

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

Form N-Q

March 28, 2019

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: 04/30/2019

Date of reporting period: 01/31/2019

Item 1 Schedule of Investments

Schedule of Investments (unaudited)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Municipal Bonds 137.2% | | |
| Alabama 0.8% | | |
| City of Birmingham Alabama Special Care Facilities Financing Authority, RB, Children s Hospital (AGC), 6.00%, 06/01/19 | \$ 4,615 | \$ 4,678,549 |
| Arizona 4.0% | | |
| Arizona Board of Regents, RB, University of Arizona, 5.00%, 08/01/28 | 2,000 | 2,140,640 |
| Arizona Health Facilities Authority, Refunding RB, Phoenix Children s Hospital, Series A, 5.00%, 02/01/30 | 2,685 | 2,878,938 |
| Arizona Industrial Development Authority, RB, Academies of Math & Science Projects, Series B, 4.25%, 07/01/27 ^(b) | 545 | 535,157 |
| City of Phoenix Arizona IDA, RB, Facility, Legacy Traditional Schools Project, Series A, 5.75%, 07/01/24 ^(b) | 750 | 797,243 |
| City of Phoenix Arizona IDA, Refunding RB, Downtown Phoenix Student Housing, Series A: 5.00%, 07/01/25 | 300 | 336,408 |
| 5.00%, 07/01/29 | 175 | 198,434 |
| 5.00%, 07/01/31 | 175 | 195,141 |
| City of Tucson Arizona, COP, Refunding, (AGC), 4.00%, 07/01/20 | 2,325 | 2,395,796 |
| County of Maricopa Arizona IDA, Refunding RB, Honorhealth, Series A: 5.00%, 09/01/32 | 1,000 | 1,153,660 |
| 5.00%, 09/01/33 | 800 | 919,360 |
| 5.00%, 09/01/34 | 1,000 | 1,142,100 |
| County of Pinal Arizona Electric District No. 3, Refunding RB, 5.00%, 07/01/21 ^(a) | 1,600 | 1,722,864 |
| Glendale Union School District No. 205, GO, Series C (BAM): 5.00%, 07/01/24 | 1,945 | 2,185,635 |
| 5.00%, 07/01/27 | 500 | 557,610 |
| Phoenix-Mesa Gateway Airport Authority, RB, Mesa Project, AMT: 5.00%, 07/01/27 | 700 | 756,343 |
| 5.00%, 07/01/32 | 1,925 | 2,068,201 |
| Scottsdale IDA, Refunding RB, Scottsdale Healthcare, Series C (AGM), 5.00%, 09/01/35 | 2,050 | 2,137,371 |
| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
| Arizona (continued) | | |
| State of Arizona, COP, Department of Administration, Series A (AGM), 4.25%, 10/01/23 | \$ 1,000 | \$ 1,016,800 |
| | | 23,137,701 |
| Arkansas 0.7% | | |
| | 1,055 | 1,196,391 |

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| | | |
|--|--------|------------|
| City of Benton Arkansas, RB, 5.00%, 06/01/29 | | |
| University of Arkansas, Refunding RB, 5.00%, 03/01/31 | 2,315 | 2,648,337 |
| | | 3,844,728 |
| California 6.5% | | |
| California Health Facilities Financing Authority, RB, Sutter Health, Series B, 5.00%, 08/15/20 ^(a) | 2,135 | 2,246,981 |
| City of San Jose California, Refunding ARB, Series A-1, AMT, 5.00%, 03/01/25 | 2,000 | 2,118,380 |
| County of Santa Barbara California, COP, Series B, AMT, 5.25%, 12/01/33 | 10,330 | 12,207,891 |
| Golden State Tobacco Securitization Corp., Refunding RB, Series A-1: 5.00%, 06/01/33 | 6,715 | 7,487,561 |
| 5.00%, 06/01/35 | 5,785 | 6,397,284 |
| State of California, GO: 5.50%, 04/01/28 | 15 | 15,045 |
| Various Purposes, 5.75%, 04/01/31 | 7,000 | 7,042,840 |
| | | 37,515,982 |
| Colorado 1.6% | | |
| City & County of Denver Colorado Airport System Revenue, Refunding ARB, AMT, Sub-System, Series A, 5.00%, 12/01/32 | 5,000 | 5,831,400 |
| Colorado Health Facilities Authority, Refunding RB, Catholic Health Initiatives, Series B-1, 5.00%, 07/01/38 | 270 | 284,923 |
| Park Creek Metropolitan District, Refunding, Tax Allocation Bonds, 5.00%, 12/01/34 | 500 | 556,385 |
| University of Northern Colorado, Refunding RB, Series A, 5.00%, 06/01/31 | 2,000 | 2,257,960 |
| | | 8,930,668 |
| Connecticut 2.6% | | |
| Connecticut State Health & Educational Facility Authority, Refunding RB, Lawrence & Memorial Hospital, Series F, 5.00%, 07/01/21 ^(a) | 4,530 | 4,861,188 |
| State of Connecticut, GO, Series A: 5.00%, 04/15/30 | 5,000 | 5,763,600 |

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Connecticut (continued) | | |
| 5.00%, 04/15/31 | \$ 4,000 | \$ 4,549,040 |
| | | 15,173,828 |
| Delaware 0.8% | | |
| County of Kent Delaware, RB, CHF-Dover, LLC-Delaware State University Project, Series A: | | |
| 5.00%, 07/01/29 | 880 | 981,675 |
| 5.00%, 07/01/30 | 1,030 | 1,139,860 |
| 5.00%, 07/01/31 | 750 | 823,995 |
| 5.00%, 07/01/32 | 375 | 409,913 |
| 5.00%, 07/01/33 | 1,190 | 1,294,208 |
| | | 4,649,651 |
| Florida 5.9% | | |
| Capital Region Community Development District, Refunding, Special Assessment Bonds, Series A-1: | | |
| 4.13%, 05/01/23 | 500 | 497,090 |
| 4.63%, 05/01/28 | 500 | 493,680 |
| County of Broward Florida School Board, COP, Refunding, Series A (AGM), 5.00%, 07/01/21 ^(a) | 10,000 | 10,780,200 |
| County of Lee Florida, Refunding ARB, Series A, AMT (AGM), 5.00%, 10/01/27 | 1,635 | 1,748,747 |
| County of Lee Florida, Refunding RB, Series A, AMT, 5.50%, 10/01/23 | 1,000 | 1,083,360 |
| County of Miami-Dade Florida, RB, AMT, Series B: | | |
| 6.00%, 10/01/28 | 3,470 | 3,990,916 |
| 6.00%, 10/01/29 | 3,480 | 3,999,112 |
| County of Miami-Dade Florida Educational Facilities Authority, Refunding RB, Series A, 5.00%, 04/01/32 | 5,020 | 5,618,886 |
| County of Miami-Dade Florida Transit System Sales Surtax Revenue, Refunding RB, 5.00%, 07/01/32 | 1,500 | 1,639,230 |
| Lakewood Ranch Stewardship District, Special Assessment Bonds: | | |
| Del Webb Project, 3.65%, 05/01/22 ^(b) | 525 | 525,157 |
| Del Webb Project, 4.30%, 05/01/27 ^(b) | 520 | 518,898 |
| Lakewood National and Polo Run Projects, 4.00%, 05/01/22 | 1,230 | 1,236,716 |
| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
| Florida (continued) | | |
| Midtown Miami Community Development District, Refunding, Special Assessment Bonds, Series A, 4.25%, 05/01/24 | \$ 1,300 | \$ 1,332,903 |
| Sarasota County Health Facilities Authority, RB, Sunnyside Village Project, 5.00%, 05/15/33 | 600 | 651,246 |

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| | | |
|--|-------|------------|
| Sterling Hill Community Development District, Refunding, Special Assessment Bonds, Series B, 5.50%, 11/01/10 ^{(c)(d)} | 143 | 91,229 |
| | | 34,207,370 |
| Georgia 2.4% | | |
| City of Atlanta Georgia Water & Wastewater Revenue, Refunding RB, 5.00%, 11/01/32 | 8,315 | 9,473,030 |
| County of Cobb Kennestone Hospital Authority, Refunding RB, Revenue Anticipation Certificates, 5.00%, 04/01/32 | 1,250 | 1,419,988 |
| Main Street Natural Gas Inc, RB, Series A, 5.50%, 09/15/28 | 2,500 | 3,067,775 |
| | | 13,960,793 |
| Hawaii 0.9% | | |
| State of Hawaii Airports System, Refunding ARB, Series A, 5.25%, 07/01/29 | 5,000 | 5,210,950 |
| Illinois 15.8% | | |
| Chicago Board of Education, GO, Refunding, Series C, 5.00%, 12/01/26 | 4,730 | 5,005,759 |
| Chicago Board of Education, GO, Refunding Dedicated Revenues, Series D, 5.00%, 12/01/26 | 4,185 | 4,428,985 |
| City of Chicago Illinois Midway International Airport, Refunding ARB, 2nd Lien, Series A, AMT: | | |
| 5.00%, 01/01/32 | 5,000 | 5,431,700 |
| 5.50%, 01/01/32 | 1,500 | 1,647,150 |
| City of Chicago Illinois O Hare International Airport, Refunding GARB, AMT, Series C: | | |
| 5.25%, 01/01/28 | 1,350 | 1,479,465 |
| 5.25%, 01/01/29 | 3,020 | 3,301,404 |
| City of Chicago Illinois O Hare International Airport, RB, Refunding GARB, 5.00%, 01/01/32 | 3,745 | 4,158,373 |

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|--|----------------------|---------------|
| Illinois (continued) | | |
| City of Chicago Illinois O Hare International Airport, Refunding GARB, Senior Lien, Series A, AMT, 5.00%, 01/01/23 | \$ 13,000 | \$ 14,258,660 |
| City of Chicago Illinois Transit Authority, RB, 5.25%, 12/01/31 | 3,700 | 3,924,738 |
| County of Cook Illinois Community College District No. 508, GO, City College of Chicago, 5.13%, 12/01/38 | 1,000 | 1,026,340 |
| Illinois Finance Authority, Refunding RB, CHF-Chicago, LLC-University Of Illinois at Chicago: | | |
| 5.00%, 02/15/28 | 810 | 916,150 |
| 5.00%, 02/15/29 | 400 | 448,932 |
| 5.00%, 02/15/30 | 500 | 557,625 |
| 5.00%, 02/15/31 | 500 | 554,505 |
| 5.00%, 02/15/32 | 500 | 551,790 |
| Madison-Macoupin Etc. Counties Community College District No. 536, GO, Refunding, Lewis & Clark Community College: | | |
| 5.00%, 05/01/30 | 475 | 490,238 |
| 5.00%, 05/01/31 | 500 | 515,980 |
| 5.00%, 05/01/32 | 500 | 515,480 |
| Metropolitan Pier & Exposition Authority, Refunding RB, McCormick Place Expansion Project, 5.00%, 12/15/28 | 1,200 | 1,304,628 |
| Railsplitter Tobacco Settlement Authority, RB, 5.50%, 06/01/21 ^(a) | 3,500 | 3,795,155 |
| State of Illinois, GO: | | |
| 5.25%, 02/01/30 | 5,000 | 5,264,100 |
| 5.00%, 04/01/31 | 1,000 | 1,036,230 |
| 5.00%, 05/01/31 | 10,010 | 10,382,572 |
| State of Illinois, GO, Refunding, Series B, | | |
| 5.00%, 10/01/27 | 470 | 509,814 |
| State of Illinois, GO, Series D, 5.00%, 11/01/28 | 1,645 | 1,776,584 |
| State of Illinois Finance Authority, Refunding RB, Southern Illinois Healthcare Enterprises, Inc.: | | |
| 5.00%, 03/01/30 | 550 | 625,818 |
| 5.00%, 03/01/32 | 920 | 1,034,218 |
| State of Illinois Toll Highway Authority, RB, Series A, 5.00%, 01/01/34 | 9,140 | 10,010,585 |
| State of Illinois Toll Highway Authority, Refunding RB, Senior Series A, 5.00%, 12/01/31 | 5,220 | 5,922,925 |
| | | 90,875,903 |
| Indiana 4.0% | | |
| City of Whiting Indiana, RB, BP Products North America, Inc. Project, 5.25%, 01/01/21 | 4,800 | 5,086,848 |
| | <i>Par (000)</i> | <i>Value</i> |
| Indiana (continued) | | |

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| | | |
|--|----------|--------------|
| County of Jasper Indiana, Refunding RB, Northern Indiana Public Service Co., Series C (NPFGC), 5.85%, 04/01/19 | \$ 2,000 | \$ 2,011,440 |
| Indiana Finance Authority, RB, Wastewater, 1st Lien, Series A, 5.25%, 10/01/31 | 10,000 | 10,839,700 |
| Indiana Finance Authority, Refunding RB, US Steel Corp. Project, 6.00%, 12/01/19 | 5,000 | 5,106,250 |
| | | 23,044,238 |
| Iowa 1.1% | | |
| Iowa Higher Education Loan Authority, RB, Private College Facility: | | |
| 5.25%, 04/01/23 | 695 | 742,309 |
| 5.25%, 04/01/24 | 730 | 779,691 |
| 5.25%, 04/01/25 | 520 | 555,397 |
| 5.25%, 04/01/26 | 360 | 384,505 |
| Iowa Higher Education Loan Authority, Refunding RB, Private College Facility: | | |
| 5.00%, 09/01/20 ^(a) | 2,315 | 2,430,611 |
| Upper Iowa University Project, | | |
| 5.00%, 09/01/20 ^(e) | 800 | 826,856 |
| Iowa Student Loan Liquidity Corp., Refunding RB, AMT, Series A, 5.00%, 12/01/26 | 775 | 885,259 |
| | | 6,604,628 |
| Kansas 1.4% | | |
| County of Seward Unified School District No. 480 Liberal, GO, Refunding: | | |
| 5.00%, 09/01/22 ^(a) | 1,005 | 1,108,505 |
| 5.00%, 09/01/22 ^(a) | 3,990 | 4,437,438 |
| 5.00%, 09/01/33 | 1,005 | 1,108,505 |
| Kansas Development Finance Authority, Refunding RB, Health Hospital Nursing Home Improvements: | | |
| 5.00%, 11/15/19 ^(a) | 35 | 35,841 |
| 5.00%, 11/15/23 | 1,465 | 1,496,527 |
| | | 8,186,816 |
| Kentucky 0.5% | | |
| County of Louisville/Jefferson Metropolitan Government, Refunding RB, Catholic Health Initiatives: | | |
| 5.00%, 12/01/35 | 120 | 126,640 |
| Series A, 5.00%, 12/01/31 | 2,750 | 2,921,820 |
| | | 3,048,460 |
| Louisiana 3.2% | | |
| City of Bossier City Louisiana Utilities, Refunding RB, 5.00%, 10/01/32 | 2,000 | 2,304,400 |

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Louisiana (continued) | | |
| Louisiana Local Government Environmental Facilities & Community Development Authority, Refunding RB, BRCC Facilities Corp. Project: 5.00%, 12/01/27 | \$ 3,445 | \$ 3,718,533 |
| 5.00%, 12/01/28 | 3,715 | 4,009,971 |
| New Orleans Aviation Board, RB, Series A, 5.00%, 01/01/33 | 1,000 | 1,113,820 |
| State of Louisiana Gasoline & Fuels Tax Revenue, Refunding RB, 4.00%, 05/01/34 | 3,000 | 3,121,110 |
| Terrebonne Levee & Conservation District, RB, Sales Tax, 5.00%, 07/01/28 | 3,660 | 4,083,352 |
| | | 18,351,186 |
| Maine 0.3% | | |
| Portland Housing Development Corp., Refunding RB, Senior Living, Retirement Facilities, Series A, 6.00%, 02/01/34 | 1,965 | 1,968,006 |
| Maryland 1.7% | | |
| City of Rockville Maryland, RB, Ingleside King Farm Project, 3.50%, 11/01/26 | 1,825 | 1,807,827 |
| Maryland Economic Development Corp., RB, Transportation Facilities Project, Series A, 5.13%, 06/01/20 ^(e) | 1,020 | 1,056,139 |
| Maryland Economic Development Corp., Refunding RB, Transportation Facilities Project, Series A: | | |
| 5.00%, 06/01/29 | 1,835 | 2,141,280 |
| 5.00%, 06/01/30 | 1,015 | 1,175,441 |
| 5.00%, 06/01/31 | 1,000 | 1,147,570 |
| 5.00%, 06/01/32 | 1,000 | 1,138,040 |
| Maryland Health & Higher Educational Facilities Authority, RB, Johns Hopkins Health System, Series B, 5.00%, 07/01/33 | 1,140 | 1,252,905 |
| | | 9,719,202 |
| Massachusetts 1.7% | | |
| Massachusetts Development Finance Agency, Refunding RB: Emerson College Issue, Series A, 5.00%, 01/01/31 | 1,730 | 1,889,558 |
| Suffolk University, 5.00%, 07/01/29 | 2,700 | 3,079,215 |
| Suffolk University, 5.00%, 07/01/30 | 3,125 | 3,534,250 |
| | <i>Par (000)</i> | <i>Value</i> |
| Massachusetts (continued) | | |
| Massachusetts Health & Educational Facilities Authority, Refunding RB, Winchester Hospital, 5.00%, 07/01/25 | \$ 1,060 | \$ 1,101,668 |
| | | 9,604,691 |

Michigan 3.5%

City of Detroit Michigan, GO:

| | | |
|---|-------|------------|
| 5.00%, 04/01/26 | 265 | 287,695 |
| 5.00%, 04/01/27 | 210 | 227,984 |
| 5.00%, 04/01/28 | 235 | 254,735 |
| 5.00%, 04/01/29 | 235 | 253,422 |
| 5.00%, 04/01/30 | 180 | 193,394 |
| 5.00%, 04/01/31 | 265 | 282,419 |
| 5.00%, 04/01/32 | 225 | 238,556 |
| 5.00%, 04/01/33 | 295 | 311,853 |
| Manistee Area Public Schools, GO, Refunding, (Q-SBLF), 5.00%, 05/01/25 | 1,000 | 1,069,970 |
| Michigan Finance Authority, Refunding RB, Senior Lien, Detroit Water and Sewer, Series C-3 (AGM), 5.00%, 07/01/31 | 4,000 | 4,445,120 |
| Michigan State Building Authority, Refunding RB, Facilities Program, Series II-A, | | |
| 5.00%, 10/15/24 | 2,500 | 2,702,075 |
| Michigan State Hospital Finance Authority, Refunding RB, Henry Ford Health System, 5.25%, 11/15/19 ^(a) | 4,900 | 5,033,035 |
| Michigan Strategic Fund, RB, I -75 Improvement Projects, AMT: | | |
| 5.00%, 06/30/33 | 2,415 | 2,724,651 |
| 5.00%, 12/31/33 | 2,000 | 2,256,440 |
| | | 20,281,349 |

Minnesota 2.0%

City of Minneapolis, RB, YMCA of the Greater Twin Cities Project:

| | | |
|--|-------|-----------|
| 4.00%, 06/01/30 | 150 | 160,813 |
| 4.00%, 06/01/31 | 50 | 52,960 |
| City of Minneapolis, Refunding RB, Fairview Health Services, Series A, 5.00%, 11/15/33 | 2,370 | 2,727,870 |
| County of St. Paul Minnesota Housing & Redevelopment Authority, RB, Great River School Project, Series A, 4.75%, 07/01/29 ^(b) | 250 | 253,975 |
| Duluth Economic Development Authority, Refunding RB, Essentia Health Obligated Group, Series A: | | |
| 5.00%, 02/15/33 | 1,000 | 1,123,910 |
| 5.00%, 02/15/34 | 1,185 | 1,332,331 |

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Minnesota (continued) | | |
| University of Minnesota, RB, Biomedical Science Research Facilities Funding Program: | | |
| Series B, 5.00%, 08/01/36 | \$ 1,000 | \$ 1,069,790 |
| Series C, 5.00%, 08/01/27 | 1,390 | 1,567,003 |
| Series C, 5.00%, 08/01/28 | 740 | 833,558 |
| Series C, 5.00%, 08/01/29 | 1,555 | 1,749,453 |
| Series C, 5.00%, 08/01/30 | 835 | 938,273 |
| | | 11,809,936 |
| Missouri 0.3% | | |
| City of St. Louis Missouri IDA, Refunding RB, Ballpark Village Development Project, Series A, 3.88%, 11/15/29 | | |
| | 370 | 377,844 |
| St. Louis County Industrial Development Authority, Refunding RB, Friendship Village St. Louis Obligated Group: | | |
| 5.00%, 09/01/27 | 360 | 384,556 |
| 5.00%, 09/01/32 | 1,015 | 1,053,671 |
| | | 1,816,071 |
| Montana 0.1% | | |
| County of Yellowstone Montana School District No. 2 Billings, GO, 5.00%, 06/15/30 | | |
| | 500 | 565,320 |
| Nebraska 0.9% | | |
| County of Douglas Nebraska Hospital Authority No. 3, Refunding RB, 5.00%, 11/01/30 | | |
| | 800 | 892,312 |
| County of Lancaster Nebraska Hospital Authority No. 1, Refunding RB, Immanuel Obligation Group, 5.50%, 01/01/30 | | |
| | 1,000 | 1,028,580 |
| Nebraska Public Power District, Refunding RB, Series A: | | |
| 5.00%, 01/01/30 | 1,000 | 1,078,740 |
| 5.00%, 01/01/32 | 2,000 | 2,156,300 |
| | | 5,155,932 |
| Nevada 1.6% | | |
| County of Clark Nevada Department of Aviation, Refunding RB, 5.00%, 07/01/33 | | |
| | 5,000 | 5,596,300 |
| County of Humboldt Nevada, Refunding RB, Idaho Power Co. Project, 5.15%, 12/01/24 | | |
| | 3,800 | 3,867,792 |
| | | 9,464,092 |
| New Hampshire 0.2% | | |
| New Hampshire Business Finance Authority, Refunding RB, Resource Recovery, Covanta Project, Series A, AMT, | | |
| | 795 | 782,852 |

4.00%, 11/01/27^(b)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| New Hampshire (continued) | | |
| New Hampshire Health & Education Facilities Authority Act, Refunding RB, Dartmouth-Hitchcock Obligated Group, Series A, 5.00%, 08/01/32 | \$ 365 | \$ 418,750 |
| | | 1,201,602 |
| New Jersey 25.7% | | |
| County of Essex New Jersey Improvement Authority, LRB, Newark Project, Series A (AGM), 5.00%, 11/01/20 | 1,364 | 1,415,314 |
| New Jersey EDA, ARB, Continental Airlines, Inc. Project, 5.13%, 09/15/23 | 6,040 | 6,513,596 |
| New Jersey EDA, RB, Goethals Bridge Replacement Project, Private Activity Bond AMT: | | |
| 5.50%, 01/01/26 | 1,500 | 1,691,085 |
| 5.50%, 01/01/27 | 1,000 | 1,122,500 |
| New Jersey EDA, Refunding ARB, Port Newark Container Terminal LLC Project, AMT: | | |
| 5.00%, 10/01/26 | 2,135 | 2,404,907 |
| 5.00%, 10/01/27 | 1,680 | 1,896,199 |
| New Jersey EDA, Refunding RB: | | |
| New Jersey American Water Co., Series E, AMT, 4.70%, 12/01/25 | 3,000 | 3,113,670 |
| School Facilities Construction, Series AA, 4.25%, 12/15/24 | 3,850 | 3,871,983 |
| School Facilities Construction, Series EE, 5.00%, 09/01/23 | 3,465 | 3,634,716 |
| New Jersey Educational Facilities Authority, RB, Higher Education Facilities Trust Fund, 5.00%, 06/15/28 | 10,000 | 10,793,300 |
| New Jersey Educational Facilities Authority, Refunding RB, 5.00%, 07/01/30 | 5,000 | 5,684,700 |
| New Jersey Higher Education Student Assistance Authority, Refunding RB: AMT, Series B, 5.00%, 12/01/27 | 1,000 | 1,164,130 |
| AMT, Series B, 5.00%, 12/01/28 | 1,000 | 1,163,360 |
| Series 1, AMT, 5.50%, 12/01/26 | 750 | 794,745 |
| Student Loan, Series 1A, 4.75%, 12/01/21 | 1,060 | 1,081,073 |
| New Jersey State Turnpike Authority, RB, Series E, 5.00%, 01/01/32 | 12,000 | 13,588,680 |
| New Jersey State Turnpike Authority, Refunding RB, Series B, 5.00%, 01/01/29 | 10,000 | 11,082,500 |
| New Jersey Transportation Trust Fund Authority, RB: Federal Highway Reimbursement Revenue Notes, Series A, 5.00%, 06/15/30 | 2,000 | 2,224,740 |

Schedule of Investments (unaudited) (continued)

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January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| New Jersey (continued) | | |
| Series B, 5.25%, 06/15/26 | \$ 3,500 | \$ 3,704,575 |
| Transportation Program, Series AA, 5.25%, 06/15/31 | 12,000 | 12,857,520 |
| Transportation Program, Series AA, 5.25%, 06/15/32 | 2,250 | 2,451,352 |
| Transportation System, Series A, 5.25%, 06/15/24 | 3,185 | 3,382,470 |
| Transportation System, Series B, 5.50%, 06/15/31 | 11,780 | 12,432,965 |
| Transportation System, Series C, 5.25%, 06/15/32 | 10,000 | 10,831,800 |
| New Jersey Transportation Trust Fund Authority, Refunding RB, Series A: Federal Highway Reimbursement Revenue Notes, 5.00%, 06/15/30 | 1,695 | 1,885,467 |
| Transportation System, 5.00%, 12/15/33 | 2,285 | 2,487,131 |
| Newark Housing Authority, RB, Series A: 5.00%, 12/01/23 | 1,230 | 1,383,688 |
| 5.00%, 12/01/25 | 1,345 | 1,521,733 |
| South Jersey Port Corp., ARB, Sobordinated Marine Terminal, Series B, AMT: 5.00%, 01/01/29 | 250 | 284,010 |
| 5.00%, 01/01/30 | 200 | 225,394 |
| 5.00%, 01/01/31 | 350 | 390,723 |
| 5.00%, 01/01/32 | 425 | 471,015 |
| State of New Jersey, GO, Various Purposes, 5.00%, 06/01/28 | 5,000 | 5,752,150 |
| Tobacco Settlement Financing Corp., Refunding RB, Series A: 5.00%, 06/01/30 | 850 | 972,477 |
| 5.00%, 06/01/32 | 11,980 | 13,459,530 |
| Tobacco Settlement Bonds, 5.00%, 06/01/33 | 220 | 245,496 |
| | | 147,980,694 |
| New Mexico 1.2% | | |
| Albuquerque Municipal School District No. 12, GO, Series 2017, 5.00%, 08/01/30 | 1,250 | 1,470,687 |
| County of Albuquerque Bernalillo New Mexico Water Utility Authority, Refunding RB, 4.00%, 07/01/33 | 2,510 | 2,664,315 |
| | <i>Par (000)</i> | <i>Value</i> |
| Security | | |
| New Mexico (continued) | | |
| New Mexico Hospital Equipment Loan Council, Refunding RB, 5.00%, 08/01/31 | \$ 2,500 | \$ 2,843,475 |
| | | 6,978,477 |
| New York 11.5% | | |
| | 450 | 453,465 |

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| | | |
|---|-------|-----------|
| Build NYC Resource Corp., RB, Inwood Academy for Leadership Charter School Project, Series A, 4.88%, 05/01/31 ^(b) | | |
| Build NYC Resource Corp., Refunding RB, Manhattan College Project, 5.00%, 08/01/35 | 665 | 756,570 |
| City of New York, GO, Refunding, Series A, 5.00%, 08/01/29 | 5,125 | 5,968,472 |
| City of New York, GO, Sub-Series I-1, 5.50%, 04/01/19 ^(a) | 5,000 | 5,031,550 |
| Counties of Buffalo & Erie New York Industrial Land Development Corp., Refunding RB, The Charter School for Applied Technologies Project, Series A: | | |
| 4.00%, 06/01/22 | 800 | 825,112 |
| 4.50%, 06/01/27 | 1,710 | 1,836,335 |
| 5.00%, 06/01/35 | 415 | 443,087 |
| County of Monroe New York Industrial Development Corp., Refunding RB, Series A, 5.00%, 07/01/23 ^(a) | 5,695 | 6,500,273 |
| County of Westchester New York Healthcare Corp., Refunding RB, Senior Lien, Remarketing, Series A: | | |
| 5.00%, 11/01/24 | 5,470 | 5,832,989 |
| 5.00%, 11/01/30 | 655 | 689,381 |
| Long Island Power Authority, Refunding RB, Electric System, Series A, 5.50%, 04/01/19 ^(a) | 1,000 | 1,006,230 |
| Metropolitan Transportation Authority, RB ^(a) : | | |
| Sub-Series B-1, 5.00%, 11/15/21 | 2,300 | 2,512,451 |
| Sub-Series B-4, 5.00%, 11/15/21 | 1,500 | 1,638,555 |
| New York City Trust for Cultural Resources, Refunding RB, Carnegie Hall, Series A, 5.00%, 12/01/29 | 2,750 | 2,820,757 |
| New York State Dormitory Authority, RB, North Shore-Long Island Jewish Health System, Series A, 5.50%, 05/01/19 ^(a) | 1,495 | 1,509,143 |
| New York State Dormitory Authority, Refunding RB: | | |
| 4.25%, 09/01/19 ^(a) | 480 | 487,109 |
| 5.00%, 07/01/30 | 1,555 | 1,792,791 |

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| New York (continued) | | |
| Niagara Area Development Corp., Refunding RB, Covanta Project, Series B, 3.50%, 11/01/24 ^(b) | \$ 1,000 | \$ 989,700 |
| Port Authority of New York & New Jersey, ARB, JFK International Air Terminal LLC Project, Series 8, 5.00%, 12/01/20 | 1,690 | 1,760,490 |
| State of New York Dormitory Authority, RB, Series A: Fordham University, 5.25%, 07/01/21 ^(a) | 900 | 977,517 |
| Icahn School of Medicine at Mount Sinai, 5.00%, 07/01/32 | 9,000 | 10,182,150 |
| New York University Hospitals Center, 5.00%, 07/01/20 ^(a) | 1,725 | 1,805,333 |
| New York University Hospitals Center, 5.13%, 07/01/20 ^(a) | 1,670 | 1,750,678 |
| State of New York Dormitory Authority, Refunding RB: North Shore-Long Island Jewish Obligated Group, Series A, 5.00%, 05/01/32 | 3,060 | 3,435,493 |
| Orange Regional Medical Center, 5.00%, 12/01/27 ^(b) | 900 | 1,037,430 |
| Orange Regional Medical Center, 5.00%, 12/01/28 ^(b) Series E, 5.25%, 03/15/33 | 1,800 | 2,061,972 |
| | 2,000 | 2,331,980 |
| | | 66,437,013 |
| North Carolina 0.3% | | |
| North Carolina Medical Care Commission, Refunding RB, WakeMed, Series A, 5.00%, 10/01/31 | 1,500 | 1,637,970 |
| Ohio 1.2% | | |
| State of Ohio Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1, 5.25%, 02/15/31 | 6,000 | 6,680,040 |
| Oklahoma 1.6% | | |
| Norman Regional Hospital Authority, Refunding RB, 5.00%, 09/01/28 | 1,575 | 1,812,321 |
| Oklahoma City Public Property Authority, Refunding RB: 5.00%, 10/01/27 | 1,190 | 1,389,670 |
| 5.00%, 10/01/28 | 1,265 | 1,474,699 |
| 5.00%, 10/01/29 | 1,400 | 1,626,450 |
| Oklahoma Development Finance Authority, RB, OU Medicene Project, Series B: 5.00%, 08/15/29 | 1,200 | 1,381,536 |
| | <i>Par (000)</i> | <i>Value</i> |
| Security | | |
| Oklahoma (continued) | | |
| 5.00%, 08/15/33 | \$ 1,305 | \$ 1,446,828 |
| | | 9,131,504 |
| Oregon 1.5% | | |

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| | | |
|--|-------|-----------|
| County of Klamath Oregon School District, GO: | | |
| 5.00%, 06/15/30 | 1,000 | 1,121,190 |
| 5.00%, 06/15/31 | 1,000 | 1,119,860 |
| County of Umatilla Oregon School District No. 16R Pendleton, GO, Series A, | | |
| 5.00%, 06/15/32 | 2,000 | 2,274,220 |
| Oregon State Facilities Authority, Refunding RB, Reed College Project, Series A, | | |
| 5.00%, 07/01/20 ^(a) | 1,835 | 1,919,667 |
| State of Oregon, GO, Series H, | | |
| 5.00%, 05/01/36 | 2,000 | 2,174,880 |
| | | 8,609,817 |

Pennsylvania 7.3%

| | | |
|---|-------|-----------|
| Allentown Neighborhood Improvement Zone Development Authority, RB, City Center Project ^(b) : | | |
| 5.00%, 05/01/22 | 2,000 | 2,090,460 |
| 5.00%, 05/01/23 | 640 | 675,949 |
| 5.00%, 05/01/28 | 835 | 911,478 |
| Commonwealth Financing Authority, RB, Tobacco Master Settlement Payment: | | |
| 5.00%, 06/01/33 | 2,000 | 2,262,340 |
| 5.00%, 06/01/34 | 3,750 | 4,222,687 |
| County of Allegheny Pennsylvania, GO, Refunding, Series C-68, 5.00%, 11/01/25 | 2,515 | 2,713,836 |
| County of Allegheny Pennsylvania, GO, Series C-67: | | |
| 5.00%, 11/01/25 | 2,700 | 2,913,462 |
| 5.00%, 11/01/26 | 2,375 | 2,560,796 |
| Pennsylvania Economic Development Financing Authority, RB, PA Bridges Finco LP, AMT, 5.00%, 12/31/28 | 115 | 129,599 |
| Pennsylvania Turnpike Commission, RB, Sub-Series B, 5.25%, 12/01/21 ^(a) | 4,000 | 4,392,280 |
| Pennsylvania Turnpike Commission, Refunding RB: | | |
| Second Series, 5.00%, 12/01/30 | 2,620 | 3,003,830 |
| Sub-Series B, 5.00%, 06/01/32 | 5,000 | 5,614,100 |
| School District of Philadelphia, GOL, Series A: | | |
| 5.00%, 09/01/30 | 1,200 | 1,385,448 |
| 5.00%, 09/01/31 | 1,000 | 1,148,170 |

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Pennsylvania (continued) | | |
| 5.00%, 09/01/32 | \$ 1,200 | \$ 1,368,396 |
| South Fork Municipal Authority, Refunding RB, Conemaugh Valley Memorial Hospital, Series A (AGC), 6.00%, 07/01/20 ^(a) | 6,225 | 6,580,572 |
| | | 41,973,403 |
| Rhode Island 1.3% | | |
| Providence Redevelopment Agency, Refunding RB, Series A, 5.00%, 04/01/29 | 1,000 | 1,097,500 |
| Rhode Island Health & Educational Building Corp., RB, City of Newport Issue Financing Program, Series C, 5.00%, 05/15/30 | 2,305 | 2,517,291 |
| Rhode Island Health & Educational Building Corp., Refunding RB, 5.00%, 09/01/32 | 2,000 | 2,241,500 |
| Rhode Island Student Loan Authority, Refunding RB, Senior Series A, AMT: 5.00%, 12/01/24 | 750 | 840,225 |
| 5.00%, 12/01/25 | 850 | 963,152 |
| | | 7,659,668 |
| South Carolina 2.5% | | |
| South Carolina Jobs-Economic Development Authority, Refunding RB, The Woodlands at Furman, 4.00%, 11/15/27 | 905 | 893,742 |
| South Carolina Public Service Authority, Refunding RB, Series A: 5.00%, 12/01/30 | 5,500 | 6,126,450 |
| 5.00%, 12/01/31 | 5,660 | 6,273,544 |
| 5.00%, 12/01/32 | 200 | 220,450 |
| 5.00%, 12/01/33 | 800 | 880,712 |
| | | 14,394,898 |
| South Dakota 0.2% | | |
| South Dakota Health & Educational Facilities Authority, Refunding RB, Regional Health, 5.00%, 09/01/20 ^(a) | 1,000 | 1,049,940 |
| Tennessee 2.0% | | |
| County of Memphis-Shelby Industrial Development Board, Refunding, Tax Allocation Bonds, Graceland Project, Series A, 4.75%, 07/01/27 | 220 | 229,123 |
| County of Memphis-Shelby Tennessee Sports Authority, Inc., Refunding RB, Memphis Arena Project: Series A, 5.00%, 11/01/23 | 2,695 | 2,756,958 |
| | <i>Par (000)</i> | <i>Value</i> |
| Tennessee (continued) | | |
| Series B, 5.00%, 11/01/22 | \$ 1,000 | \$ 1,022,920 |
| Knox County Health Educational & Housing Facility Board Tennessee, Refunding RB, Eastowne Village Project, 4.00%, 06/01/31 ^(f) | 2,885 | 2,933,295 |

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| | | |
|--|-------|------------|
| Metropolitan Government Nashville & Davidson County Health & Educational Facilities Board, RB, Vanderbilt University Medical Center, Series A, 5.00%, 07/01/35 | 4,000 | 4,449,120 |
| | | 11,391,416 |
| Texas 10.8% | | |
| City of Grapevine Texas, GO, 5.00%, 02/15/33 | 5,685 | 6,295,683 |
| City of Houston Texas, Refunding ARB, Subordinate Lien, Series A, AMT: 5.00%, 07/01/25 | 1,500 | 1,596,510 |
| 5.00%, 07/01/32 | 1,010 | 1,084,114 |
| City of Houston Texas Airport System Revenue, Refunding ARB, Sub-Series A, AMT: 5.00%, 07/01/31 | 1,430 | 1,667,995 |
| 5.00%, 07/01/32 | 1,515 | 1,755,006 |
| County of Tarrant Texas Cultural Education Facilities Finance Corp., RB, Christus Health, Series B, 5.00%, 07/01/33 | 8,485 | 9,726,271 |
| Dallas-Fort Worth International Airport, ARB, Joint Improvement, Series D, AMT, 5.00%, 11/01/38 | 8,290 | 8,743,049 |
| Dallas/Fort Worth Texas International Airport, Refunding RB, AMT: Series E, 5.00%, 11/01/26 | 2,185 | 2,296,195 |
| Series E, 5.00%, 11/01/27 | 4,960 | 5,207,206 |
| Series F, 5.00%, 11/01/31 | 6,345 | 6,636,743 |
| Love Field Airport Modernization Corp., RB, Southwest Airlines Co. Project, AMT, 5.00%, 11/01/28 | 1,000 | 1,081,660 |
| Mission EDC, Refunding RB, Senior Lien, NatGasoline Project, AMT, 4.63%, 10/01/31 ^(b) | 1,475 | 1,503,984 |
| New Hope Cultural Education Facilities Finance Corp., RB, Jubilee Academic Center Project, Series A ^(b) : 3.63%, 08/15/22 | 105 | 104,021 |
| 4.25%, 08/15/27 | 160 | 158,643 |
| Red River Education Financing Corp., RB, 5.00%, 03/15/33 | 1,340 | 1,475,152 |

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Texas (continued) | | |
| San Jacinto River Authority, RB, Special Project (AGM), 5.25%, 10/01/25 | \$ 2,910 | \$ 2,975,912 |
| Socorro Independent School District, GO, Refunding(PSF-GTD): | | |
| 5.00%, 08/15/20 ^(a) | 2,410 | 2,530,765 |
| 5.00%, 08/15/32 | 90 | 94,105 |
| Via Metropolitan Transit Authority, Refunding RB: | | |
| 5.25%, 08/01/28 | 1,585 | 1,785,613 |
| 5.25%, 08/01/29 | 1,720 | 1,935,361 |
| 5.25%, 08/01/33 | 3,000 | 3,374,250 |
| | | 62,028,238 |
| U.S. Virgin Islands 0.9% | | |
| Virgin Islands Public Finance Authority, Refunding RB, Series A (AGM), 5.25%, 10/01/24 | 5,000 | 5,424,200 |
| Utah 1.0% | | |
| Salt Lake City Corp. Airport Revenue, ARB, AMT, Series A, 5.00%, 07/01/33 | 3,500 | 4,023,565 |
| Utah Charter School Finance Authority, Refunding RB, Freedom Academy Foundation Project, 4.50%, 06/15/27 ^(b) | 1,500 | 1,480,395 |
| | | 5,503,960 |
| Vermont 1.0% | | |
| University of Vermont & State Agricultural College, Refunding RB, 4.00%, 10/01/30 | 5,565 | 5,903,074 |
| Washington 0.4% | | |
| Washington State Housing Finance Commission, Refunding RB ^(b) : | | |
| Horizon House Project, 5.00%, 01/01/28 | 750 | 829,313 |
| Horizone House Project, 5.00%, 01/01/27 | 1,460 | 1,619,680 |
| | | 2,448,993 |
| West Virginia 1.0% | | |
| West Virginia Hospital Finance Authority, Refunding RB, Charleston Area Medical Center, Inc., Series A, 5.13%, 09/01/23 | 4,000 | 4,059,960 |
| | <i>Par (000)</i> | <i>Value</i> |
| West Virginia (continued) | | |
| West Virginia University, RB, West Virginia University Project, Series B, 5.00%, 10/01/30 | \$ 1,500 | \$ 1,607,355 |
| | | 5,667,315 |
| Wisconsin 1.3% | | |
| Public Finance Authority, Refunding RB, AMT: | | |
| National Gypsum Co., 5.25%, 04/01/30 | 2,410 | 2,522,740 |
| Wisconsin Airport Facilities, Senior Obligated Group, Series B, 5.25%, 07/01/28 | 4,765 | 5,138,623 |

| | | |
|---|---------------|-------------|
| | | 7,661,363 |
| Total Municipal Bonds | 137.2% | |
| (Cost \$760,943,646) | | 791,569,635 |
| | | |
| Municipal Bonds Transferred to Tender Option Bond Trusts (g) | | |
| California 4.0% | | |
| Bay Area Toll Authority, Refunding RB, San Francisco Bay Area Subordinate, 4.00%, 04/01/31 ^{(b)(f)(h)} | 8,080 | 8,843,984 |
| State of California, GO, Refunding Water Utility Authority, 5.00%, 10/01/35 | 12,500 | 14,293,156 |
| | | 23,137,140 |
| | | |
| Iowa 1.3% | | |
| Iowa Finance Authority, Refunding RB, UnityPoint Health, Series C, 4.13%, 02/15/35 ^{(b)(f)} | 7,500 | 7,685,875 |
| | | |
| Massachusetts 3.4% | | |
| Massachusetts Development Finance Agency, Refunding RB, Partners Healthcare System: 5.00%, 07/01/32 | 7,500 | 8,702,400 |
| Series L, 5.00%, 07/01/31 | 10,175 | 10,889,982 |
| | | 19,592,382 |
| | | |
| Minnesota 1.9% | | |
| State of Minnesota, GO, State Various Purposes, Series A, 4.00%, 08/01/20 ^(a) | 10,525 | 10,869,013 |
| | | |
| New Jersey 1.6% | | |
| New Jersey Housing & Mortgage Finance Agency, Refunding RB, S/F, AMT, Series BB: 3.65%, 04/01/28 ^{(b)(f)} | 5,000 | 5,124,148 |

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|--|----------------------|--------------|
| New Jersey (continued) | | |
| 3.70%, 10/01/28 ^{(b)(f)} | \$ 3,875 | \$ 3,970,896 |
| | | 9,095,044 |
| New York 10.5% | | |
| City of New York, GO: | | |
| Sub-Series 1-I, 5.00%, 03/01/32 | 7,009 | 7,876,366 |
| Refunding Series E, 5.00%, 08/01/19 ^(a) | 1,018 | 1,034,075 |
| Refunding Series E, 5.00%, 08/01/27 | 2,489 | 2,529,980 |
| City of New York Transitional Finance Authority Future Tax Secured Revenue, RB, Future Tax Secured Subordinate Bonds, SubSeries B-1, 5.00%, 08/01/36 | 9,444 | 10,765,135 |
| Metropolitan Transportation Authority, RB, Sub-Series D-1, 5.00%, 11/15/39 | 4,980 | 5,430,192 |
| Metropolitan Transportation Authority, Refunding RB, Series B, 5.25%, 11/15/19 ^(a) | 4,001 | 4,114,423 |
| Port Authority of New York & New Jersey, Refunding ARB: | | |
| 178th Series, AMT, 5.00%, 12/01/32 | 4,009 | 4,447,076 |
| Consolidated, Series 169th, 5.00%, 10/15/26 | 5,530 | 5,928,298 |
| Sales Tax Asset Receivable Corp., Refunding RB, Fiscal 2015, Series A, 5.00%, 10/15/31 | 5,010 | 5,734,095 |
| State of New York Dormitory Authority, Refunding RB, Series A, 5.00%, 03/15/36 ^(h) | 5,505 | 6,271,131 |
| | <i>Par (000)</i> | <i>Value</i> |
| <i>Security</i> | | |
| New York (continued) | | |
| State of New York Urban Development Corp., RB, Personal Income Tax, Series A-1, 5.00%, 03/15/32 | \$ 5,501 | \$ 6,098,069 |
| | | 60,228,840 |
| Texas 1.5% | | |
| Pflugerville Independent School District, GO, (PSF-GTD), 5.00%, 02/15/24 ^(a) | 7,500 | 8,640,475 |
| Washington 2.9% | | |
| Port of Seattle Washington, ARB, AMT, Series A, 5.00%, 05/01/34 | 15,000 | 16,939,200 |
| Total Municipal Bonds Transferred to Tender Option Bond Trusts 27.1% (Cost \$152,453,049) | | 156,187,969 |
| Total Long-Term Investments 164.3% (Cost \$913,396,695) | | 947,757,604 |
| | <i>Shares</i> | |
| Short-Term Securities 0.4% | | |
| BlackRock Liquidity Funds, MuniCash, Institutional Class, 1.24% ^{(i)(j)} | 2,621,365 | 2,621,889 |

| | |
|--|----------------|
| Total Short-Term Securities 0.4% | |
| (Cost \$2,621,889) | 2,621,889 |
| Total Investments 164.7% | |
| (Cost \$916,018,584) | 950,379,493 |
| Other Assets Less Liabilities 1.4% | 7,607,492 |
| Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable (16.3)% | (94,020,655) |
| VMTP Shares at Liquidation Value (49.8)% | (287,100,000) |
| Net Assets Applicable to Common Shares 100.0% | \$ 576,866,330 |

- (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) Non-income producing security.
- (d) Issuer filed for bankruptcy and/or is in default.
- (e) Security is collateralized by municipal bonds or U.S. Treasury obligations.
- (f) Variable or floating rate security, which interest rate adjusts periodically based on changes in current interest rates and prepayments on the underlying pool of assets. Rate shown is the rate in effect as of period end.
- (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) All or a portion of security is subject to a recourse agreement. The aggregate maximum potential amount the Fund could ultimately be required to pay under the agreement, which expires between September 15, 2024 to April 1, 2025 is \$10,037,537.
- (i) Annualized 7-day yield as of period end.
- (j) During the period ended January 31, 2019, 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:

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

| <i>Affiliate</i> | <i>Shares Held at 04/30/18</i> | <i>Net Activity</i> | <i>Shares Held at 01/31/19</i> | <i>Value at 01/31/19</i> | <i>Income</i> | <i>Net Change in Realized/Unrealized Gain (Loss)/Appreciation (Depreciation)</i> | |
|--|--|-------------------------|--|------------------------------|---------------|--|----|
| | | | | | | | |
| BlackRock Liquidity Funds, MuniCash, Institutional Class | | 2,621,365 | 2,621,365 | \$ 2,621,889 | \$ 31,105 | \$ (138) | \$ |

(a) Includes net capital gain distributions, if applicable.

Portfolio Abbreviations

AGC Assured Guarantee Corp.

AGM Assured Guaranty Municipal Corp.

AMT Alternative Minimum Tax (subject to)

ARB Airport Revenue Bonds

BAM Build America Mutual Assurance Co.

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

LRB Lease Revenue Bonds

NPFGC National Public Finance Guarantee Corp.

PSF Permanent School Fund

RB Revenue Bonds

S/F Single-Family

Derivative Financial Instruments Outstanding as of Period End

Futures Contracts

| <i>Description</i> | <i>Number of Contracts</i> | <i>Expiration Date</i> | <i>Notional Amount(000)</i> | <i>Value/ Unrealized Appreciation (Depreciation)</i> |
|----------------------------|--------------------------------|----------------------------|---------------------------------|--|
| Short Contracts: | | | | |
| 10-Year U.S. Treasury Note | 245 | 03/20/19 | \$ 30,005 | \$ (676,473) |
| Long U.S. Treasury Bond | 75 | 03/20/19 | 11,002 | (555,151) |
| 5-Year U.S. Treasury Note | 103 | 03/29/19 | 11,831 | (202,656) |
| | | | | \$ (1,434,280) |

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

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 prices quotations in active markets/exchanges for identical assets or liabilities that 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 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 include equity or debt issued by privately held companies or funds. There may not be a secondary market, and/or there are a limited number of investors. 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, refer to the Fund's most recent financial statements as contained in its semi-annual report.

| <i>Level 1</i> | <i>Level 2</i> | <i>Level 3</i> | <i>Total</i> |
|----------------|----------------|----------------|--------------|
|----------------|----------------|----------------|--------------|

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Assets:

Investments:

| | | | | |
|--------------------------------------|----|----------------|----|----------------|
| Long-Term Investments ^(a) | \$ | \$ 947,757,604 | \$ | \$ 947,757,604 |
| Short-Term Securities | | 2,621,889 | | 2,621,889 |
| | \$ | 2,621,889 | \$ | 947,757,604 |
| | | | \$ | \$ 950,379,493 |

Derivative Financial Instruments^(b)

Liabilities:

| | | | | |
|-------------------------|----------------|----|----|----------------|
| Interest rate contracts | \$ (1,434,280) | \$ | \$ | \$ (1,434,280) |
|-------------------------|----------------|----|----|----------------|

^(a) See above Schedule of Investments for values in each state or political subdivision.

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

Schedule of Investments (unaudited) (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

January 31, 2019

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

| | <i>Level 1</i> | <i>Level 2</i> | <i>Level 3</i> | <i>Total</i> |
|----------------------------------|----------------|------------------|----------------|------------------|
| Liabilities: | | | | |
| TOB Trust Certificates | \$ | \$ (93,550,641) | \$ | \$ (93,550,641) |
| VMTP Shares at Liquidation Value | | (287,100,000) | | (287,100,000) |
| | \$ | \$ (380,650,641) | \$ | \$ (380,650,641) |

During the period ended January 31, 2019, there were no transfers between levels.

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

Date: March 22, 2019

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 Muni Intermediate Duration Fund, Inc.

Date: March 22, 2019

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

Date: March 22, 2019