoupin Etc. Counties Community College District No. 536, GO, Refunding, Lewis & Clark	(000) \$ 150 10,000 5,000 1,300 1,300 1,000 5,000 1,350 3,020 3,745 13,000	\$ 104,975 39,771,291 11,506,800 5,553,250 1,499,082 1,147,980 2,647,062 5,380,700 1,678,575 1,521,315 3,391,007 4,127,664 14,632,150	

5.00%, 5/01/32	500	541,265	
McHenry County Conservation District, GO, 5.13%, 2/01/17 (a)	12,695	12,695,000	

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BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. JANUARY 31, 2017

	Par	
Municipal Bonds Illinois (continued)	(000)	Value
Railsplitter Tobacco Settlement Authority, RB:		
5.50%, 6/01/23	\$ 3,500	\$ 3,944,815
6.25%, 6/01/24	11,750	11,783,370
State of Illinois, GO:		
5.25%, 2/01/30	5,000	5,125,950
5.00%, 5/01/30	10,000	10,104,300
State of Illinois Toll Highway Authority, RB, Series A, 5.00%, 1/01/34	9,140	10,103,173
State of Illinois Toll Highway Authority, Refunding RB, Senior Series A, 5.00%, 12/01/31	5,220	5,891,919
		95,970,844
Indiana 6.1%	1.000	5 0 10 0 50
City of Whiting Indiana, RB, BP Products North America, Inc. Project, 5.25%, 1/01/21	4,800	5,348,352
County of Jasper Indiana, Refunding RB, Northern Indiana Public Service Co., Series C (NPFGC),	2 000	2 157 420
5.85%, 4/01/19	2,000	2,157,420
Indiana Finance Authority, RB, Wastewater, 1st Lien, Series A, 5.25%, 10/01/31 Indiana Finance Authority, Refunding RB, US Steel Corp. Project, 6.00%, 12/01/19	10,000 5,000	11,280,300 5,144,000
	,	
Indiana Municipal Power Agency, Refunding RB, Series A, 5.00%, 1/01/33	10,000	11,314,200
		35,244,272
Iowa 1.4%		
Iowa Higher Education Loan Authority, RB, Private College Facility:	10.5	7 07 000
5.25%, 4/01/23	695	785,308
5.25%, 4/01/24	730	823,608
5.25%, 4/01/25	520	585,791
5.25%, 4/01/26	360	404,474
Iowa Higher Education Loan Authority, Refunding RB:	620	668,707
Drake University Project, 4.00%, 4/01/27 Drake University Project, 4.00%, 4/01/28	620 750	800,235
Private College Facility, 5.00%, 9/01/20 (a)	2,315	2,599,745
The Concernation, 5.00%, 5001/20 (a)	Par	2,399,743
Municipal Bonds	(000)	Value
Iowa (continued)	(000)	
Iowa Higher Education Loan Authority, Refunding RB (continued):		
Private College Facility, Upper Iowa University Project, 5.00%, 9/01/20 (f)	\$ 1,000	\$ 1,121,140
		7,789,008
Kansas 1.4%		1,105,000
Kansas Development Finance Authority, Refunding RB, Adventist Health System/Sunbelt Obligated Group,		
Series C, 5.00%, 11/15/23	1,500	1,627,080
Seward County Unified School District No 480 Liberal, GO, Refunding:		
5.00%, 9/01/33	1,005	1,153,590
5.00%, 9/01/33	4,995	5,529,265
		8,309,935
Louisiana 4.1%		
City of Bossier City Louisiana Utilities, Refunding RB, 5.00%, 10/01/32	2,000	2,273,520
City of New Orleans Louisiana Aviation Board, Refunding GARB, Restructuring, Series A-2 (AGC), 6.00%,	,	, , *
1/01/23	850	917,116
Louisiana Local Government Environmental Facilities & Community Development Authority, Refunding		
RB, BRCC Facilities Corp. Project:	2 1 1 5	2 820 057
5.00%, 12/01/27	3,445	3,820,057
5.00%, 12/01/28 New Orleans Aviation Reard BR Series Av	3,715	4,119,452
New Orleans Aviation Board, RB, Series A: 5.00%, 1/01/32		
	1 000	
	1,000	1,110,210
5.00%, 1/01/33 State of Louisiana Gasoline & Fuels Tax Revenue, Refunding RB, 4.00%, 5/01/34	1,000 1,000 5,750	1,110,210 1,106,550 5,964,820

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JANUARY 31, 2017

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	Par		
Municipal Bonds	(000)		Value
Louisiana (continued) Terrebonne Levee & Conservation District, RB, Sales Tax, 5.00%, 7/01/28	\$ 3,660	\$	4,028,196
			23,339,921
Maine 0.3%			25,557,721
Portland Housing Development Corp., Refunding RB, Senior Living, Retirement Facilities, Series A, 6.00%, 2/01/34 Maryland 0.8%	1,965		1,967,122
Maryland EDC, RB, Transportation Facilities Project, Series A, 5.13%, 6/01/20	1,615		1,707,249
Maryland Health & Higher Educational Facilities Authority, RB, Johns Hopkins Health System, Series B, 5.00%, 7/01/33	1,140		1,253,179
Maryland Health & Higher Educational Facilities Authority, Refunding RB, 5.00%, 7/01/33	1,500		1,662,345
			4,622,773
Massachusetts 0.8%			
Massachusetts Development Finance Agency, RB, Dana-Farber Cancer Institute Issue, Series N, 5.00%, 12/01/33	1,300		1,464,450
Massachusetts Development Finance Agency, Refunding RB, 5.00%, 1/01/31	1,300		1,851,186
Massachusetts Development Phance Agency, Kertunding KB, 5.00%, 1701751 Massachusetts Health & Educational Facilities Authority, Refunding RB, Winchester Hospital, 5.00%,	1,750		1,001,100
7/01/25	1,060		1,148,065
			4,463,701
Michigan 3.2%			
Manistee Area Public Schools, GO, Refunding, (Q-SBLF), 5.00%, 5/01/25 Michigan Finance Authority, Refunding RB, Senior Lien, Detroit Water and Sewer, Series C-3 (AGM),	1,000		1,105,440
5.00%, 7/01/31	4,000		4,444,000
Michigan State Building Authority, Refunding RB, Facilities Program, Series II-A, 5.00%, 10/15/24	2,500		2,794,550
Municipal Bonds		ar 100)	Value
Michigan (continued) Michigan State Hospital Finance Authority, Refunding RB, Henry Ford Health System, 5.25%, 11/15/19 (a)	\$4.	900	\$ 5,415,186
State of Michigan, Refunding RB, Grant Anticipation Bonds, 5.00%, 3/15/25		750	4,414,650
Minnanda 1.20/			18,173,826
Minnesota 1.2% City of Minneapolis, RB, YMCA of the Greater Twin Cities Project:			
4.00%, 6/01/30		150	155,337
4.00%, 6/01/31		50	51,452
Minnesota Higher Education Facilities Authority, Refunding RB, University of St. Thomas, Series 8-L, 5.00%,			,
4/01/35		500	557,525
University of Minnesota, RB, Biomedical Science Research Facilities Funding Program:	1	000	1 111 070
Series B, 5.00%, 8/01/36 Series C, 5.00%, 8/01/27		000 390	1,111,970
Series C, 5.00%, 8/01/27 Series C, 5.00%, 8/01/28		740	1,605,853 852,110
Series C, 5.00%, 8/01/29		555	1,781,968
Series C, 5.00%, 8/01/30		835	953,603
			7,069,818
Montana 0.4%			
County of Gallatin Montana School District No 7 Bozeman, GO, 4.00%, 12/01/31		340	362,352
County of Yellowstone Montana School District No. 2 Billings, GO, 5.00%, 6/15/30		500	572,080
Montana State Board of Regents, RB, 5.00%, 11/15/30	1,	000	1,148,440
Nabrocko 110			2,082,872
Nebraska 1.1% County of Douglas Nebraska Hospital Authority No. 3, Refunding RB, 5.00%, 11/01/30		800	886,760
County of Lancaster Nebraska Hospital Authority No. 1, Refunding RB, Immanuel Obligation Group,		000	1 000 770
5.50%, 1/01/30 Nebraska Public Power District, Refunding RB:	1,	000	1,089,750
Series A, 5.00%, 1/01/30	1,	000	1,105,210

Series A, 5.00%, 1/01/32	2,000	2,206,540

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BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. JANUARY 31, 2017

Student Loan, Series 1A, 4.75%, 12/01/21 1,470 1,558,362 Yew Jersey State Tumpike Authority, 5.00%, 1/01/32 12,000 13,535,520 Par Par Vunicipal Bonds (000) Value New Jersey State Tumpike Authority, Refunding RB, Series B, 5.00%, 1/01/29 \$ 10,000 \$ 11,261,400 New Jersey State Tumpike Authority, Refunding RB, Series B, 5.00%, 6/15/30 2,000 2,103,960 Vederal Highway Reimbursement Revenue Notes, Series A, 2, 5.00%, 6/15/30 10,000 10,240,800 Series S, 5.25%, 6/15/26 3,500 3,673,880 Transportation Program, Series A, 5.25%, 6/15/31 12,000 12,312,600 Transportation Program, Series A, 5.25%, 6/15/32 2,250 2,314,305 Transportation System, Series A, 5.25%, 6/15/32 13,970 14,620,164 Transportation System, Series A, 5.25%, 6/15/32 10,000 10,271.800 Vew Mexico 1,26% 1,230 1,399,642 1,004 100%, 12/01/23 1,230 1,399,642 1,004 1,375 1,465,035 100%, 12/01/23 1,230 1,3976 1,455,035 1,512,533 1,504 1,5250 1,471,150 1,504,513 1,512,533		Par	
Sebrask 2010: Dover District. Refunding RB (continued): S 900 \$ \$ 85.614 Series A-1, 3.00%, 1/01/33 S 900 \$ \$ 85.614 Seried 1.7% 6.123.874 6.123.874 County of Clark Nevada Department of Aviation. Refunding RB, 500%, 701/33 5.000 5.579.400 Sumty of Clark Nevada Department of Aviation. Refunding RB, 500%, 701/33 5.000 4.079.908 Sumty of Clark Nevada Department of Aviation. Refunding RB, 500%, 701/33 5.000 2.160,160 Sire Jarsey 2.44% 3.800 4.079.908 Sumty of Liase New Jeney Improvement Authority, LRB, Newark Project. Series A (AGM). 2.000 1.888.15 Softwalts Foldig Replacement Project, 5.13%, 91/523 6,040 6.379.508 Softwalts Foldig Replacement Project, N13%, 91/523 3,000 1.124.500 Softwalts Foldig Replacement Project, N13%, 91/523 3,000 3,883.108 Softwalts Foldig Replacement Project, N13%, 91/524 3,3465 3,881.078 Softwalts Foldig Replacement Project, N13%, 91/522 3,000 5,585.90 Softwalts Foldig Replacement Project, N13%, 91/524 3,3465 3,580.076 Softwalt Foldig Repl	Municipal Bonds	(000)	Valua
selends Public Power District, Refunding RB (continued): \$ 900 \$ 8 35.614 series A-1, 300%, 10/133 \$ 900 \$ 835.614 series A-1, 300%, 10/133 \$ 5000 \$ 5.793.400 County of Clark Nevada Department of Aviation, Refunding RB, 500%, 701/133 \$ 5000 \$ 5.793.400 County of Harboldt Nevada, Refunding RB, 14bho Power Co. Project, 5.15%, 12/01/24 3,800 4.079.908 ver Jersey 2.44% 9.659.208 \$ 900 \$ 1000 Swit Jersey 2.44% 2.000 \$ 2.160.160 Swit Jersey DAR, BART \$ 0.000 \$ 1.285.715 Soethals Bridge Replacement Project, Private Activity Bond, 5.50%, 1/01/26 1.500 \$ 1.128.500 Swit Jersey DAR, BART \$ 0.000 \$ 1.285.715 Soethals Bridge Replacement Project, Private Activity Bond, 5.50%, 1/01/26 \$ 3.000 \$ 3.193.140 School Facilities Construction, Series E, 5.00%, 0/01/23 3.463 3.350.076 Swite Jersey Educational Facilities Automity, R.H. Higher Education Eacilities Trus Fund, 100.000 10.242.000 Swite Jersey Higher Automity, Refunding RB, 5.00%, 7.01/30 5.0000 \$ 5.85.050 Swite Swite Barey		(000)	Value
Series A-1, 3.00%, 1/01/33 \$ 900 \$ 8.85.614 venda 1.7% 6.123,874 Sounty of Clark Novada Department of Aviation. Refunding RB, 500%, 701/33 5.000 5.579,400 Sounty of Clark Novada Department of Aviation. Refunding RB, 500%, 701/33 5.000 4.079,908 New Jerzey 2.34% 9.659,308 9.659,308 New Jerzey 2.34% 9.000 2.160,160 Song Teacy DDA Re MTI: 2.000 2.160,160 Song Teacy DDA Refunding RB. 1.124,500 1.888,151 Sock Incersy DDA Refunding RB. 1.124,500 1.124,500 Sock Incersy American Water Co. Series F. AUT, 470%, 1201/25 3,000 3,385,031,078 School Facilitic Construction, Series A.4,25%, 1201/21 3,465 3,380,076 Sew Jersey RDA Refunding RB. 1.0000 10,242,000 Sew Jersey RDA Refunding RB. 1.124,500 1.242,000 Sew Jersey RDA Refunding RB. 1.195 1.297,734 </td <td></td> <td></td> <td></td>			
6.123.874 6.123.874 Security of Link Nevada Department of Aviation, Refunding RB, 5.00%, 700/33 5.000 5.579.400 5.000 5.579.400 Sounty of Link Nevada Department of Aviation, Refunding RB, 5.00%, 700/24 3.800 4.0799.08 9.659.308 Sew Jersey 23.4% 0.00%, 110/20 2.000 2.016.100 Cow Jersey DDA, RB, AMT: 0.00%, 110/20 2.000 2.163.100 Continental Aritines, Inc. Project, 5.13%, 9/15/23 6.040 6.040 6.379.508 Sew Jersey DDA, RB, AMT: 0.000 0.379.508 0.882.713 Sew Jersey DDA, KB, MATE: 0.002 1.124.500 1.124.500 Sew Jersey DDA, Commercion, Series LE, MT, 47.078, 120/125 1.000 3.455 3.590.676 Sew Jersey DBACcommer Project, S.13%, 01/122 1.000 1.247.714 Sew Jerse		\$ 900	\$ 835.614
viewada 1.7% County of Clark Nevada Department of Aviation. Refunding RB, 500%, 701/33 5.000 5.797.400 County of Clark Nevada Department of Aviation. Refunding RB, 500%, 701/33 5.000 4.079.908 view Jersey 24.% 9.659.308 9.659.308 Swe Jersey DAR, Nev Jersey IDAR, RA MT1 2.000 2.160.160 9.659.308 Swe Jersey IDA, RB, AMT1 6.004 6.379.508 10.000 11.245.00 Swe Jersey DAR, RA, MT1 6.004 6.379.508 10.000 1.124.500 Swe Jersey EDA, Refunding RB 10.000 1.388.715 10.000 1.388.715 Swe Jersey EDA, Refunding RB 10.001 3.465 3.851.078 10.000 10.242.000 Swe Jersey IDAR-calinities Authority, RB, Higher Education Facilities Trust Fund, 10.000 10.242.000 5.858.050 10.000 5.858.050 10.000 10.242.000 13.555.520 Par 10.000 10.242.000 13.555.520 Par 10.000 10.242.000 13.555.520 Par 10.000 10.242.000 13.555.520 Par 10.000 10.242.000 13.555.52	Series A-1, 5.00 /0, 1101/55	φ 900	\$ 055,014
viewada 1.7% County of Clark Nevada Department of Aviation, Refunding RB, 500%, 701/33 5,000 5,579.400 County of Clark Nevada Department of Aviation, Refunding RB, 500%, 701/33 5,000 4,079.908 view Jersey 24.4% 3,800 4,079.908 view Jersey IDA, RB, AMT I: 2,000 2,160.160 view Larsey IDA, RB, AMT I: 0,000 6,040 6,779.508 view Larsey IDA, RB, AMT I: 0,000 1,124.500 5,000 3,191.140 view Larsey IDA, RB, AMT I: 0,000 1,088.715 5,000 3,191.140 view Loss PIDA, Rothading RB 0,558,076,101/27 3,000 3,191.140 1,000 1,124.500 view Loss PIDA, Rothading RB North 1,207.23 3,000 3,3191.140 1,000 1,024.200 1,000 1,024.200 1,000 1,024.200 1,000 1,247.500 1,000 1,255.302 1,000 2,355.500 1,000 1,247.500 1,000 1,247.500 1,000 1,255.302 1,000 1,355.520 Par 1,000 1,255.302 1,000 1,255.302 <td></td> <td></td> <td></td>			
Contry of Clark Nevada Department of Aviation, Refunding RB, 500%, 701/33 5,000 5,579,400 Contry of Humboldt Nevada, Refunding RB, Idaho Power Co. Project, 5,15%, 12/01/24 3,800 4,079,908 New Jersey 2,44% 9,059,308 9,059,308 New Jersey DA, RB, AMT: 0,000 2,160,160 Gow, H10/120 6,040 6,379,508 Jointhand Arlines, Inc. Project, 5,13%, 9/15/23 6,040 6,379,508 Jointhas Bridge Replacement Project, Private Activity Bond, 5,50%, 10/126 1,500 1,124,500 Sew Jersey JDA, Refunding RB: 9,0123 3,000 3,193,140 Sew Jersey Refutement Project, Private Activity Bond, 5,50%, 10/126 3,000 3,193,140 Sew Jersey Refutemant Project, BS, 50%, 90/123 3,465 3,590,076 Sew Jersey Refutemant Project, BS, 10%, 90/123 3,465 3,580,076 Sew Jersey Refute Rational Facilities Authority, Refunding RB, 500%, 701/30 5,000 5,585,809 Sew Jersey Bide Rational Facilities Authority, Refunding RB, 500%, 10/1/20 1,1470 1,355,520 Ware Jersey Continued) Were Sersey Continued New Jersey South Proving New Jersey South Proving Neware New Jersey South Proving New Jersey South Provin			6,123,874
County of Humboldt Nevada, Refunding RB, Idaho Power Co. Project, 5.15%, 1201/24 3,800 4.079,908 New Jersey 23.4% 9,659,308 9,659,308 Dumly of Essex New Jersey Improvement Authority, LRB, Newark Project, Series A (AGM), 0,000 2,160,160 South Stridge Replacement Project, 5.13%, 9/15/23 6,040 6,379,508 Sorthals Bridge Replacement Project, Private Activity Bond, 5.50%, 1/01/27 1,000 1,124,500 Sew Jersey PLA, RR, Affinding RB 9,659,308 3,851,078 Sorthals Bridge Replacement Project, Private Activity Bond, 5.50%, 1/01/27 1,000 1,124,500 Sew Jersey Dack Construction, Series EL, ADV, 4.70%, 1/201/25 3,000 3,193,140 School Facilities Construction, Series EL, S.100%, 9/01/23 3,465 3,590,676 Sew Jersey Educational Facilities Authority, RB, Higher Education Facilities Trust Fund, 10,000 10,242,000 Sew Jersey Stateoritional Facilities Authority, Refunding RB, 500%, 7/01/30 5,000 5,585,509 Sew Jersey State State State Authority, Refunding RB, Series S, 5,00%, 1/01/22 1,195 1,297,734 Student Lann, Series IA, A.75%, 1/201/21 1,470 1,585,3520 Sew Jersey State Tumpike Authority, Refunding RB, Series B, 5,00%, 1/01			
New Jersey 23.4% 3 South of Essex. New Jersey Improvement Authority, LRB, Newark Project, Series A (AGM), 1000 2,000 2,160,160 Wew Jersey EDA, RB, AMT:		· · · · · · · · · · · · · · · · · · ·	
View Jersey 23.4% 2,000 2,160,160 ionary of Essex New Jersey Improvement Authority, LRB, Newark Project, Series A (AGM), 2,000 2,160,160 iow for Essex New Jersey Improvement Authority, Bond, 5,50%, 1/01/26 1,500 1,688,715 Jointhental Airlines, Inc. Project, 5,13%, 9/15/23 6,040 6,379,508 Jointhas Bridge Replacement Project, Private Activity Bond, 5,50%, 1/01/26 1,500 1,688,715 Jointhas Bridge Replacement Project, Private Activity Bond, 5,50%, 1/01/27 1,000 1,124,500 Sew Jersey Education View Co., Series E, AMT, 4,70%, 1/201/25 3,000 3,193,140 School Facilities Construction, Series EE, 5,00%, 901/23 3,465 3,500,076 Sew Jersey Educational Facilities Authority, Refunding RB, 5,00%, 7/01/30 5,000 5,585,050 Sew Jersey Higher Education Stateme Authority, Refunding RB: 1195 1,297,734 Ustore To Lange To Statement Authority, Refunding RB, 5,00%, 1/01/29 1,000 \$ 11,261,400 Sew Jersey Higher Education Statement Authority, Refunding RB, Series B, 5,00%, 6/15/30 2,000 2,103,555,20 Ver Jersey Continued) 1,207,734 1,400 5 1,261,400 Sew Jersey State Tumpike Authority, Refunding RB, Series B, 5,0	County of Humboldt Nevada, Refunding RB, Idaho Power Co. Project, 5.15%, 12/01/24	3,800	4,079,908
View Jersey 23.4% 2,000 2,160,160 ionary of Essex New Jersey Improvement Authority, LRB, Newark Project, Series A (AGM), 2,000 2,160,160 iow for Essex New Jersey Improvement Noticet, Frivate Activity Bond, 5,50%, 1/01/26 1,500 1,688,715 Jointhas Bridge Replacement Project, Frivate Activity Bond, 5,50%, 1/01/26 1,000 1,124,300 iew Jersey EDA, Refunding RB.			
View Jersey 23.4% 2,000 2,160,160 ionary of Essex New Jersey Improvement Authority, LRB, Newark Project, Series A (AGM), 2,000 2,160,160 iow for Essex New Jersey Improvement Noticet, Frivate Activity Bond, 5,50%, 1/01/26 1,500 1,688,715 Jointhas Bridge Replacement Project, Frivate Activity Bond, 5,50%, 1/01/26 1,000 1,124,300 iew Jersey EDA, Refunding RB.			9.659.308
Donity of Essex New Jersey Improvement Authority, LRB, Newark Project, Series A (AGM), 2,000 2,160,160 Serv LFDA, RB, AMT: 2,000 2,160,160 Sortinental Artines, Inc. Project, 5,13%, 9/1523 6,040 6,379,508 Sortinental Artines, Inc. Project, 7,13%, 9/1523 6,040 6,379,508 Sorthals Bridge Replacement Project, Private Activity Bond, 5,50%, 1/01/27 1,000 1,24,500 Sev Jersey JAA, Refunding RB 3,800 3,193,140 School Facilities Construction, Series EA, 300%, 9/01/23 3,845 3,890,676 Sev Jersey Educational Facilities Authority, REfunding RB, 5,00%, 7/01/30 5,000 5,085,500 Sev Jersey Educational Facilities Authority, Refunding RB, 5,00%, 7/01/30 5,000 5,855,500 Sev Jersey Educational Facilities Authority, Refunding RB, 5,00%, 7/01/30 1,0000 10,242,000 Sev Jersey Higher Educational Facilities Authority, Refunding RB, 5,00%, 7/01/30 1,000 1,245,350 Sev Jersey State Tumpike Authority, Sefunding RB, Sol%, 7/01/30 1,000 1,245,000 Sev Jersey State Tumpike Authority, Sefunding RB, Series B, 5,00%, 1/01/29 1,200 1,353,5520 Ver Jersey Contlinued) 1,261,400 Ver Ver Series A, 5,25%, 6/1	New Jersey 23.4%		,,,
0.00%, 11/01/20 2,000 2,160,160 Sortinental Airlines, Inc. Project, 5,13%, 9/15/23 6,040 6,379,508 Sorthals Bridge Replacement Project, Private Activity Bond, 5,50%, 1/01/26 1,500 1,688,715 Sorthals Bridge Replacement Project, Private Activity Bond, 5,50%, 1/01/27 1,000 1,124,500 Sew Jersey EDA, Refunding RB:			
Sew Jersey EDA, RB, ANT: 6,440 6,379,508 Jointenual Artinics, Inc. Project, Private Activity Bond, 550%, 1/01/26 1,500 1,688,715 Joedhals Bridge Replacement Project, Private Activity Bond, 550%, 1/01/27 1,000 1,124,500 Kew Jersey EDA, Refunding RB:		2 000	2 160 160
Continential Aritines, Inc. Project, 513%, 9/1523 6,040 6,379,508 Sorthals Bridge Replacement Project, Private Activity Bond, 5,50%, 1/01/27 1,000 1,124,500 New Jersey Anterian Water Co., Series E, AMT, 4,70%, 12/01/25 3,000 3,193,140 Selvales Bridge Replacement Project, Private Activity Bond, 5,50%, 1/01/27 3,000 3,193,140 Selvales Watersy Anterian Water Co., Series EE, 500%, 9/01/23 3,465 3,590,676 Sev Jersey Anterian Water Co., Series EE, 500%, 9/01/23 3,465 3,590,676 Sew Jersey Educational Facilities Authority, Ref. Higher Education Facilities Trust Fund, 0000 10,242,000 Sew Jersey Educational Facilities Authority, Refunding RB: 1,195 1,297,734 Sew Jersey State Tampike Authority, S.00%, 1/01/32 12,000 13,355,520 Vew Jersey State Tampike Authority, Refunding RB, Series B, 5,00%, 1/01/29 \$ 10,000 \$ 11,261,400 New Jersey Transportation Trust Fund Authority, RB: 1 12 12,61,400 Vew Jersey State Tampike Authority, Refunding RB, Series B, 5,00%, 1/01/29 \$ 10,000 \$ 11,261,400 Vew Jersey State Tampike Authority, Refunding RB, Series B, 5,00%, 1/01/29 \$ 10,000 \$ 11,261,400 Vew Jersey Tamsportation Trust Fund Authority, RB: 12,000		2,000	2,100,100
Joethals Bridge Replacement Project, Private Activity Bond, 5.50%, 1/01/27 1,000 1,688.715 Joethals Bridge Replacement Project, Private Activity Bond, 5.50%, 1/01/27 1,000 1,124,500 New Jersey American Water Co., Series E, AMT, 4.70%, 12/01/25 3,000 3,193,140 School Facilities Construction, Series EA, 4.25%, 12/15/24 3,850 3,851.078 School Facilities Construction, Series EE, 5,00%, 9/01/23 3,465 3,590,676 We Jersey Educational Facilities Authority, Refunding RB, 500%, 7/01/30 5,000 5,858,050 New Jersey Educational Facilities Authority, Refunding RB, 500%, 7/01/30 5,000 5,858,050 New Jersey Higher Education Student Assistance Authority, Refunding RB 1,470 1,558,452 New Jersey State Turnpike Authority, S,101/21 1,470 1,558,452 New Jersey (continued) 10000 10240,000 Wew Jersey (continued) 10000 10,240,000 Wew Jersey (continued) 1,195 1,297,734 Water Cansportation Turst Fund Authority, Refunding RB, Series B, 5.00%, 1/01/29 \$ 10,000 Vew Jersey (continued) 1,2,000 1,24,000 12,200.024,0800 Vew Jersey (continued)		6.040	6 370 508
Joethals Bridge Replacement Project, Private Activity Bond, 5.50%, 1/01/27 1,000 1,124,500 wew Iersey EDA, Refunding RB: 3,850 3,851,140 selw Iersey EDA, Refunding RB: 3,850 3,851,078 school Facilities Construction, Series EA, MT, 4,70%, 12/15/24 3,850 3,851,078 school Facilities Construction, Series EE, S,00%, 9/01/23 3,465 3,590,676 Wew Iersey Higher Education Facilities Authority, Refunding RB, 500%, 7/01/30 5,000 10,242,000 Sew Iersey Higher Education Statiance Authority, Refunding RB: 1,195 1,297,734 Wartesy Higher Education Statiance Authority, Refunding RB: 1,195 1,297,734 Wartesy Higher Education Statiance Authority, Refunding RB: 1,105 1,297,734 Wartesy Educational Facilities Authority, Refunding RB: 1,100 13,535,520 Wew Iersey Continued) 1,12,61,400 13,535,520 New Uersey State Tumpike Authority, Refunding RB, Series B, 5,00%, 1/01/29 \$ 10,000 \$ 11,261,400 Sew Uersey Continued) State Tumpike Authority, Refunding RB, Series A, 5,00%, 6/15/30 2,000 2,103,960 Cederal Highway Reimbursement Revenue Notes, Series A, 5,00%, 6/15/30			
sew Jensey Americane Water Co., Series E. AMT, 4, 70%, 12/01/25 3,000 3,193,140 sew Jensey Americane Water Co., Series E. AMT, 4, 70%, 12/01/25 3,000 3,193,140 sek valersey Educational Facilities Construction, Series EE, 5,00%, 90/123 3,465 3,590,076 sew Jersey Educational Facilities Authority, RB, Higher Education Facilities Trust Fund, 10,000 10,242,000 we Varsey Educational Facilities Authority, Refunding RB, 5,00%, 7/01/30 5,000 5,585,050 sew Jersey Educational Facilities Authority, Refunding RB, 5,00%, 7/01/30 1,195 1,297,734 situent Loan, Series IA, 4,75%, 12/01/21 1,470 1,583,62 sew Jersey Goutinued) IL,000 13,535,520 ew Jersey Continued) IL,000 \$ 11,261,400 sew Jersey (continued) IL,000 \$ 11,261,400 sew Jersey (facta Turphyke Authority, Ref			
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school Facilities Construction, Series B. 5.00%, 9001/23 3,850 3,851,078 school Facilities Construction, Series EE, 5.00%, 9001/23 3,465 3,590,676 we Versey Educational Facilities Authority, RB, Higher Education Facilities Trust Fund, 10,000 10,242,000 we Versey Educational Facilities Authority, Refunding RB, 5.00%, 7/01/30 5,500 5,585,050 we Versey Educational Facilities Authority, Refunding RB 1,195 1,297,734 student Loan, Series 1A, 4.75%, 12/01/21 1,470 1,588,362 lew Jersey Gate Turnpike Authority, 5.00%, 1/01/32 12,000 13,535,520 Par Par Par Municipal Bonds (000) Value wew Jersey (continued) 1,1261,400 1,1261,400 wew Jersey (continued) 5 11,261,400 wew Jersey (continued) 2,000 2,103,960 wew Jersey (continued) 2,000 2,103,960 wew Jersey (continued) 3,450 3,500 Sterse S. 5.25%, 6/15/31 12,000 12,312,600 federal Highway Reimbursement Revenue Notes, Series A.5,00%, 6/15/30 2,000 2,314,305 fransportation Program, Series A.A, 5.25%, 6/15/31 12,000		2.000	2 102 140
school Facilities Construction, Series EF, 500%, 90/1/23 3,465 3,590,676 wev Jersey Educational Facilities Authority, Refunding RB, 5.00%, 70/1/30 5,000 5,585,050 lew Jersey Higher Educations Tacilities Authority, Refunding RB: ierries 1, AMT, 5,50%, 12/01/26 1,195 1,297,734 student Loan, Scries 1A, 4,75%, 12/01/21 1,470 1,588,362 lew Jersey State Turmpike Authority, 5,00%, 1/01/32 1,2000 13,535,520 Par dunicipal Bonds (000) Value lew Jersey State Turmpike Authority, Refunding RB, Series B, 5.00%, 1/01/29 \$ 10,000 \$ 11,261,400 lew Jersey State Turmpike Authority, Refunding RB, Series B, 5.00%, 1/01/29 \$ 10,000 \$ 11,261,400 lew Jersey State Turmpike Authority, Refunding RB, Series B, 5.00%, 1/01/29 \$ 10,000 \$ 11,261,400 lew Jersey State Turmpike Authority, Refunding RB, Series B, 5.00%, 6/15/30 2,000 2,103,960 lederal Highway Reimbursement Revenue Notes, Series A, 5.00%, 6/15/30 2,000 10,240,800 leries B, 5.25%, 6/15/26 3,500 3,003,673,880 Transportation Program, Series AA, 5.25%, 6/15/31 1,2000 12,211,2600 Transportation Program, Series AA, 5.25%, 6/15/31 2,000 12,211,2600 Transportation System, Series A, 5.25%, 6/15/32 2,250 2,314,305 Transportation System, Series A, 5.25%, 6/15/32 1,200 Transportation System, Series A, 5.25%, 6/15/32 1,230 transportation System, Series A, 5.25%, 6/15/32 1,250 transportation System, Series A, 5.25%, 6/15/32 1,250 transportation System, Series A, 5.25%, 6/15/32 1,250 transportation System, Series A, 5.25%, 6/15/32 1,341,351 tew Mexico L.2% Whupugerque Bernalillo New Me	• • • • • •		
lew Jersey Educational Facilities Authority, RB, Higher Education Facilities Trust Fund, 10,000 10,242,000 we Wersey Educational Facilities Authority, Refunding RB, 5.00%, 7/01/30 5,000 5,585,050 lew Jersey Educational Facilities Authority, Refunding RB: 11,95 1,297,734 student Loan, Series 1A, 4.75%, 12/01/21 1,470 1,558,362 stew Jersey State Turnpike Authority, S00%, 1/01/32 12,000 13,555,520 Authoridal Bonds (000) Value vew Jersey Continued) 1 11,261,400 vew Jersey Continued) 5 10,000 10,240,800 vew Jersey Gute Turnpike Authority, Refunding RB, Series B, 5.00%, 1/01/29 \$ 10,000 2,103,960 vew Jersey Gute Turnpike Authority, Refunding RB, Series A, 5.00%, 6/15/30 2,000 2,103,960 vew Jersey Gute Turnpike Authority, RB: 12,000 12,241,200 vew Jersey Kotsen Turnpike Authority, RB: 12,000 12,241,200 vew Jersey Kotsen Turnpike Authority, RB: 10,000 10,240,800 refers B, 5.25%, 6/15/31 12,000 12,312,600 Transportation Program, Series AA, 5.25%, 6/15/31 12,000 12,312,6			
i00%, 6/15/28 10,000 10,242,000 iew Jersey Higher Educational Facilities Authority, Refunding RB. 5,000 5,585,050 iew Jersey Higher Education Student Assistance Authority, Refunding RB. 1,195 1,297,734 ieries 1, AMT, 5,50%, 12/01/20 1,470 1,558,362 iew Jersey State Tumpike Authority, 5,00%, 1/01/32 12,000 13,535,520 iew Jersey State Tumpike Authority, Sefunding RB, Series B, 5,00%, 1/01/29 \$ 10,000 \$ vew Jersey test Transportation Trust Fund Authority, RB:		3,465	3,590,676
lew Jersey Educational Facilities Authority, Refunding RB, 5.00%, 7/01/30 5,000 5,585,050 lews Jersey Higher Education Student Assistance Authority, Refunding RB: 1,195 1,297,734 reires I, AMT, 550%, 12/01/21 1,470 1,558,362 lew Jersey State Tumpike Authority, 5.00%, 1/01/32 12,000 13,535,520 Vanicipal Bonds (000) Value New Jersey Continued) (000) Value Sew Jersey Continued (000) 11,261,400 New Jersey Continued (000) 11,261,400 New Jersey Transportation Trust Fund Authority, RB: (000) 2,000 2,103,960 'ederal Highway Reimbursement Revenue Notes, Series A, 5,00%, 6/15/30 2,000 2,103,960 (2,250, 6/15/26) 2,350 3,573,880 Transportation Program, Series AA, 5,25%, 6/15/31 12,000 12,312,600 (2,314,305) (3,435) 3,394,509 (3,692,114,305) (3,692,114,305) (3,692,114,305) (3,692,114,305) (3,692,114,305) (3,692,114,305) (3,692,114,305) (3,692,114,305) (3,692,114,305) (3,692,114,305) (3,692,114,305) (3,692,114,305) (3,692,114,305) (
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keries 1, AMT, 5.50%, 12/01/26 1,195 1,297,734 itudent Loan, Series 1A, 4.75%, 12/01/21 1,470 1.558,362 yew Jersey State Turnpike Authority, 5.00%, 1/01/32 12,000 13,535,520 Par Par Municipal Bonds (000) Value wew Jersey State Turnpike Authority, Refunding RB, Series B, 5.00%, 1/01/29 \$ 10,000 \$ 11,261,400 wew Jersey State Turnpike Authority, RB:		5,000	5,585,050
Student Loan, Series 1A, 4.75%, 12/01/21 1,470 1,558,362 Vew Jersey State Turnpike Authority, 5.00%, 1/01/32 12,000 13,535,520 Par Par Municipal Bonds (000) Value Vew Jersey (continued)	New Jersey Higher Education Student Assistance Authority, Refunding RB:		
New Jersey State Turnpike Authority, 5.00%, 1/01/32 12,000 Par 13,535,520 Municipal Bonds (000) Value New Jersey (continued) 10,000 \$ 11,261,400 New Jersey State Turnpike Authority, Refunding RB, Series B, 5.00%, 1/01/29 \$ 10,000 \$ 11,261,400 New Jersey Transportation Trust Fund Authority, RB: 10,000 \$ 11,261,400 rederal Highway Reimbursement Revenue Notes, Series A, 5.00%, 6/15/30 2,000 2,103,960 rederal Highway Reimbursement Revenue Notes, Series A, 5,00%, 6/15/30 10,000 10,240,800 fransportation Program, Series AA, 5,25%, 6/15/31 12,000 12,312,600 Transportation Program, Series A, 5,25%, 6/15/32 2,250 2,314,305 Transportation System, Series A, 5,25%, 6/15/32 3,185 3,394,509 Transportation System, Series A, 5,25%, 6/15/32 10,000 10,271,800 Verser B, 5,50%, 6/15/31 13,970 14,620,164 Transportation System, Series A; 1,345 1,349,642 100%, 12/01/25 1,345 1,312,533 Siouth Jersey Port Corp., RB, Marine Terminal, Series O-1 (AGC), 4,63%, 1/01/19 (a) 1,375 1,465,035 Sitate of New Jersey, GO, Various Purposes, 500%, 6/01/28	Series 1, AMT, 5.50%, 12/01/26	1,195	
Municipal Bonds (000) Value New Jersey (continued)	Student Loan, Series 1A, 4.75%, 12/01/21	1,470	1,558,362
Municipal Bonds (000) Value New Jersey (continued)	New Jersey State Turnpike Authority, 5.00%, 1/01/32	12,000	13,535,520
New Jersey (continued) Solution Solutiorset per Solution Solutiorset per S		Par	
New Jersey (continued) \$ 10,000 \$ 11,261,400 New Jersey State Turnpike Authority, Refunding RB, Series B, 5.00%, 1/01/29 \$ 10,000 \$ 11,261,400 New Jersey Transportation Trust Fund Authority, RB:	Municipal Bonds	(000)	Value
New Jersey State Tumpike Authority, Refunding RB, Series B, 5.00%, 1/01/29 \$ 10,000 \$ 11,261,400 New Jersey Transportation Trust Fund Authority, RB:		(,	
New Jersey Transportation Trust Fund Authority, RB: 2,000 2,103,960 'ederal Highway Reimbursement Revenue Notes, Series A, 5.00%, 6/15/30 10,000 10,240,800 'erderal Highway Reimbursement Revenue Notes, Series A-2, 5.00%, 6/15/30 3,500 3,673,880 'fransportation Program, Series AA, 5.25%, 6/15/31 12,000 12,312,600 'fransportation Program, Series A, 5.25%, 6/15/32 2,250 2,314,305 'fransportation System, Series A, 5.25%, 6/15/31 13,970 14,620,164 'fransportation System, Series B, 5.50%, 6/15/32 10,000 10,271,800 'ewark Housing Authority, RB, Series A: 1,230 1,399,642 :00%, 1/20/1/23 1,230 1,399,642 1,000 :00%, 1/20/1/25 1,345 1,512,533 5004 South Jersey Port Corp., RB, Marine Terminal, Series O-1 (AGC), 4.63%, 1/01/19 (a) 1,375 1,465,035 'state of New Jersey, GO, Various Purposes, 5.00%, 6/01/28 5,000 5,564,250 IMathematical Section Sect		\$ 10.000	\$ 11.261.400
Federal Highway Reimbursement Revenue Notes, Series A, 5.00%, 6/15/30 2,000 2,103,960 Federal Highway Reimbursement Revenue Notes, Series A-2, 5.00%, 6/15/30 10,000 10,240,800 Series B, 5.25%, 6/15/26 3,500 3,673,880 Transportation Program, Series AA, 5.25%, 6/15/31 12,000 12,312,600 Transportation Program, Series AA, 5.25%, 6/15/32 2,250 2,314,305 Transportation System, Series B, 5.50%, 6/15/31 13,970 14,620,164 Transportation System, Series C, 5.25%, 6/15/32 10,000 10,271,800 Vewark Housing Authority, RB, Series A: 5.00%, 6/15/32 10,000 10,271,800 Scow, 12/01/23 1,230 1,399,642 1,345 1,512,533 Scow, 12/01/25 1,345 1,512,533 1,512,533 1,500 5,564,250 State of New Jersey, GO, Various Purposes, 5.00%, 6/01/28 5,000 5,564,250 134,341,321 New Mexico 1.2% 1,250 1,471,150 2,636,253 Scouth Jersey Port Corp., RB, Marine Terminal, Series 2017, 5.00%, 8/01/30 1,250 1,471,150 2,636,253 Scout J.2% 124,341,321 134,341,321 134,341,321 134,341,321 134,341,32		,	+,,
Federal Highway Reimbursement Revenue Notes, Series A-2, 5.00%, 6/15/30 10,000 10,240,800 Series B, 5.25%, 6/15/26 3,500 3,673,880 Fransportation Program, Series AA, 5.25%, 6/15/31 12,000 12,312,600 Transportation Program, Series AA, 5.25%, 6/15/32 2,250 2,314,305 Transportation System, Series A, 5.25%, 6/15/31 13,970 14,620,164 Transportation System, Series C, 5.25%, 6/15/32 10,000 10,271,800 Newark Housing Authority, RB, Series A:		2 000	2 103 960
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Fransportation Program, Series AA, 5.25%, 6/15/32 2,250 2,314,305 Transportation System, Series A, 5.25%, 6/15/24 3,185 3,394,509 Transportation System, Series B, 5.50%, 6/15/31 13,970 14,620,164 Transportation System, Series C, 5.25%, 6/15/32 10,000 10,271,800 Newark Housing Authority, RB, Series A: .00%, 12/01/23 1,230 1,399,642 5.00%, 12/01/25 1,345 1,512,533 1,512,533 South Jersey Port Corp., RB, Marine Terminal, Series O-1 (AGC), 4.63%, 1/01/19 (a) 1,375 1,465,035 State of New Jersey, GO, Various Purposes, 5.00%, 6/01/28 5,000 5,564,250 I34,341,321 New Mexico 1.2% New Mexico 1.2% New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,636,253 South Jersey Nork 18.5%			
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Fransportation System, Series C, 5.25%, 6/15/32 10,000 10,271,800 Newark Housing Authority, RB, Series A: 1,230 1,399,642 5.00%, 12/01/23 1,345 1,512,533 5.00%, 12/01/25 1,345 1,512,533 South Jersey Port Corp., RB, Marine Terminal, Series O-1 (AGC), 4.63%, 1/01/19 (a) 1,375 1,465,035 State of New Jersey, GO, Various Purposes, 5.00%, 6/01/28 5,000 5,564,250 I34,341,321 New Mexico 1.2% Albuquerque Municipal School District No 12, GO, Series 2017, 5.00%, 8/01/30 1,250 1,471,150 County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 7/01/33 2,510 2,636,253 New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,834,575 6,941,978			
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i.00%, 12/01/25 1,345 1,512,533 South Jersey Port Corp., RB, Marine Terminal, Series O-1 (AGC), 4.63%, 1/01/19 (a) 1,375 1,465,035 State of New Jersey, GO, Various Purposes, 5.00%, 6/01/28 5,000 5,564,250 I34,341,321 New Mexico 1.2% Albuquerque Municipal School District No 12, GO, Series 2017, 5.00%, 8/01/30 1,250 1,471,150 County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 7/01/33 2,510 2,636,253 New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,834,575 6,941,978		1.000	1 200 512
South Jersey Port Corp., RB, Marine Terminal, Series O-1 (AGC), 4.63%, 1/01/19 (a) 1,375 1,465,035 State of New Jersey, GO, Various Purposes, 5.00%, 6/01/28 5,000 5,564,250 I34,341,321 New Mexico 1.2% Albuquerque Municipal School District No 12, GO, Series 2017, 5.00%, 8/01/30 1,250 1,471,150 County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 7/01/33 2,510 2,636,253 New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,834,575 6,941,978			
State of New Jersey, GO, Various Purposes, 5.00%, 6/01/28 5,000 5,564,250 134,341,321 New Mexico 1.2% Albuquerque Municipal School District No 12, GO, Series 2017, 5.00%, 8/01/30 1,250 1,471,150 County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 7/01/33 2,510 2,636,253 New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,834,575 6,941,978			
134,341,321 New Mexico 1.2% Albuquerque Municipal School District No 12, GO, Series 2017, 5.00%, 8/01/30 1,250 1,471,150 County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 7/01/33 2,510 2,636,253 New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,834,575 6,941,978			
New Mexico 1.2% Albuquerque Municipal School District No 12, GO, Series 2017, 5.00%, 8/01/30 1,250 1,471,150 County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 7/01/33 2,510 2,636,253 New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,834,575 6,941,978	State of New Jersey, GO, Various Purposes, 5.00%, 6/01/28	5,000	5,564,250
Albuquerque Municipal School District No 12, GO, Series 2017, 5.00%, 8/01/30 1,250 1,471,150 County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 7/01/33 2,510 2,636,253 New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,834,575 New York 18.5% 6,941,978			134,341,321
County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 7/01/33 2,510 2,636,253 New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,834,575 6,941,978 6,941,978	New Mexico 1.2%		
County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 7/01/33 2,510 2,636,253 New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,834,575 6,941,978 6,941,978	Albuquerque Municipal School District No 12, GO, Series 2017, 5.00%, 8/01/30	1,250	1,471,150
New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 8/01/31 2,500 2,834,575 6,941,978 6,941,978	County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 7/01/33		
New York 18.5%			
New York 18.5%	· · · · · · · · · · · · · · · · · · ·	,	,,
New York 18.5%			6 0 41 070
Build NYC Resource Corp., Refunding RB, 5.00%, 7/01/33 3,085 3,304,806	N N 1 10.50		6,941,978

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JANUARY 31, 2017

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	Par	
Municipal Bonds	(000)	Value
New York (continued)	(000)	, and
City of New York New York, GO, Refunding, Series A, 5.00%, 8/01/29	\$ 6,125	\$ 7,135,502
City of New York New York, GO:	, .	,
Sub-Series B-1, 5.25%, 9/01/22	4,250	4,526,505
Sub-Series I-1, 5.50%, 4/01/21	5,000	5,471,400
Sub-Series-D-1, 5.13%, 12/01/17 (a)	2,730	2,825,768
Sub-Series-D- 1, 5.13%, 12/01/26	1,885	1,947,676
City of New York New York Transitional Finance Authority, BARB, Fiscal 2009, Series S-3, 5.00%,		
1/15/23	3,560	3,800,371
County of Monroe New York Industrial Development Corp., Refunding RB, Series A, 5.00%, 7/01/29	5,695	6,563,374
County of Nassau New York, GO, Series A, 5.00%, 1/01/33	3,110	3,525,714
County of Westchester New York Healthcare Corp., Refunding RB, Senior Lien, Remarketing, Series A:		
5.00%, 11/01/24	5,470	6,067,433
5.00%, 11/01/30	655	709,692
Long Island Power Authority, Refunding RB, Electric System, Series A, 5.50%, 4/01/19 (a)	1,000	1,092,250
Metropolitan Transportation Authority, RB:		
Sub-Series B-1, 5.00%, 11/15/24	2,300	2,632,511
Sub-Series B-4, 5.00%, 11/15/24	1,500	1,716,855
New York City Trust for Cultural Resources, Refunding RB, Carnegie Hall, Series A, 5.00%, 12/01/29	2,750	2,987,050
New York State Dormitory Authority, RB, North Shore-Long Island Jewish Health System, Series A,		
5.50%, 5/01/19 (a)	1,495	1,637,623
New York State Dormitory Authority, Refunding RB:	100	
4.25%, 9/01/19 (a)	480	515,933
5.00%, 7/01/30	1,555	1,799,804
New York State Thruway Authority, RB, Junior Lien, Series A:	4.500	5 075 550
5.00%, 1/01/33	4,500	5,075,550
5.00%, 1/01/34	2,000 Par	2,244,300
Municipal Danda	(000)	Value
Municipal Bonds	(000)	Value
New York (continued) Port Authority of New York & New Jersey, ARB, JFK International Air Terminal LLC Project,		
5.00%, 12/01/20	\$ 2,475	\$ 2,714,011
Port Authority of New York & New Jersey, Refunding ARB, Consolidated, 152nd Series, AMT,	\$ 2,475	\$ 2,714,011
5.00%, 11/01/23	1,000	1,044,990
Port Authority of New York & New Jersey, Refunding RB, 5.00%, 11/01/28	6,185	7,269,663
State of New York Dormitory Authority, RB:	0,105	
Fordham University, Series A, 5.25%, 7/01/25		1 000 000
	900	1.009.692
	900 9.000	1,009,692 9,935,190
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32	9,000	9,935,190
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a)		9,935,190 10,610
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a)	9,000 10 3,625	9,935,190 10,610 3,846,016
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a)	9,000 10 3,625 30	9,935,190 10,610 3,846,016 31,829
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 2/15/22	9,000 10 3,625	9,935,190 10,610 3,846,016 31,829 343,467
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a)	9,000 10 3,625 30 325	9,935,190 10,610 3,846,016 31,829
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services, 2nd Series (AGM), 5.00%, 8/15/18 (a)	9,000 10 3,625 30 325 10	9,935,190 10,610 3,846,016 31,829 343,467 10,610
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services, 2nd Series (AGM), 5.00%, 8/15/18 (a) Municipal Health Facilities Lease, Sub-Series 2-4, 5.00%, 1/15/27	9,000 10 3,625 30 325 10 6,900	9,935,190 10,610 3,846,016 31,829 343,467 10,610 7,142,742
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services, 2nd Series (AGM), 5.00%, 8/15/18 (a) Municipal Health Facilities Lease, Sub-Series 2-4, 5.00%, 1/15/27 New York University Hospitals Center, Series A, 5.00%, 7/01/20 (a)	9,000 10 3,625 30 325 10 6,900 1,725	9,935,190 10,610 3,846,016 31,829 343,467 10,610 7,142,742 1,930,844
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services, 2nd Series (AGM), 5.00%, 8/15/18 (a) Municipal Health Facilities Lease, Sub-Series 2-4, 5.00%, 1/15/27 New York University Hospitals Center, Series A, 5.00%, 7/01/20 (a) New York University Hospitals Center, Series A, 5.13%, 7/01/20 (a)	9,000 10 3,625 30 325 10 6,900 1,725	9,935,190 10,610 3,846,016 31,829 343,467 10,610 7,142,742 1,930,844
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services, 2nd Series (AGM), 5.00%, 8/15/18 (a) Municipal Health Facilities Lease, Sub-Series 2-4, 5.00%, 1/15/27 New York University Hospitals Center, Series A, 5.00%, 7/01/20 (a) New York University Hospitals Center, Series A, 5.13%, 7/01/20 (a) State of New York Dormitory Authority, Refunding RB, North Shore-Long Island Jewish Obligated	9,000 10 3,625 30 325 10 6,900 1,725 1,670	9,935,190 10,610 3,846,016 31,829 343,467 10,610 7,142,742 1,930,844 1,876,212
Icahn School of Medicine at Mount Sinai, Series A, 5.00%, 7/01/32 Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services (AGM), 5.00%, 8/15/18 (a) Mental Health Services, 2nd Series (AGM), 5.00%, 8/15/18 (a) Municipal Health Facilities Lease, Sub-Series 2-4, 5.00%, 1/15/27 New York University Hospitals Center, Series A, 5.00%, 7/01/20 (a) New York University Hospitals Center, Series A, 5.13%, 7/01/20 (a) State of New York Dormitory Authority, Refunding RB, North Shore-Long Island Jewish Obligated	9,000 10 3,625 30 325 10 6,900 1,725 1,670	9,935,190 10,610 3,846,016 31,829 343,467 10,610 7,142,742 1,930,844 1,876,212 3,425,854

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JANUARY 31, 2017

	Par	
Municipal Bonds	(000)	Value
Dhio 1.2%		
State of Ohio Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1, 5.25%, 2/15/31	\$ 6,000	\$ 6,843,660
Oklahoma 0.8%		
Oklahoma City Public Property Authority, Refunding RB:		
5.00%, 10/01/27	1,190	1,368,203
5.00%, 10/01/28	1,265	1,444,579
5.00%, 10/01/29	1,400	1,588,790
Dregon 2.3%		4,401,572
County of Klamath Oregon School District, GO:		
	1 000	1 140 070
5.00%, 6/15/30	1,000	1,140,070
5.00%, 6/15/31	1,000	1,135,040
County of Umatilla Oregon School District No. 16R Pendleton, GO, Series A, 5.00%, 6/15/32	2,000	2,274,060
County of Yamhill Oregon School District No. 40 McMinnville, GO, 4.00%, 6/15/33	1,380	1,464,152
Klamath Falls Intercommunity Hospital Authority, Refunding RB, Sky Lakes Medical Center Project:		
5.00%, 9/01/30	400	453,592
5.00%, 9/01/31	300	338,445
5.00%, 9/01/32	540	606,388
Oregon Health & Science University, Refunding RB, Series B, 5.00%, 7/01/33	1,500	1,727,205
Oregon State Facilities Authority, Refunding RB, Reed College Project, Series A, 5.00%, 7/01/29		
	1,835	2,012,078
State of Oregon, GO, Series H, 5.00%, 5/01/36	2,000	2,230,940
		13,381,970
Pennsylvania 4.3%		,
City of Philadelphia Pennsylvania, ARB, Series A, AMT, 5.00%, 6/15/20	2,895	2,937,238
County of Allegheny Pennsylvania, GO, Refunding, Series C-68, 5.00%, 11/01/25	2,515	2,821,604
County of Allegheny Pennsylvania, GO, Series C-67:		
5.00%, 11/01/25	2,700	3,038,229
5.00%, 11/01/26	2,375	2,646,391
	Par	
Municipal Danda	(000)	Value
Municipal Bonds Pennsylvania (continued)	(000)	value
Pennsylvania Turnpike Commission, RB:	¢ 1.500	¢ 1 (00 505
Series B, 5.00%, 12/01/32	\$ 1,500	\$ 1,680,525
Sub-Series B, 5.25%, 12/01/31	4,000	4,401,960
South Fork Municipal Authority, Refunding RB, Conemaugh Valley Memorial Hospital, Series A (AGC),	6 00 5	5 4 62 404
6.00%, 7/01/20 (a)	6,225	7,163,481
		24,689,428
Puerto Rico 1.6%		21,000,120
Puerto Rico Housing Finance Authority, Refunding RB, M/F Housing, Subordinate, Capital Fund		
Modernization, 5.13%, 12/01/27	9,000	9,493,560
Rhode Island 1.9%	. ,	. , ,
Narragansett Bay Commission, Refunding RB, Series B, 5.00%, 9/01/32	4,150	4,718,176
Providence Redevelopment Agency, Refunding RB, Series A, 5.00%, 4/01/29	1,000	1,086,830
Rhode Island Health & Educational Building Corp., RB, City of Newport Issue Financing Program, Series C,	1,000	1,000,030
5.00%, 5/15/30	2,305	2,556,499
Rhode Island Health & Educational Building Corp., Refunding RB, 5.00%, 9/01/32	2,000	2,289,980
Sauth Caralina 200		10,651,485
South Carolina 2.2% South Carolina Public Service Authority, Refunding RB, Series A:		
	5,500	6,326,650
5.00%, 12/01/30	,	
5.00%, 12/01/31	5,660	6,466,380
		12,793,030
		,,

South Dakota 0.2%		
South Dakota Health & Educational Facilities Authority, Refunding RB, Regional Health, 5.00%, 9/01/25	1,000	1,091,140

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. JANUA

JANUARY 31, 2017

	Par	
	(000)	
Municipal Bonds	(000)	Value
Tennessee 2.0%		
County of Memphis-Shelby Tennessee Sports Authority, Inc., Refunding RB, Memphis Arena Project:	¢ 0.05	¢ 0.016 710
Series A, 5.00%, 11/01/23	\$ 2,695	\$ 2,916,718
Series B, 5.00%, 11/01/22	1,000	1,083,950
Knox County Health Educational & Housing Facility Board Tennessee, Refunding RB, Eastowne Village Project, 4.00%, 6/01/31 (c)	3,200	3,340,544
Metropolitan Government Nashville & Davidson County Health & Educational Facilities Board, RB,	,	
Vanderbilt University Medical Center, Series A, 5.00%, 7/01/35	4,000	4,410,160
		11,751,372
Texas 8.6%		
City of Austin Texas Water & Wastewater System Revenue, Refunding RB, 5.00%, 11/15/30	6,000	7,078,080
City of Grapevine Texas, GO, 5.00%, 2/15/33	5,685	6,425,926
City of Houston Texas, Refunding ARB, Subordinate Lien, Series A, AMT:		
5.00%, 7/01/25	1,500	1,638,150
5.00%, 7/01/32	1,010	1,084,649
Dallas/Fort Worth International Airport, Refunding RB, AMT:		
Series E, 5.00%, 11/01/26	2,185	2,402,582
Series E, 5.00%, 11/01/27	4,960	5,448,312
Series E, 5.00%, 11/01/21	6,345	6,911,101
Love Field Airport Modernization Corp., RB, Southwest Airlines Co. Project, AMT, 5.00%, 11/01/28	1,000	1,084,400
North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/33	2,500	2,811,525
Red River Education Financing Corp., RB, 5.00%, 3/15/33	1,340	1,496,767
		3,147,601
San Jacinto River Authority, RB, Special Project (AGM), 5.25%, 10/01/25	2,910	, ,
Socorro ISD, GO, Refunding, School Building (PSF-GTD), 5.00%, 8/15/32	2,500 Par	2,759,650
Municipal Bonds	(000)	Value
Texas (continued)		
Via Metropolitan Transit Authority, Refunding RB:		
5.25%, 8/01/28	\$ 1,585	\$ 1,800,116
5.25%, 8/01/29	1,720	1,928,860
Via Metropolitan Transit Authority, Refunding RB (continued):		
5.25%, 8/01/33	3,000	3,358,350
		49,376,069
U.S. Virgin Islands 1.0%		49,376,069
U.S. Virgin Islands 1.0% Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0%	5,000	49,376,069 5,488,450
Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0%	,	5,488,450
Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0%	5,000 5,565	
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series 	5,565	5,488,450 5,875,082
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 	,	5,488,450
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 	5,565	5,488,450 5,875,082
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 Vest Virginia 1.0% Vest Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 	5,565	5,488,450 5,875,082 4,270,680
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 West Virginia University, RB, West Virginia University Project, Series B, 5.00%, 10/01/30 	5,565	5,488,450 5,875,082 4,270,680 1,672,740
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 West Virginia University, RB, West Virginia University Project, Series B, 5.00%, 10/01/30 Wisconsin 1.4% 	5,565 4,000 1,500	5,488,450 5,875,082 4,270,680 1,672,740 5,943,420
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 West Virginia University, RB, West Virginia University Project, Series B, 5.00%, 10/01/30 Wisconsin 1.4% Public Finance Authority, Refunding RB, AMT: National Gypsum Co., 5.25%, 4/01/30 	5,565 4,000 1,500 2,410	5,488,450 5,875,082 4,270,680 1,672,740 5,943,420 2,531,825
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 West Virginia University, RB, West Virginia University Project, Series B, 5.00%, 10/01/30 Wisconsin 1.4% Public Finance Authority, Refunding RB, AMT: National Gypsum Co., 5.25%, 4/01/30 Wisconsin Airport Facilities, Senior Obligated Group, Series B, 5.25%, 7/01/28 	5,565 4,000 1,500	5,488,450 5,875,082 4,270,680 1,672,740 5,943,420
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 West Virginia University, RB, West Virginia University Project, Series B, 5.00%, 10/01/30 Wisconsin 1.4% Public Finance Authority, Refunding RB, AMT: National Gypsum Co., 5.25%, 4/01/30 Wisconsin Airport Facilities, Senior Obligated Group, Series B, 5.25%, 7/01/28 Wisconsin Health & Educational Facilities Authority, Refunding RB, The Monroe Clinic, Inc., 	5,565 4,000 1,500 2,410 4,765	5,488,450 5,875,082 4,270,680 1,672,740 5,943,420 2,531,825 5,096,596
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 Vest Virginia 1.0% Vest Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 Vest Virginia University, RB, West Virginia University Project, Series B, 5.00%, 10/01/30 Visconsin 1.4% Public Finance Authority, Refunding RB, AMT: National Gypsum Co., 5.25%, 4/01/30 Visconsin Airport Facilities, Senior Obligated Group, Series B, 5.25%, 7/01/28 Visconsin Health & Educational Facilities Authority, Refunding RB, The Monroe Clinic, Inc., 	5,565 4,000 1,500 2,410	5,488,450 5,875,082 4,270,680 1,672,740 5,943,420 2,531,825
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 West Virginia University, RB, West Virginia University Project, Series B, 5.00%, 10/01/30 Wisconsin 1.4% Public Finance Authority, Refunding RB, AMT: National Gypsum Co., 5.25%, 4/01/30 Wisconsin Airport Facilities, Senior Obligated Group, Series B, 5.25%, 7/01/28 Wisconsin Health & Educational Facilities Authority, Refunding RB, The Monroe Clinic, Inc., 	5,565 4,000 1,500 2,410 4,765	5,488,450 5,875,082 4,270,680 1,672,740 5,943,420 2,531,825 5,096,596
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 West Virginia University, RB, West Virginia University Project, Series B, 5.00%, 10/01/30 Wisconsin 1.4% Public Finance Authority, Refunding RB, AMT: National Gypsum Co., 5.25%, 4/01/30 Wisconsin Airport Facilities, Senior Obligated Group, Series B, 5.25%, 7/01/28 	5,565 4,000 1,500 2,410 4,765	5,488,450 5,875,082 4,270,680 1,672,740 5,943,420 2,531,825 5,096,596
 Virgin Islands Public Finance Authority, Refunding RB, Series A, 5.25%, 10/01/24 Vermont 1.0% University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 West Virginia 1.0% West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 9/01/23 West Virginia University, RB, West Virginia University Project, Series B, 5.00%, 10/01/30 Wisconsin 1.4% Public Finance Authority, Refunding RB, AMT: National Gypsum Co., 5.25%, 4/01/30 Wisconsin Airport Facilities, Senior Obligated Group, Series B, 5.25%, 7/01/28 Wisconsin Health & Educational Facilities Authority, Refunding RB, The Monroe Clinic, Inc., 	5,565 4,000 1,500 2,410 4,765	5,488,450 5,875,082 4,270,680 1,672,740 5,943,420 2,531,825 5,096,596 463,127

Municipal Bonds Transferred to

Tender Option Bond Trusts (g)		
Connecticut 2.0%		
Connecticut State Health & Educational Facility Authority, Refunding RB, 5.00%, 12/01/33	10,000	11,227,371

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BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JANUARY 31, 2017

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

Municipal Bonds Transferred to		Par		
Tender Option Bond Trusts (g)		(000)		Value
Illinois 1.5%				
Du Page & Will Counties Community School District No. 204, GO, School Building, Series A (NPFGC),	5.25%,			
6/30/17 (a)		\$ 8,650		\$ 8,811,558
Louisiana 2.4%				
State of Louisiana, GO, Series A, 5.00%, 8/01/24		12,000		13,585,920
Massachusetts 2.0%				
Massachusetts Development Finance Agency, Refunding RB, Partners Healthcare, Series L, 5.00%, 7/01/2	31	10,175		11,313,257
Minnesota 1.9%				
State of Minnesota, GO, State Various Purposes, Series A, 4.00%, 8/01/29		10,525		10,963,783
New York 9.6%				
City of New York New York, GO, Refunding, Series E, 5.00%, 8/01/27		3,507		3,806,807
City of New York New York, GO, Series I, 5.00%, 3/01/32		7,009		7,950,456
City of New York New York Municipal Water Finance Authority, Refunding RB, Water & Sewer System	, Series A:			
4.75%, 6/15/17 (a)		1,508		1,527,805
4.75%, 6/15/30		6,492		6,578,195
Metropolitan Transportation Authority, RB, Series B, 5.25%, 11/15/19 (a)		4,001		4,438,868
Port Authority of New York & New Jersey, ARB, Consolidated, 169th Series, AMT, 5.00%, 10/15/26		5,530		6,160,475
Port Authority of New York & New Jersey, RB, 178th Series, AMT, 5.00%, 12/01/32		4,009		4,459,011
Sales Tax Asset Receivable Corp., Refunding RB, Fiscal 2015, Series A, 5.00%, 10/15/31		5,010		5,844,516
Municipal Bonds Transferred to	Par			
Tender Option Bond Trusts (g)	(000)			Value
New York (continued)	(000)			(unde
	\$ 7,000	1	\$	8,211,770
State of New York Urban Development Corp., RB, Personal Income Tax, Series A-1, 5.00%, 3/15/32	5,501		Ŧ	6,293,936
	- ,			., ,
				55,271,839
Total Municipal Bonds Transferred to				
Tender Option Bond Trusts 19.4%				111,173,728
Total Long-Term Investments				,,
(Cost \$874,637,164) 157.8%				905,890,633

Short-Term Securities	Shares	
BlackRock Liquidity Funds, MuniCash, Institutional Class, 0.50% (h)(i)	11,470,427	11,471,574
Total Short-Term Securities		
(Cost \$11,470,587) 2.0%		11,471,574
Total Investments (Cost \$886,107,751*) 159.8%		917,362,207
Other Assets Less Liabilities 1.2%		6,946,419
Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable (11.0)%	2	(63,233,912)
VMTP Shares, at Liquidation Value (50.0)%		(287,100,000)
Net Assets Applicable to Common Shares 100.0%		\$ 573,974,714

* As of January 31, 2017, gross unrealized appreciation and depreciation based on cost for federal income tax purposes were as follows:

Tax cost	\$ 824,630,828
Gross unrealized appreciation	\$ 36,591,557
Gross unrealized depreciation	(6,962,026)

Net unrealized appreciation

\$ 29,629,531

Notes to Schedule of Investments

- (a) U.S. 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) Security exempt from registration pursuant to Rule 144A under the Securities Act of 1933, as amended. These securities may be resold in transactions exempt from registration to qualified institutional investors.
- (c) Variable rate security. Rate as of period end.
- (d) Non-income producing security.
- (e) Issuer filed for bankruptcy and/or is in default.
- (f) Security is collateralized by municipal bonds or U.S. Treasury obligations.

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JANUARY 31, 2017

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

- (g) Represent bonds transferred to a TOB Trust in exchange of cash and residual certificates received by the Fund. These bonds serve as collateral in a secured borrowing.
- (h) During the period ended January 31, 2017, investments in issuers considered to be an affiliate of the Fund for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

	Shares Held		Shares Held	Value at					
	at April 30,	Net	at January 31,	January 31,			Realized Gain	Unre	nge in ealized eciation
Affiliate	2016	Activity	2017	2017	Income	(]	Loss)	(Depre	eciation)
BlackRock Liquidity Funds, MuniCash, Institutional Class	12,303,103	(832,676)	11,470,427	\$ 11,471,574	\$ 35,198	\$	(323)	\$	987

(i) Current yield as of period end.

Derivative Financial Instruments Outstanding as of Period End

Futures Contracts

			Notional	Unrealized
Contracts				
Long (Short)	Issue	Expiration	Value	Depreciation
(102)	5-Year U.S. Treasury Note	March 2017	\$ 12,022,453	\$ (24,491)
(434)	10-Year U.S. Treasury Note	March 2017	\$ 54,019,438	(140,408)
(137)	Long U.S. Treasury Bond	March 2017	\$ 20,665,594	(23,874)
5	Ultra Long U.S. Treasury Bond	March 2017	\$ 803,438	(1,447)
Total				\$ (190,220)

Portfolio Abbreviations

AGC	Assured Guarantee Corp.
AGM	Assured Guaranty Municipal Corp.
AMT	Alternative Minimum Tax (subject to)
ARB	Airport Revenue Bonds
BARB	Building Aid Revenue Bonds
BHAC	Berkshire Hathaway Assurance Corp.
COP	Certificates of Participation
EDA	Economic Development Authority
EDC	Economic Development Corp.
GARB	General Airport Revenue Bonds
GO	General Obligation Bonds
GTD	Guaranteed
IDA	Industrial Development Authority
ISD	Independent School District

LRBLease Revenue BondsM/FMulti-FamilyNPFGCNational Public Finance Guarantee Corp.PSFPermanent School FundRBRevenue Bonds

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BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JANUARY 31, 2017

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

Fair Value Hierarchy as of Period End

Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs to valuation techniques are categorized into a fair value 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. Investments classified within Level 3 have significant unobservable inputs used by the BlackRock Global Valuation Methodologies Committee (the Global Valuation Committee) in determining the price for Fair Valued Investments. Level 3 Investments may also be adjusted to reflect illiquidity and/or non-transferability, with the amount of such discount estimated by the Global Valuation Committee in the absence of market information.

Changes in valuation techniques may result in transfers into or out of an assigned level within the hierarchy. In accordance with the Fund s policy, transfers between different levels of the fair value 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 investments and derivative financial instruments 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 as most recent financial statements as contained in its semi-annual report.

The following tables summarize the Fund s investments and derivative financial instruments categorized in the disclosure hierarchy:

	Level 1	Level 2	Level 3	Total
Assets:				
Investments:				
Long-Term Investments ¹		\$ 905,890,633		\$ 905,890,633
Short-Term Securities	\$ 11,471,574			11,471,574
Total	\$ 11,471,574	\$ 905,890,633		\$ 917,362,207
Derivative Financial Instruments ²				
Liabilities:				
Interest rate contracts	\$ (190,220)			\$ (190,220)

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

² Derivative financial instruments are futures contracts which are valued at the unrealized appreciation (depreciation) on the instrument.

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. JANUARY 31, 2017

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BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

The Fund may hold assets and/or liabilities in which the fair value approximates the carrying for financial reporting purposes. As of period end, such assets and/or liabilities are categorized within the disclosure hierarchy as follows:

	Level 1	Level 2	Level 3	Total
Liabilities:				
TOB Trust Certificates		\$ (63,101,848)		\$ (63,101,848)
VMTP Shares at Liquidation Value		(287,100,000)		(287,100,000)
Total		\$ (350,201,848)		\$ (350,201,848)

During the period ended January 31, 2017, there were no transfers between levels.

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BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. JANUARY 31, 2017

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 Muni Intermediate Duration Fund, Inc.

By: <u>/s/ John M. Perlowski</u> John M. Perlowski Chief Executive Officer (principal executive officer) of BlackRock Muni Intermediate Duration Fund, Inc. Date: March 23, 2017

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: <u>/s/ John M. Perlowski</u> John M. Perlowski Chief Executive Officer (principal executive officer) of BlackRock Muni Intermediate Duration Fund, Inc.

Date: March 23, 2017

By: <u>/s/ Neal J. Andrews</u> Neal J. Andrews Chief Financial Officer (principal financial officer) of BlackRock Muni Intermediate Duration Fund, Inc.

Date: March 23, 2017