BLACKROCK MUNIYIELD NEW JERSEY FUND, INC.

Form N-Q June 20, 2018

#### **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 811-06570

Name of Fund: BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

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

New Jersey Fund, Inc., 55 East 52<sup>nd</sup> Street, New York, NY 10055

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

Date of fiscal year end: 07/31/2018

Date of reporting period: 04/30/2018

Item 1 Schedule of Investments

Schedule of Investments (unaudited)	chedule of Investments (unaudited) BlackRock MuniYield New Jersey Fund, Inc. (MYJ)	
April 30, 2018	(Percentages shown are based on Net Assets)	
Convita	Par (000)	
Security Municipal Bonds 127.3%	(000)	Value
New Jersey 126.2%		
Corporate 11.0%	Add to D.C. P. DD Add to	
County of Salem New Jersey Pollution Control Financing City Electric, Series A, 4.88%, 06/01/29	_	\$ 4,742,647
New Jersey EDA, RB:	ų 1,550	ψ 1,7 1 <b>2</b> ,0 17
Continental Airlines, Inc. Project,		
Series A, AMT, 5.63%, 11/15/30	1,730	
Series B, AMT, 5.63%, 11/15/30 Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 07/	485 701/25 <sup>(a)</sup> 215	,
5.25%, 07/01/25	1,785	,
Provident Group-Kean Properties, Series A, 5.00%, 07/01	1/47 440	466,303
New Jersey EDA, Refunding RB:	1 220	1 276 257
Duke Farms Foundation Project, 4.00%, 07/01/46 New Jersey American Water Co., Inc. Project, Series A, A	1,330 AMT, 5.70%, 10/01/39 7,900	
Series B, AMT, 5.60%, 11/01/34	2,430	
Sub Series A, 5.00%, 07/01/33	1,050	
Sub Series A, 4.00%, 07/01/34	1,270	1,240,358
		24,516,330
County/City/Special District/School District 17.8%		_ ,, ,, ,
Casino Reinvestment Development Authority, Refunding		
5.25%, 11/01/39	2,280	
5.25%, 11/01/44 City of Bayonne New Jersey, GO, Refunding, Qualified O	5,600 General Improvement (BAM):	5,934,600
5.00%, 07/01/33	925	1,026,907
5.00%, 07/01/35	1,435	1,583,422
City of Margate New Jersey, GO, Refunding, Improveme		4 204 020
5.00%, 01/15/21	1,200 <i>Par</i>	1,291,920
Security	(000)	Value
County/City/Special District/School District (continue	· · · · · · · · · · · · · · · · · · ·	ranne
City of Margate New Jersey, GO, Refunding, Improveme		
5.00%, 01/15/21	\$ 845	\$ 909,727
City of Perth Amboy New Jersey, GO, CAB, Refunding (5.00%, 07/01/33	AGM), 755	756,057
County of Essex New Jersey Improvement Authority, RB		750,057
5.25%, 07/01/45 <sup>(b)</sup>	3,765	3,799,939
County of Essex New Jersey Improvement Authority, Re	funding RB, Project	
Consolidation (NPFGC):	2.700	2 227 002
5.50%, 10/01/28 5.50%, 10/01/29	2,700 5,085	3,337,983 6,339,317
5.50 %, 10/01/27	3,003	0,557,517

County of Hudson New Jersey Improvement Authority, RB, Harrison Parking		
Facility Project, Series C (AGC), 5.38%, 01/01/44	4,800	4,904,544
County of Mercer New Jersey Improvement Authority, RB, Courthouse Annex		
Project, 5.00%, 09/01/40	1,470	1,618,397
County of Middlesex New Jersey, COP, Refunding, Civic Square IV		
Redevelopment, 5.00%, 10/15/31	1,400	1,670,886
County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease,		
Family Court Building Project, 5.00%, 05/01/42	1,400	1,519,028
County of Union New Jersey Utilities Authority, Refunding RB, Resources		
Recovery Facility, Covanta Union, Inc., AMT, Series A, 5.25%, 12/01/31	670	732,236
Monroe Township Board of Education Middlesex County, GO, Refunding,		
5.00%, 03/01/38	1,625	1,785,339
		39,626,030
Education 22.2%		
County of Atlantic New Jersey Improvement Authority, RB, Stockton		
University Atlantic City, Series A (AGM), 4.00%, 07/01/46	600	610,020
New Jersey EDA, RB:		•
Hatikvah International Academy Charter School Project, Series A,		
5.00%, 07/01/27 <sup>(b)</sup>	215	219,584
2.22, 22	=10	=17,00.

Schedule of Investments (unaudited) (continued)

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

April 30, 2018

(Percentages shown are based on Net Assets)

	Par	<b>T</b> 7 1
Security  Edwardian (conditional)	(000)	Value
Education (continued)		
New Jersey EDA, RB (continued):		
Hatikvah International Academy Charter School Project, Series A,		
5.25%, 07/01/37 <sup>(b)</sup>	\$ 590	
5.38%, 07/01/47 <sup>(b)</sup>	1,020	1,020,286
MSU Student Housing Project Provide,		
5.75%, 06/01/20 <sup>(c)</sup>	1,000	1,076,450
5.88%, 06/01/20 <sup>(c)</sup>	1,500	1,618,485
School Facilities Construction (AGC), 5.50%, 12/15/18 <sup>(c)</sup>	1,295	1,324,435
5.50%, 12/15/34	25	25,532
Team Academy Charter School Project, 6.00%, 10/01/33	2,835	3,140,415
New Jersey EDA, Refunding RB <sup>(b)</sup> :		
Greater Brunswick Charter School, Inc. Project, Series A, 5.88%, 08/01/44	780	788,237
Greater Brunswick Charter School, Inc. Project, Series A, 6.00%, 08/01/49	555	560,977
Teaneck Community Charter School Project, Series A, 4.25%, 09/01/27	210	204,931
Teaneck Community Charter School Project, Series A,		
5.00%, 09/01/37	450	437,472
5.13%, 09/01/52	1,000	943,790
New Jersey Educational Facilities Authority, RB:		
Higher Educational Capital Improvement Fund, Series A, 5.00%, 09/01/32	2,500	2,647,075
Rider University Issue, Series F,		
4.00%, 07/01/42	1,155	1,078,470
5.00%, 07/01/47	820	867,511
New Jersey Educational Facilities Authority, Refunding RB:		•
College of New Jersey, Series D (AGM), 5.00%, 07/01/18 <sup>(c)</sup>	1,000	1,005,380
Kean University, Series A, 5.50%, 09/01/19 <sup>(c)</sup>	4,500	4,706,235
Montclair State University, Series A, 5.00%, 07/01/44	6,790	7,480,475
New Jersey Institute of Technology, Series H, 5.00%, 07/01/31	1,250	1,321,075
Ramapo College, Series B, 5.00%, 07/01/42	340	367,248
Rider University, Series A, 5.00%, 07/01/32	1,000	1,048,180
Rowan University, Series B (AGC), 5.00%, 07/01/18 <sup>(c)</sup>	1,800	1,809,684
Seton Hall University, Series D, 5.00%, 07/01/38	395	434,105
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Security	(000)	Value
Education (continued)	(000)	, citte
New Jersey Educational Facilities Authority, Refunding RB (continued):		
Stevens Institute of Technology, Series A, 5.00%, 07/01/42	\$ 540	\$ 598,099
Stevens Institute of Technology, Series A, 4.00%, 07/01/47	555	559,645
University of Medicine & Dentistry, Series B, 7.13%, 06/01/19 <sup>(c)</sup>	1,300	1,370,694
New Jersey Higher Education Student Assistance Authority, Refunding RB:	1,500	1,570,054
Series 1, AMT, 5.75%, 12/01/29	2,435	2,607,641
Series 1A, 5.00%, 12/01/25	555	576,273
Series 1A, 5.00%, 12/01/26	345	358,182
50100 111, 5.00 70, 12/01/20	575	330,102

Series 1A, 5.25%, 12/01/32	900	935,397
New Jersey Institute of Technology, RB, Series A:		
5.00%, 07/01/40	1,500	1,665,480
5.00%, 07/01/42	2,110	2,274,812
5.00%, 07/01/45	2,935	3,248,928
		49,521,156
Health 9.5%		
County of Camden New Jersey Improvement Authority, Refunding RB, 5.00%, 02/15/34	590	629,589
New Jersey Health Care Facilities Financing Authority, RB:		
Inspira Health Obligated Group, 5.00%, 07/01/42	1,105	1,223,887
Meridian Health System Obligated Group, Series I (AGC), 5.00%, 07/01/18 <sup>(c)</sup>	925	929,976
Robert Wood Johnson University Hospital, Series A, 5.50%, 07/01/43	1,420	1,593,652
Virtua Health, Series A (AGC), 5.50%, 07/01/38	2,500	2,598,625
New Jersey Health Care Facilities Financing Authority, Refunding RB:		
AHS Hospital Corp., 6.00%, 07/01/21 <sup>(c)</sup>	2,435	2,729,708
Princeton Healthcare System,		
5.00%, 07/01/34	860	949,595
5.00%, 07/01/39	1,445	1,575,194
Robert Wood Johnson University Hospital, 5.00%, 01/01/20(c)	1,000	1,047,990

Schedule of Investments (unaudited) (continued)

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

April 30, 2018

(Percentages shown are based on Net Assets)

Health (continued)   New Jersey Health Care Facilities Financing Authority, Refunding RB (continued):   RWJ Barnabas Health Obligated Group, Series A, 4,00%, 07/01/43   \$9,35   \$949,951     5,00%, 07/01/43   \$1,000   1,202,401     5,00%, 07/01/43   \$1,000   1,202,401     5,00%, 07/01/43   \$1,000   1,202,401     5,00%, 07/01/43   \$1,000   1,202,401     5,00%, 07/01/43   \$1,000   1,202,401     5,00%, 07/01/43   \$1,000   1,202,401     5,00%, 07/01/43   \$1,000   1,202,401     5,00%, 06/01/42   \$1,000   1,202,401     5,00%, 06/01/42   \$1,900   2,162,745     New Jersey EDA, Refunding RB, Provident Group-Montclair Properties LLC (AGM), 5,00%, 06/01/42   1,300   2,355,456     5,00%, 06/01/42   \$1,300   2,355,456     5/F Housing, Series CC, 5,00%, 10/01/34   1,300   2,355,456     5/F Housing, Series CC, 5,00%, 10/01/34   45,059     5,00%, 10/01/37   45   45,059     5,00%, 10/01/37   45   45,059     5,00%, 10/01/37   45   45,059     5,00%, 10/01/37   45   45,059     5,00%, 10/01/37   745   745,499     Newark Housing Authority, RB, South Ward Police Facility (AGC), 6,75%, 12/01/196   1,750   1,878,083     5,00%, 11/01/23   4,500   3,830     5,00%, 11/01/23   4,500   3,830     5,00%, 11/01/23   4,500   3,830     5,00%, 11/01/23   4,500   3,830     6,00%, 11/01/23   4,500   3,830     7,00%, 11/01/23   4,500   3,830     7,00%, 11/01/23   4,500   3,830     7,00%, 11/01/23   4,500   3,830     7,00%, 11/01/23   4,500   3,830     7,00%, 11/01/23   4,500   3,830     7,00%, 11/01/23   4,500   3,830     7,00%, 11/01/23   4,500   3,830     7,00%, 11/01/23   4,500   3,830     7,00%, 11/01/23   4,500   3,830     7,00%, 11/01/25   4,500   3,830     7,00%, 11/01/26   4,500   3,830     7,00%, 11/01/27   4,500   3,830     7,00%, 11/01/28   4,500   3,830     7,00%, 11/01/28   4,500   3,830     7,00%, 11/01/28   4,500   3,830     7,00%, 11/01/29   4,500   3,830     7,00%, 11/01/29   4,500   3,830     7,00%, 11/01/29   4,500   3,830     7,00%, 11/01/29   4,500   3,830     7,00%, 11/01/29   4,500   3,830     7,00%, 11/01/29   4,500   3,830	Security Health (continued)	Par (000)	Value
4.00%, 0.701/43   2.160   2.373.751   5.00%, 0.7701/43   2.160   2.373.751   5.00%, 0.7701/43   2.160   2.373.751   5.00%, 0.7701/43   2.100   2.373.751   5.00%, 0.7701/43   2.100   2.373.751   5.00%, 0.601/142   2.00%, 0.7701/21(c)   3.030   3.342.453   2.145.755   2.146.775   2.146.775   2.146.775   2.146.775   2.146.775   2.162.745   2.00%, 0.601/142   2.00%, 0.601/142   2.00%, 0.601/142   2.00%, 0.601/142   2.00%, 0.601/142   2.00%, 0.6001/142   2.00%, 0.6			
5.00%, 07/01/43         2,160         2,373,754           St. Barnabas Health Care System, Series A, 5.63%, 07/01/21(c)         1,090         1,202,401           St. Barnabas Health Care System, Series A, 5.63%, 07/01/21(c)         3,030         3,342,453           Housing 3.9%           New Jersey EDA, Refunding RB, Provident Group-Montelair Properties LLC (AGM), 5,00%, 06/01/42         1,970         2,162,745           New Jersey Housing & Mortgage Finance Agency, RB:         2,305         2,355,456           NF Housing, Series A, 4.75%, 11/01/29         2,305         2,355,456           NF Housing, Series U, AMT,         3         3,5045           4.95%, 10/01/32         45         45,059           5.00%, 10/01/37         3         35,045           New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4,25%, 11/01/23         745         745,499           New Jersey Housing Authority, RB, South Ward Police Facility (AGC), 6.75%, 12/01/19(c)         1,750         1,878,083           State 8.5%           Garden State Preservation Trust, RB, CAB, Series B (AGM)(d)         1,240,883         3,186,808           New Jersey EDA, Refunding RB         4,540         3,186,808           New Jersey EDA, Refunding RB         2         768,190           Cigarette Tax, 5.00%, 06/15/26			
St. Barnabas Health Care System, Series A, 5.63%, 07/01/21(c)         1,000         1,202,401           St. Barnabas Health Care System, Series A, 5.63%, 07/01/21(c)         3,030         3,342,453           Housing 3.9%         In 1,970         2,162,745           New Jersey EDA, Refunding RB, Provident Group-Montclair Properties LLC (AGM), 5,00%, 06/01/42         1,970         2,162,745           New Jersey Housing & Mortgage Finance Agency, RB:         WIF Housing, Series A, 4.75%, 11/01/29         2,305         2,355,456           S/F Housing, Series U, AMT,         4         4,509         1,001/32         45         4,509           5,00%, 10/01/32         4         4,509         1,001/37         3         3,50,456           New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4,25%, 10/01/32         1,750         1,878,093           New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4,25%, 10/01/39         1,750         1,878,093           New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4,25%, 10/01/39         1,750         1,878,093           New Jersey B, School Facilities Construction, Series B (AGM)(d)         1,000,001,100         1,750         1,878,093           State 8.5% <tr< td=""><td></td><td></td><td></td></tr<>			
St. Barnabas Health Care System, Series A, 5.63%, 07/01/21 <sup>(c)</sup> 3,030         3,342,453           Housing 3.9%         1,970         2,162,745           New Jersey EDA, Refunding RB, Provident Group-Montclair Properties LLC (AGM), 5,00%, 06/01/42         1,970         2,162,745           New Jersey Housing & Mortgage Finance Agency, RB:         3,030         2,355,456           MF Housing, Series A, 4,75%, 11/01/29         2,305         2,355,456           S/F Housing, Series CC, 5,00%, 10/01/34         3,500         3,500         3,504         3,505           S/F Housing, Series U, AMT,         4,95%, 10/01/32         4,5         4,505         5,500%, 10/01/37         4,5         4,505         5,500%, 10/01/37         4,5         745,409         8,613,832           New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4,25%, 11/01/197         745,409         8,613,832         8,61			
New Jersey EDA, Refunding RB, Provident Group-Montclair Properties LLC (AGM), 5,00%, 06/01/42   1,970   2,162,745   1,970   2,162,745   1,970   2,162,745   1,970   2,162,745   1,970   2,162,745   1,970   2,162,745   1,970   1,970   2,355,456   1,970   1,970   2,355,456   1,970   1,970   2,355,456   1,970	· · · · · · · · · · · · · · · · · · ·	•	
New Jersey EDA, Refunding RB, Provident Group-Montclair Properties LLC (AGM), 1970   2,162,745   5.00%, 06/01/42   1,970   2,162,745   7.00%, 06/01/42   1,970   2,162,745   7.00%, 06/01/42   1,970   2,162,745   7.00%, 06/01/42   1,970   2,305   2,355,456   3.75   7.50%, 10/01/32   1,365   1,391,945   3.50%, 10/01/32   45   45,059   3.50%, 10/01/32   45   45,059   3.50%, 10/01/37   35   35,045   3.50%, 10/01/37   35   3.50,456   3.50%, 10/01/37   35   3.50,456   3.50%, 10/01/37   35   3.50,456   3.50%, 10/01/37   35   3.50,456   3.50%, 10/01/37   35   3.50,456   3.50%, 10/01/37   36   3.50,456   3.50%, 10/01/37   36   3.50,456   3.50%, 10/01/37   36   3.50,456   3.50%, 10/01/37   36   3.50,456   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/38   36   3.50%, 10/01/39   36   36   36   36   36   36   36	St. Barnabas Health Care System, Series A, 5.65%, 07/01/21(5)	3,030	3,342,433
New Jersey EDA, Refunding RB, Provident Group-Montclair Properties LLC (AGM), 1970   2,162,745   5.00%, 06/01/42   1,970   2,162,745   7.00%, 06/01/42   1,970   2,162,745   7.00%, 06/01/42   1,970   2,162,745   7.00%, 06/01/42   1,970   2,305   2,355,456   3.75   7.50%, 10/01/32   1,365   1,391,945   3.50%, 10/01/32   45   45,059   3.50%, 10/01/32   45   45,059   3.50%, 10/01/37   35   35,045   3.50%, 10/01/37   35   3.50,456   3.50%, 10/01/37   35   3.50,456   3.50%, 10/01/37   35   3.50,456   3.50%, 10/01/37   35   3.50,456   3.50%, 10/01/37   35   3.50,456   3.50%, 10/01/37   36   3.50,456   3.50%, 10/01/37   36   3.50,456   3.50%, 10/01/37   36   3.50,456   3.50%, 10/01/37   36   3.50,456   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/37   36   3.50%, 10/01/38   36   3.50%, 10/01/39   36   36   36   36   36   36   36			21,146,775
5.00%, 06/01/42       1,970       2,162,745         New Jersey Housing & Mortgage Finance Agency, RB:       2,305       2,355,456         M/F Housing, Series A, 4,75%, 11/01/29       2,305       2,355,456         S/F Housing, Series CC, 5.00%, 10/01/34       1,365       1,391,945         S/F Housing, Series U, AMT,       45       45,059         4,95%, 10/01/32       45       45,059         5,00%, 10/01/37       745       745,499         New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4.25%,       11/101/37       745       745,499         Newark Housing Authority, RB, South Ward Police Facility (AGC), 6.75%, 12/01/19(c)       1,750       1,878,083         State       8.5%       8       8.613,832         State       8.5%       8       4,340       1,240,883         0.00%, 11/01/23       1,460       1,240,883       1,240,883       1,160       1,240,883         0.00%, 11/01/28       1,460       1,240,883       1,160       1,159,369       1,159,369         New Jersey EDA, Refunding RB:       4,540       3,186,808       1,160       1,240,883       1,160       1,240,883       1,160       1,240,883       1,009,411       1,160       1,240,883       1,009,411       1,160       1,240,883	Housing 3.9%		, ,
New Jersey Housing & Mortgage Finance Agency, RB:         2,305         2,355,456           MF Housing, Series A, 4,75%, 11/01/29         2,305         1,391,945           S/F Housing, Series CC, 5,00%, 10/01/34         1,365         1,391,945           S/F Housing, Series U, AMT,         45         45,059           4,95%, 10/01/32         45         45,059           5,00%, 10/01/37         745         745,499           New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4.25%         745,499           11/01/37         745         745,499           Newark Housing Authority, RB, South Ward Police Facility (AGC), 6.75%, 12/01/19(c)         1,750         1,878,083           State 8.5%         8         8         8,613,832           Garden State Preservation Trust, RB, CAB, Series B (AGM)(d):         1,460         1,240,883         4,00%, 11/01/23         1,460         3,186,808         1,868,808         1,869,808         1,869,808         1,869,808         1,159,369         1,879,808         1,869,808         1,159,369         1,159,369         1,879,808         1,869,808         1,879,808         1,869,808         1,159,369         1,879,808         1,869,808         1,879,808         1,869,808         1,879,808         1,879,808         1,879,808         1,879,808         1,879,808	New Jersey EDA, Refunding RB, Provident Group-Montclair Properties LLC (AGM),		
M/F Housing, Series A, 4.75%, 11/01/29       2,305       2,355,456         S/F Housing, Series CC, 5.00%, 10/01/34       1,365       1,391,945         S/F Housing, Series U, AMT,       45       45,059         4,95%, 10/01/37       35       35,045         New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4.25%, 11/01/37       745       745,499         Newark Housing Authority, RB, South Ward Police Facility (AGC), 6.75%, 12/01/19(c)       1,750       1,878,083         State 8.5%         Garden State Preservation Trust, RB, CAB, Series B (AGM)(d)       1,460       1,240,883         0.00%, 11/01/23       1,460       1,240,883         0.00%, 11/01/28       1,460       1,240,883         0.00%, 11/01/28       4,540       3,186,808         New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       2       768,190       2       768,190         Cigarette Tax, 5.00%, 06/15/26       40       471,029       2       768,190       2       1,874,998       2         Security       (000)       Value		1,970	2,162,745
S/F Housing, Series CC, 5.00%, 10/01/34       1,364       1,391,945         S/F Housing, Series U, AMT,       4       45,059         4.95%, 10/01/32       35       35,045         5.00%, 10/01/37       35       35,045         New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4.25%, 11/01/37       745       745,499         Newark Housing Authority, RB, South Ward Police Facility (AGC), 6.75%, 12/01/19c)       1,750       1,878,083         State 8.5%         Garden State Preservation Trust, RB, CAB, Series B (AGM)(d):       1,460       1,240,883         0.00%, 11/01/23       1,460       1,240,883         0.00%, 11/01/28       4,540       3,186,808         New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       44       471,029         Cigarette Tax, 5.00%, 06/15/26       44       471,029         Cigarette Tax, 5.00%, 06/15/29       1,66       1,874,998         Security       (000       Value         State (continued)       1       1,76       1,874,998         School Facilities Construction, 5.25%, 06/15/19(c)       \$ 26       5,274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19(c)       \$ 26 <td></td> <td>2 20 7</td> <td></td>		2 20 7	
S/F Housing, Series U, AMT,         4.95%, 10/01/32       45, 45,059         5.00%, 10/01/37       35, 35,045         New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4.25%, 11/01/37       745, 499         Newark Housing Authority, RB, South Ward Police Facility (AGC), 6.75%, 12/01/19 <sup>(c)</sup> 1,750       1,878,083         State 8.5%         Garden State Preservation Trust, RB, CAB, Series B (AGM) <sup>(d)</sup> :       4,640       1,240,883         0.00%, 11/01/23       1,460       1,240,883         0.00%, 11/01/28       4,540       3,186,808         New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       440       471,029         Cigarette Tax, 5.00%, 06/15/26       440       471,029         Cigarette Tax, 5.00%, 06/15/29       1,66       1,874,998         Cigarette Tax, 5.00%, 06/15/29       1,76       1,874,998         Execurity       600       Value         New Jersey EDA, Refunding RB (continued):       2       2         School Facilities Construction, 5.25%, 06/15/19 <sup>(c)</sup> \$265       \$274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19 <sup>(c)</sup> 2,005       2,005       2,005			
4.95%, 10/01/32       45,059         5.00%, 10/01/37       35       35,045         New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4.25%, 11/01/37       745       745,499         Newark Housing Authority, RB, South Ward Police Facility (AGC), 6.75%, 12/01/19(e)       1,750       1,878,083         State 8.5%       8.5%       8.5%       8.5%       8.5%         Garden State Preservation Trust, RB, CAB, Series B (AGM)(d):       1,460       1,240,883         0.00%, 11/01/28       4,540       3,186,808         New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       440       471,029         Cigarette Tax, 5.00%, 06/15/28       720       768,190         Cigarette Tax, 5.00%, 06/15/28       720       768,190         Cigarette Tax, 5.00%, 06/15/29       1,760       1,874,998         Escurity       600       Value         State (continued)       8       274,900         School Facilities Construction, 5.25%, 06/15/19(e)       \$265       \$274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19(e)       70       72,615         5.50%, 06/15/19(e)       905       1,027,387         5.50%, 06/15/19(e) <t< td=""><td></td><td>1,365</td><td>1,391,945</td></t<>		1,365	1,391,945
5.00%, 10/01/37       35,045         New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4.25%, 11/01/37       745,499         Newark Housing Authority, RB, South Ward Police Facility (AGC), 6.75%, 12/01/19 <sup>(c)</sup> 1,750       1,878,083         State 8.5%         Garden State Preservation Trust, RB, CAB, Series B (AGM) <sup>(d)</sup> :       \$613,832         State 9.5%         Garden State Preservation Trust, RB, CAB, Series B (AGM) <sup>(d)</sup> :       1,460       1,240,883         0.00%, 11/01/28       1,460       1,240,883         0.00% Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       2       768,190         Cigarette Tax, 5.00%, 06/15/26       440       471,029         Cigarette Tax, 5.00%, 06/15/29       1,760       1,874,998         Security       (000)       Value         Security       (000)       Value         State (continued)         School Facilities Construction, 5.25%, 06/15/19 <sup>(c)</sup> 265       274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19 <sup>(c)</sup> 70       72,615         5.50%, 06/15/19 <sup>(c)</sup> 2,005       2,085,441       2,50%,614	· · · · · · · · · · · · · · · · · · ·	15	45.050
New Jersey Housing & Mortgage Finance Agency, Refunding RB, Series D, AMT, 4.25%,         745,499           11/01/37         745         745,499           Newark Housing Authority, RB, South Ward Police Facility (AGC), 6.75%, 12/01/19 <sup>(c)</sup> 1,750         1,878,083           State 8.5%         State Preservation Trust, RB, CAB, Series B (AGM) <sup>(d)</sup> :         1,460         1,240,883           0.00%, 11/01/23         1,460         1,240,883           0.00%, 11/01/28         4,540         3,186,808           New Jersey EDA, Refunding RB:         2           Cigarette Tax, 5.00%, 06/15/26         440         471,029           Cigarette Tax, 5.00%, 06/15/28         720         768,190           Cigarette Tax, 5.00%, 06/15/29         1,760         1,874,998           Security         (000)         Value           State (continued)           New Jersey EDA, Refunding RB (continued):         2           School Facilities Construction, 5.25%, 06/15/19 <sup>(c)</sup> \$265         \$274,900           School Facilities Construction, Series AA, 5.25%, 06/15/19 <sup>(c)</sup> 2,005         2,085,441           5.50%, 06/15/19 <sup>(c)</sup> 2,005         2,085,441           5.50%, 12/15/29         2,005         2,085,441           5.25%, 12/15/33 <td></td> <td></td> <td>•</td>			•
11/01/37		33	33,043
8,613,832           State 8.5%           Garden State Preservation Trust, RB, CAB, Series B (AGM) <sup>(d)</sup> :         1,460         1,240,883           0.00%, 11/01/28         4,540         3,186,808           New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31         1,125         1,159,369           New Jersey EDA, Refunding RB:         2         1,159,369           Cigarette Tax, 5.00%, 06/15/26         440         471,029           Cigarette Tax, 5.00%, 06/15/28         720         768,190           Cigarette Tax, 5.00%, 06/15/29         1,760         1,874,998           Security         (000)         Value           State (continued)         Value           New Jersey EDA, Refunding RB (continued):         \$265         \$274,900           School Facilities Construction, 5.25%, 06/15/19 <sup>(c)</sup> \$265         \$274,900           School Facilities Construction, Series AA, 5.25%, 06/15/19 <sup>(c)</sup> 70         72,615           5.50%, 06/15/19 <sup>(c)</sup> 2,005         2,085,441           5.50%, 12/15/29         995         1,027,387           5.25%, 12/15/33         665         684,152           Series GG, 5.25%, 09/01/27         3,000         3,150,900		745	745,499
State 8.5%         Garden State Preservation Trust, RB, CAB, Series B (AGM) <sup>(d)</sup> :       1,460       1,240,883         0.00%, 11/01/23       1,460       3,186,808         New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       440       471,029         Cigarette Tax, 5.00%, 06/15/26       440       471,029         Cigarette Tax, 5.00%, 06/15/28       720       768,190         Cigarette Tax, 5.00%, 06/15/29       1,760       1,874,998         Security       (000)       Value         Security       (000)       Value         Security       (000)       Value         State (continued)         Security       (000)       Value         State (continued)         School Facilities Construction, 5.25%, 06/15/19(c)       \$ 265       \$ 274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19(c)       \$ 265       \$ 274,900         5.50%, 06/15/19(c)       \$ 2,005       2,005,441         5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Scries GG, 5.25%, 09/01/27       3,000 <td></td> <td></td> <td>*</td>			*
State 8.5%         Garden State Preservation Trust, RB, CAB, Series B (AGM) <sup>(d)</sup> :       1,460       1,240,883         0.00%, 11/01/23       1,460       3,186,808         New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       440       471,029         Cigarette Tax, 5.00%, 06/15/26       440       471,029         Cigarette Tax, 5.00%, 06/15/28       720       768,190         Cigarette Tax, 5.00%, 06/15/29       1,760       1,874,998         Security       (000)       Value         Security       (000)       Value         Security       (200)       Value         State (continued)         Security       (200)       Value         State (continued)         School Facilities Construction, 5.25%, 06/15/19 <sup>(c)</sup> \$ 265       \$ 274,900         School Facilities Construction, 5.25%, 06/15/19 <sup>(c)</sup> \$ 2,005       2,085,441         5.50%, 06/15/19 <sup>(c)</sup> 2,005       2,085,441         5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Scries GG, 5.25%, 09/01/27       3,00			
Garden State Preservation Trust, RB, CAB, Series B (AGM)(d):         0.00%, 11/01/23       1,460       1,240,883         0.00%, 11/01/28       4,540       3,186,808         New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       ************************************			8,613,832
0.00%, 11/01/23       1,460       1,240,883         0.00%, 11/01/28       4,540       3,186,808         New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       ************************************			
0.00%, 11/01/28       4,540       3,186,808         New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       Cigarette Tax, 5.00%, 06/15/26       440       471,029         Cigarette Tax, 5.00%, 06/15/28       720       768,190         Cigarette Tax, 5.00%, 06/15/29       1,760       1,874,998         Security       (000)       Value         Setate (continued)         New Jersey EDA, Refunding RB (continued):         School Facilities Construction, 5.25%, 06/15/19(c)       \$ 265       \$ 274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19(c)       70       72,615         5.50%, 06/15/19(c)       2,005       2,085,441         5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Series GG, 5.25%, 09/01/27       3,000       3,150,900		1 460	1 240 992
New Jersey EDA, RB, School Facilities Construction, Series CC-2, 5.00%, 12/15/31       1,125       1,159,369         New Jersey EDA, Refunding RB:       3       1,129       1,159,369         Cigarette Tax, 5.00%, 06/15/26       440       471,029         Cigarette Tax, 5.00%, 06/15/28       720       768,190         Cigarette Tax, 5.00%, 06/15/29       1,760       1,874,998         Par         Security       (000)       Value         State (continued)         Sex Jersey EDA, Refunding RB (continued):         School Facilities Construction, 5.25%, 06/15/19(c)       \$ 265       \$ 274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19(c)       70       72,615         5.50%, 06/15/19(c)       2,005       2,085,441         5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Series GG, 5.25%, 09/01/27       3,000       3,150,900		•	
New Jersey EDA, Refunding RB:       Cigarette Tax, 5.00%, 06/15/26       440       471,029         Cigarette Tax, 5.00%, 06/15/28       720       768,190         Cigarette Tax, 5.00%, 06/15/29       1,760       1,874,998         Par         Security       (000)       Value         State (continued)         New Jersey EDA, Refunding RB (continued):         School Facilities Construction, 5.25%, 06/15/19(c)       \$ 265       \$ 274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19(c)       70       72,615         5.50%, 06/15/19(c)       2,005       2,085,441         5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Series GG, 5.25%, 09/01/27       3,000       3,150,900	·	•	
Cigarette Tax, $5.00\%$ , $06/15/26$ 440 $471,029$ Cigarette Tax, $5.00\%$ , $06/15/28$ 720 $768,190$ Cigarette Tax, $5.00\%$ , $06/15/29$ $1,760$ $1,874,998$ Security       (000)       Value         State (continued)         New Jersey EDA, Refunding RB (continued):       Test of the construction of the		1,123	1,137,307
Cigarette Tax, $5.00\%$ , $06/15/28$ 720       768,190         Cigarette Tax, $5.00\%$ , $06/15/29$ 1,760       1,874,998         Security       (000)       Value         State (continued)         New Jersey EDA, Refunding RB (continued):       5.265       274,900         School Facilities Construction, $5.25\%$ , $06/15/19^{(c)}$ 70       72,615         5.50%, $06/15/19^{(c)}$ 2,005       2,085,441         5.50%, $12/15/29$ 995       1,027,387         5.25%, $12/15/33$ 665       684,152         Series GG, $5.25\%$ , $09/01/27$ 3,000       3,150,900	·	440	471,029
Security         Par (000)         Value           State (continued)         Value           New Jersey EDA, Refunding RB (continued):         5.50%, Refunding RB (continued):         5.50%, 265         \$ 274,900           School Facilities Construction, Series AA, 5.25%, 06/15/19(c)         70         72,615           5.50%, 06/15/19(c)         2,005         2,085,441           5.50%, 12/15/29         995         1,027,387           5.25%, 12/15/33         665         684,152           Series GG, 5.25%, 09/01/27         3,000         3,150,900		720	*
Security(000)ValueState (continued)TestNew Jersey EDA, Refunding RB (continued):TestSchool Facilities Construction, 5.25%, 06/15/19(c)\$ 265\$ 274,900School Facilities Construction, Series AA, 5.25%, 06/15/19(c)7072,6155.50%, 06/15/19(c)2,0052,085,4415.50%, 12/15/299951,027,3875.25%, 12/15/33665684,152Series GG, 5.25%, 09/01/273,0003,150,900	Cigarette Tax, 5.00%, 06/15/29	1,760	1,874,998
State (continued)         New Jersey EDA, Refunding RB (continued):         School Facilities Construction, 5.25%, 06/15/19(c)       \$ 265       \$ 274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19(c)       70       72,615         5.50%, 06/15/19(c)       2,005       2,085,441         5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Series GG, 5.25%, 09/01/27       3,000       3,150,900			
New Jersey EDA, Refunding RB (continued):       School Facilities Construction, 5.25%, 06/15/19 <sup>(c)</sup> \$ 265       \$ 274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19 <sup>(c)</sup> 70       72,615         5.50%, 06/15/19 <sup>(c)</sup> 2,005       2,085,441         5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Series GG, 5.25%, 09/01/27       3,000       3,150,900	·	(000)	Value
School Facilities Construction, 5.25%, 06/15/19(c)       \$ 265       \$ 274,900         School Facilities Construction, Series AA, 5.25%, 06/15/19(c)       70       72,615         5.50%, 06/15/19(c)       2,005       2,085,441         5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Series GG, 5.25%, 09/01/27       3,000       3,150,900			
School Facilities Construction, Series AA, 5.25%, 06/15/19(c)       70       72,615         5.50%, 06/15/19(c)       2,005       2,085,441         5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Series GG, 5.25%, 09/01/27       3,000       3,150,900		Φ 265	¢ 274.000
5.50%, 06/15/19(c)       2,005       2,085,441         5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Series GG, 5.25%, 09/01/27       3,000       3,150,900			•
5.50%, 12/15/29       995       1,027,387         5.25%, 12/15/33       665       684,152         Series GG, 5.25%, 09/01/27       3,000       3,150,900			
5.25%, 12/15/33       665       684,152         Series GG, 5.25%, 09/01/27       3,000       3,150,900			
Series GG, 5.25%, 09/01/27 3,000 3,150,900			
1,700 1,010,100		1,785	1,810,168

New Jersey Health Care Facilities Financing Authority, RB, Hospital Asset Transformation Program, Series A, 5.25%, 10/01/18 <sup>(c)</sup>		
State of New Jersey, COP, Equipment Lease Purchase, Series A, 5.25%, 06/15/19 <sup>(c)</sup>	1,100	1,140,480
Tobacco 4.0%		18,947,320
Tobacco Settlement Financing Corp., Refunding RB:		
Series A, 5.25%, 06/01/46	760	844,079
Sub-Series B, 5.00%, 06/01/46	7,605	7,979,318
240 24145 2, 2100 /d, 00/01/ 10	,,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		8,823,397
Transportation 47.6%		, ,
Delaware River Port Authority of Pennsylvania & New Jersey, RB:		
5.00%, 01/01/40	2,620	2,851,084
Series D, 5.00%, 01/01/40	1,535	1,601,205
New Jersey EDA, RB, Goethals Bridge Replacement Project, AMT, Private Activity Bond:		
5.38%, 01/01/43	9,420	10,264,315
(AGM), 5.00%, 01/01/31	1,000	1,103,430
New Jersey State Turnpike Authority, RB:		
Series A, 5.00%, 07/01/22 <sup>(c)</sup>	385	427,820
Series A, 5.00%, 07/01/22 <sup>(c)</sup>	10,750	11,968,297
Series A, 5.00%, 01/01/35	625	709,512
Series E, 5.25%, 01/01/19 <sup>(c)</sup>	2,525	2,581,484
New Jersey State Turnpike Authority, Refunding RB:		
Series A, 5.00%, 01/01/22 <sup>(c)</sup>	1,000	1,099,500
Series E, 5.00%, 01/01/32	150	174,180

Schedule of Investments (unaudited) (continued)

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

April 30, 2018

(Percentages shown are based on Net Assets)

	Par	
Security	(000)	Value
Transportation (continued)	, ,	
New Jersey State Turnpike Authority, Refunding RB (continued):		
Series G, 4.00%, 01/01/43	\$ 1,355	\$1,391,057
New Jersey Transportation Trust Fund Authority, RB:		
CAB, Transportation System, Series C (AMBAC),		
0.00%, 12/15/35 <sup>(d)</sup>	4,140	1,798,002
Federal Highway Reimbursement Revenue Notes, Series A, 5.00%, 06/15/30	1,250	1,365,775
Series A-2, 5.00%, 06/15/30	6,570	6,589,841
Series AA, 5.00%, 06/15/38	5,935	6,204,924
Transportation Program, Series AA, 5.25%, 06/15/41	2,960	3,153,170
Transportation System, 6.00%, 12/15/38	1,950	1,995,162
Series A, 6.00%, 06/15/35	6,030	6,574,027
5.88%, 12/15/38	3,650	3,723,985
Series A, 5.50%, 06/15/41	5,500	5,737,765
Series A (AGC), 5.63%, 12/15/28	1,250	1,278,662
5.50%, 12/15/38	1,000	1,021,980
Series AA, 5.50%, 06/15/39	5,520	5,896,961
New Jersey Turnpike Authority, Refunding RB, Series B, 5.00%, 01/01/40	4,000	4,533,800
Port Authority of New York & New Jersey, ARB:	7,000	4,555,000
Consolidated, 169th Series, 5.00%, 10/15/41	250	266,788
Consolidated, 93rd Series, 6.13%, 06/01/94	5,000	5,941,900
JFK International Air Terminal, Series 8, 6.00%, 12/01/42	2,700	2,952,396
Port Authority of New York & New Jersey, Refunding ARB, Consolidated:	2,700	2,932,390
152nd Series, AMT, 5.75%, 11/01/30	2,300	2,300,000
13211d Series, AW11, 3.73%, 11/01/30	2,300 Par	2,300,000
Converte		Value
Security Transportation (continued)	(000)	Value
Transportation (continued)		
Port Authority of New York & New Jersey, Refunding ARB, Consolidated (continued):	¢ 240 ¢	240,000
152nd Series, AMT, 5.25%, 11/01/35	\$ 240 \$	*
166th Series, 5.25%, 07/15/36	4,000	4,313,920
172nd Series, AMT, 5.00%, 10/01/34	1,500	1,629,030
206th Series, AMT,	1 105	1 22 4 122
5.00%, 11/15/42	1,195	1,334,122
5.00%, 11/15/47	1,335	1,484,707
South Jersey Port Corp., Refunding ARB, Marine Terminal, Series B, AMT,	4.505	4 606 0
5.00%, 01/01/48	1,585	1,686,075
		4064040=6
Your 4 me		106,194,876
Utilities 1.7%		0.000
Rahway Valley Sewerage Authority, RB, CAB, Series A (NPFGC), 0.00%, 09/01/31 <sup>(d)</sup>	6,000	3,763,320
<b>Total Municipal Bonds in New Jersey</b>		281,153,036