BLACKROCK MUNIYIELD NEW JERSEY FUND, INC. Form N-Q December 22, 2015

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 52nd Street, New York, NY 10055

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

Date of fiscal year end: 07/31/2016

Date of reporting period: 10/31/2015

Item 1 Schedule of Investments

Schedule of Investments October 31, 2015 (Unaudited)

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

(Percentages shown are based on Net Assets)

Municipal Bonds (000) Value New Jersey 129.3%		Par	
New Jersey 129.3% Construct 10.8% Construct 10.8% Series A, 488%, 601/29 \$ 4,550 \$ 5,022,836 Middlesex County Improvement Authority, RB, Senior Heldrich Center Hotel, Series A, 500%, 1/01/20 655 590,318 New Jersey EDA, RB, Continental Aithines, Inc. Project, AMT: 5 Series A, 563%, 11/1530 1,730 1.920,646 Series A, 563%, 11/1570 488 538,447 New Jersey EDA, Refunding RB: New Jersey American Water Co., Inc. Project, Series A, AMT, 570%, 1001/39 7,900 8.955,914 New Jersey American Water Co., Inc. Project, Series A, AMT, 570%, 1001/39 4,800 4,845,780 Country/City/Special District/School District 20.1% 24,616,084 24,616,084 Casino Reinvestment Development Authority, Refunding (AGM), 500%, 7101/33 845 937,840 City of Margate New Jersey, GO, Refunding, Improvement: 1,200 1,341,612 Staff, 11/11/24 2,200 3,480,225 2,000 Country City/Special District/School District continued Authority, Refunding RB, Project Consolidation (NPFGC): 3,440,225 3,440,225 Country City/Special District/School Distriet continued Authorit	Municipal Bands	(000)	Valuo
Carparté 10.8% County of Salem New Jersey Pollution Control Financing Authority, Refunding RB, Atlantic City Electric, Series A. 488%, 601/29 Series B. 563%, 101/370 Series B. 563%, 101/32 Series B. Calmandar B. Series A. AMT, 570%, 100/179 New Jersey American Water Co., Inc. Project, Series B, AMT, 570%, 100/179 New Jersey American Water Co., Inc. Project, Series B, AMT, 570%, 100/179 New Jersey American Water Co., Inc. Project, Series B, AMT, 570%, 100/179 New Jersey American Water Co., Inc. Project, Series B, AMT, 570%, 100/174 Series B (AMBAC), 4.50%, 110/125 Series B (AMBAC), 4.50%, 110		(000)	Value
Comity of Salem New Jersey Pollution Control Financing Authority, Refunding RB, Atlantic City Electric, Series A, 58%, 601/29 S 4,520 S 5,022,836 Middleser County Improvement Authority, RB, Senior Heldrich Center Hotel, Series A, 5.09%, 1/01/20 655 S 599,318 New Jersey Rok, RB, Continential Airlines, Inc. Project, AMT. Series A, 5.03%, 11/1570 485 S38,447 Series B, 5.03%, 11/1570 884 S538,447 Series B, 5.03%, 11/01/24 L, 2.430 2, 733,143 United Water Of New Jersey, Inc. Project, Series B, AMT, 5.00%, 11/01/24 2,430 2,733,143 United Water Of New Jersey, Inc. Project, Series B, AMT, 5.60%, 11/01/24 4,500 4,845,780 24,616,084 Series B, Caller D, Sanger			
Serie A., 488%, 601/29 \$ 5,022,836 Middlexc County Improvement Authority, RB, Senior Heldrich Center Hotel, Series A, 5,0%, 1/01/20 655 599,318 New Jersey EDA, RB, Continental Airlines, Inc. 1,730 1,920,646 Series A, 5,63%, 11/1570 1,730 1,920,646 Series B, 5,63%, 11/1570 1,730 1,920,646 New Jersey EDA, RB, Continental Airlines, Inc. 7900 8,955,914 New Jersey Anerican Water Co., Inc. Project, Series B, AMT, 5,60%, 11/01/24 2,430 2,733,143 United Water of New Jersey, Inc. 24,616,084 24,616,084 County/City/Special District/School District 20,1% 22,800 2,299,517 S.25%, 11/01/39 2,280 2,299,517 5,50% 5,50% S.25%, 11/01/44 6,500 6,523,140 1,50% 1,52% 1,50% 1,52% 1,51 5,50% 5,51,40 1,50% 1,52% 1,51 5,50% 5,51,40 1,52% 1,51 5,55% 1,51 5,55% 1,51 5,55% 5,56% 5,50% 5,50% 1,51 5,50% 5,50% 5,50%	A Contract of the second se		
Middlesse County Improvement Authority, RB, Senior Heldrich Center Hotel, Series A, 5.00%, 1/01/20 655 \$99,318 Project, AMT:		\$ 4.550	\$ 5,022,836
New Jensey EDA, RB, Continental Airlines, Inc. Project, AMT: Series A, 563%, 11/1570 1,730 Series A, 563%, 11/1570 485 Series A, 563%, 11/1570 485 New Jersey EDA, Refunding RB: 2430 New Jersey American Water Co., Inc. Project, Series A, AMT, 5.70%, 10/01/39 7,900 New Jersey American Water Co., Inc. Project, Series B, AMT, 5.60%, 11/01/24 2,430 United Water of New Jersey, Inc 24,616,084 County/City/Special District/School District 20.1% 24,616,084 County/City/Special District/School District 20.1% 2280 Szifs, 11/01/19 2,280 2,299,517 Szifs, 11/01/19 2,280 2,299,517 Szifs, 11/01/19 4,845,780 200 City of Wangate New Jersey, GO, Refunding, Improvement:			
Series A. 5.63%, 11/15/20 1,730 1,220,646 Series B. 5.63%, 11/15/20 485 538,447 New Jersey American Water Co., Inc. Project, Series A, AMT, 5.70%, 10/01/34 2,430 2,733,143 United Water of New Jersey American Water Co., Inc. Project, Series B, AMT, 5.60%, 11/01/34 2,440 2,733,143 United Water of New Jersey American Water Co., Inc. Project, Series B, AMT, 5.60%, 11/01/34 2,450 2,451 Series B (AMBAC), 4.50%, 11/01/25 4,500 4,845,780 County/City/Special District/School District 20.1% 24,616.084 24,616.084 County/City/Special District/School District 20.1% 2,280 2,299,517 S255, 11/01/19 2,280 2,299,517 S255, 11/01/19 6,500 6,521,140 City of Margate New Jersey, GO, Refunding, Improvement: 500 6,521,140 City of Margate New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 500%, 11/326 3,765 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 5,00% 3,407,168 Vanticipal Bonds (000) Value 1,000 1,077,340 1,000 1,077,340	New Jersey EDA, RB, Continental Airlines, Inc.	055	577,510
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New Jersey EDA, Refunding RB:			
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County/City/Special District/School District 20.1% Casino Reinvestment Development Authority, Refunding RB: 2,280 2.299,517 5.25%, 11/01/39 2,280 6,500 6,523,140 City of Margate New Jersey, GO, Refunding, Improvement: 0 1,341,612 500%, 1/15/27 845 937,840 City of Perth Amboy New Jersey, GO, CAB, Refunding (AGM), 5.00%, 7/01/33 755 780,255 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 3,765 3,840,225 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 2,700 3,477,168 Par Par Par Municipal Bonds (000) Value New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): County/City/Special District/School District (continued) County/City/Special District/School District (continued) County of Elsex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) Country of Gloucester New Jersey Improvement Authority, R			
County/City/Special District/School District 20.1% Casino Reinvestment Development Authority, Refunding RB: 2,280 2.299,517 5.25%, 11/01/39 2,280 6,500 6,523,140 City of Margate New Jersey, GO, Refunding, Improvement: 1,200 1,341,612 5.00%, 1/15/26 1,200 1,341,612 S00%, 1/15/27 845 937,840 City of Perth Amboy New Jersey, GO, CAB, Refunding (AGM), 5.00%, 7/01/33 755 780,255 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 3,475 3,840,225 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 700 3,477,168 Municipal Bonds (000) Value New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) 5.00%, 10/01/29 \$ 5,085 \$ 6,569,871 County of Essex New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital Par Program, 5.00%, 4/01/38 1,000 1,077,340 1,000 1,077,340 County of Hudson New Jersey Improvement Authority, RB, Courty Guaranteed Loan County Capital Program, 5,00%, 4/01/38 5,282,544 <td></td> <td></td> <td>24,616,084</td>			24,616,084
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Refunding RB: 2,280 2,299,517 5.25%, 11/01/29 2,280 2,299,517 5.25%, 11/01/24 6,500 6,523,140 City of Margate New Jersey, GO, Refunding, Improvement: 1,200 1,341,612 5.00%, 11/5/27 845 937,840 City of Perth Amboy New Jersey, GO, CAB, Refunding (AGM), 5.00%, 7/01/33 755 780,255 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 2,700 3,477,168 Sow, 10/01/28 2,700 3,477,168 Par Municipal Bonds (000) Value New Jersey (continued) Country of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) 5.085 \$ 6,569,871 Country of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) 1.000 1.077,340 Country of Gloucester New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital 1.000 1.077,340 Country of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/16 1,500 1,581,270 Country of Hudson New Jersey Improvement Authority, RB, Country Guaranteed Loan County Capital 5.38%, 101/44 4,800 5.282,544 Country of Hudson New Jersey Improvement Authority			
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City of Margate New Jersey, GO, Refunding, Improvement: 1,200 1,341,612 5.00%, 1/15/27 1,200 1,341,612 S00%, 1/15/27 845 937,840 City of Perth Amboy New Jersey, GO, CAB, Refunding (AGM), 5.00%, 7/01/33 755 780,255 County of Essex New Jersey Improvement Authority, RB, AMT, 5.25%, 7/01/45 (a) 3,765 3,840,225 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 5.700 3,477,168 Par Par Par Par Municipal Bonds (000) Value Value New Jersey (continued) County/City/Special District/School District (continued) County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) 5.085 \$ 6,569,871 County of Essex New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital 1,000 1,077,340 Program, 5.00%, 4/01/38 1,000 1,077,340 1,560, 1,581,270 County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C 5,3%, 1/01/44 4,800 5,282,554 County of Mudson New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/31 1,400 1,686,645 County of Middlesex New Jerse			
5.00%, 1/15/26 1,200 1,341,612 5.00%, 1/15/27 845 937,840 City of Perth Amboy New Jersey, GO, CAB, Refunding (AGM), 5.00%, 7/01/33 755 780,255 County of Essex New Jersey Improvement Authority, RB, AMT, 5.25%, 7/01/45 (a) 3,765 3,840,225 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 5.50%, 10/01/28 2,700 3,477,168 Municipal Bonds (000) Value New Jersey (continued) County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) (continued) County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) (contrud) 5 5,085 \$ 6,569,871 County of Gloucester New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital Program, 5.00%, 4/01/38 1,000 1,077,340 County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/16 1,500 1,581,270 County of Mudson New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 9/01/40 1,470 1,666,495 County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/1		0,500	0,525,140
5.00%, 1/15/27 845 937,840 City of Perth Amboy New Jersey, GO, CAB, Refunding (AGM), 5.00%, 7/01/33 755 780,255 County of Essex New Jersey Improvement Authority, RB, AMT, 5.25%, 7/01/45 (a) 3,765 3,840,225 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 2,700 3,477,168 Par Par Par		1 200	1 3/1 612
City of Perth Amboy New Jersey, GO, CAB, Refunding (AGM), 5.00%, 7/01/33 755 780,255 County of Essex New Jersey Improvement Authority, RB, AMT, 5.25%, 7/01/45 (a) 3,765 3,840,225 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 2,700 3,477,168 Par Par Municipal Bonds (000) Value New Jersey (continued)			
County of Essex New Jersey Improvement Authority, RB, AMT, 5.25%, 7/01/45 (a) 3,765 3,840,225 County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 2,700 3,477,168 S.50%, 10/01/28 2,700 3,477,168 Municipal Bonds (000) Value New Jersey (continued) (000) Value County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) (continued): 5.0%, 10/01/29 5.50%, 10/01/29 \$ 5,085 6,569,871 (county of Essex New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital Program, 5.00%, 4/01/38 1.000 1,077,340 County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/16 1,500 1,581,270 County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC), 4.800 5.282,544 County of Midlesex New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 5.00%, 5/01/40 1,470 1,666,495 County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 5.00%, 5/01/42 1,650 1,827,193 County of Union New Jersey Improvement Authority, RE, Guaranteed Lease, Family Court Building Project, 5.00%, 5/01/42 1,650 1,827,19			
County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC): 5.50%, 10/01/28 2,700 3,477,168 Par Municipal Bonds (000) Value New Jersey (continued) County/City/Special District/School District (continued) County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) (continued): 5,50%, 10/01/29 \$ 5,085 \$ 6,569,871 County of Gloucester New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital Program, 5.00%, 4/01/38 1,000 1.077,340 County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/16 1,500 1,581,270 County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/16 1,500 1,581,270 County of Mercer Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC), 5.38%, 1/01/44 4,800 5,282,544 County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/31 1,400 1,686,6495 County of Union New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/31 1,400 1,686,645 County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 1,650 1,827,193 County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31 670 730,300			
5.50%, 10/01/28 2,700 3,477,168 Par Par Municipal Bonds (000) Value New Jersey (continued) (000) Value County/City/Special District/School District (continued) (000) Value County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) (continued): (continued): S.50%, 10/01/29 \$ 5,085 \$ 6,569,871 (control of Gloucester New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital 1,000 1,077,340 Program, 5.00%, 4/01/38 1,000 1,077,340 1,581,270 County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/16 1,500 1,581,270 County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC), 5,38%, 1/01/44 4,800 5,282,544 County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 1/015/31 1,400 1,668,495 60001 County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 1,650 1,827,193 County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 1,650 1,827,193 County of U		3,703	3,840,225
Par Municipal Bonds (000) Value New Jersey (nontinued)		2 700	2 477 1 (9
Municipal Bonds(000)ValueNew Jersey (continued)County/City/Special District/School District (continued)County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) (continued):5.50%, 10/01/29\$ 5,085\$ 6,569,871County of Gloucester New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital Program, 5.00%, 4/01/381,0001,077,340County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/161,5001,581,270County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC),4,8005,282,544County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5,00%, 10/15/311,4001,666,495County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5,00%, 10/15/311,4001,689,646County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5,00%, 10/15/311,4001,689,646County of Union New Jersey Utilities Authority, RB, Guaranteed Lease, Family Court Building Project, 5,00%, 5/01/421,6501,827,193County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5,25%, 12/01/31670730,300	5.50%, 10/01/28	,	3,477,108
New Jersey (continued) Volume County/City/Special District/School District (continued) County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) (continued): 5.50%, 10/01/29 \$ 5,085 \$ 6,569,871 County of Gloucester New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital Program, 5.00%, 4/01/38 1,000 1,077,340 County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/16 1,500 1,581,270 County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C KAGC), 5.38%, 1/01/44 4,800 5,282,544 County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/40 1,470 1,666,495 1.600 1,689,646 1.000 1,689,646 1.000 1,689,646 1.000 1,610 1,620 1,827,193 1.000 1,627,193 1.000 1,627,193 1.000 1,627,193 1.000 1,627,193 1.000 1,620 1,650 1,827,193 1.000 1,620 1,650 1,827,193 County of Union New Jersey Improvement Authority, Refunding RB, Series A: 1,650 1,827,193 1.000 1,650 1,827,193 County of Union New		rar	
New Jersey (continued) County/City/Special District/School District (continued) County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) (continued): \$ 5,085 \$ 6,569,871 S.50%, 10/01/29 \$ 5,085 \$ 6,569,871 \$ 5,085 \$ 6,569,871 Program, 5.00%, 4/01/38 1,000 1,077,340 County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/16 1,500 1,581,270 County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC), \$ 5,38%, 1/01/44 County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/40 1,470 1,666,495 County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/31 1,400 1,689,646 County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 5.00%, 5/01/42 1,650 1,827,193 County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31 670 730,300	Municipal Bonds	(000)	Value
County/City/Special District/School District (continued)County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) (continued):5.50%, 10/01/29\$ 5,085\$ 6,569,871County of Gloucester New Jersey Improvement Authority, RB, Courty Guaranteed Loan Program, 5.00%, 4/01/381,0001,077,340County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/161,5001,581,270County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC),4,8005,282,544County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/401,4701,666,495County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/311,4001,689,646County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 5.00%, 5/01/421,6501,827,193County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31670730,300	-	(000)	
County of Essex New Jersey Improvement Authority, Refunding RB, Project Consolidation (NPFGC) (continued): 5.50%, 10/01/29 \$ 5,085 \$ 6,569,871 County of Gloucester New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital Program, 5.00%, 4/01/38 1,000 1,077,340 County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/16 1,500 1,581,270 County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC), 5.38%, 1/01/44 4,800 5,282,544 County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/40 1,470 1,666,495 County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/31 1,400 1,689,646 County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 5.00%, 5/01/42 1,650 1,827,193 County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31 670 730,300			
(continued): 5.50%, 10/01/29 \$ 5,085 \$ 6,569,871 County of Gloucester New Jersey Improvement Authority, RB, County Guaranteed Loan County Capital Program, 5.00%, 4/01/38 1,000 1,077,340 County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/16 1,500 1,581,270 County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC), 5.38%, 1/01/44 4,800 5,282,544 County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/40 1,470 1,666,495 County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/31 1,400 1,689,646 County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 5.00%, 5/01/42 1,650 1,827,193 County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31 670 730,300			
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County of Gloucester New Jersey Improvement Authority, RB, County Guaranteed LoanCounty CapitalProgram, 5.00%, 4/01/381,0001,077,340County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/161,5001,581,270County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C(AGC),5.38%, 1/01/444,8005,282,544County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/401,4701,666,495County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/311,4001,689,646County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project,5.00%, 5/01/421,6501,827,193County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31670730,300		\$ 5.085	\$ 6.569.871
Program, 5.00%, 4/01/381,0001,077,340County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/161,5001,581,270County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC),4,8005,282,544S.38%, 1/01/444,8005,282,544County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/401,4701,666,495County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/311,4001,689,646County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project,1,6501,827,193County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31670730,300		,000	, .,
County of Hudson New Jersey, COP, Refunding, (NPFGC), 6.25%, 12/01/161,5001,581,270County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC),4,8005,282,5445.38%, 1/01/444,8005,282,544County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/401,4701,666,495County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/311,4001,689,646County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project,1,6501,827,193County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31670730,300		1,000	1.077.340
County of Hudson New Jersey Improvement Authority, RB, Harrison Parking Facility Project, Series C (AGC),5.38%, 1/01/444,8005,282,544County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/401,4701,666,495County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/311,4001,689,646County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project,1,6501,827,193S.00%, 5/01/421,6501,827,193County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31670730,300			
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5.38%, 1/01/444,8005,282,544County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/401,4701,666,495County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/311,4001,689,646County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 5.00%, 5/01/421,6501,827,193County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31670730,300			
County of Mercer Improvement Authority, RB, Courthouse Annex Project, 5.00%, 9/01/401,4701,666,495County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/311,4001,689,646County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 5.00%, 5/01/421,6501,827,193County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31670730,300		4 800	5 282 544
County of Middlesex New Jersey, Refunding, COPS, Civic Square IV Redevelopment, 5.00%, 10/15/31 1,400 1,689,646 County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building 1,650 1,827,193 Solow, 5/01/42 1,650 1,827,193 County of Union New Jersey Utilities Authority, Refunding RB, Series A: 670 730,300		,	
County of Union New Jersey Improvement Authority, LRB, Guaranteed Lease, Family Court Building Project, 5.00%, 5/01/42 1,650 1,827,193 County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31 670 730,300			
Project,1,6501,827,1935.00%, 5/01/421,6501,827,193County of Union New Jersey Utilities Authority, Refunding RB, Series A: Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31670730,300		1,400	1,089,040
5.00%, 5/01/42 1,650 1,827,193 County of Union New Jersey Utilities Authority, Refunding RB, Series A:			
County of Union New Jersey Utilities Authority, Refunding RB, Series A:Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31670730,300		1 650	1 927 102
Resources Recovery Facility, Covanta Union, Inc., AMT, 5.25%, 12/01/31 670 730,300		1,650	1,827,193
		(70)	720.200
Solid waste System, County Deficiency Agreement, 5,00%, 6/15/41 4,115 4,549,132			
		4,115	4,549,132
	Monmouth County Improvement Authority, Refunding RB, Government Loan (AMBAC):	_	5.010
5.00%, 12/01/15 5 5,018			
5.00%, 12/01/16 5,017	5.00%, 12/01/16	5	5,017

BLACKROCK MUNIVIELD NEW JERSEY FUND, INC.

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

	Par	
Municipal Bonds	(000)	Value
New Jersey (continued)		
ounty/City/Special District/School District (continued)		
Ionroe Township Board of Education Middlesex County, GO, Refunding, 5.00%, 3/01/38	\$ 1,625	\$ 1,839,760
		46,023,343
ducation 28.0%		
ew Jersey EDA, RB:		
eap Academy Charter School, Series A,		
.20%, 10/01/44	235	237,388
eap Academy Charter School, Series A,	275	250 552
30%, 10/01/49	375	378,773
ISU Student Housing Project Provide,	1,000	1 112 250
.75%, 6/01/31 ISU Student Housing Project Provide,	1,000	1,113,350
88%, 6/01/42	1,500	1,659,390
he Team Academy Charter School Project, 6.00%, 10/01/33	2,835	3,200,091
ew Jersey EDA, Refunding RB, Series A, Greater Brunswick Charter School, Inc. Project (a):	2,000	0,200,001
88%, 8/01/44	780	799,757
00%, 8/01/49	555	568,026
ew Jersey Educational Facilities Authority, RB:		
ligher Educational Capital Improvement Fund, Series A, 5.00%, 9/01/32	3,925	4,046,322
Iontclair State University, Series J,		
25%, 7/01/38	1,140	1,242,817
ew Jersey Educational Facilities Authority, Refunding RB:		
ollege of New Jersey, Series D,		
.00%, 7/01/18 (b)	1,485	1,647,296
ollege of New Jersey, Series D, 5.00%, 7/01/35	4,630	5,032,717
eorgian Court University, Series D, 25%, 7/01/37	1,000	1,049,530
ean University, Series A, 5.50%, 9/01/36	4,500	5,071,545
Iontclaire State University, Series A,	4,500	5,071,545
.00%, 7/01/44	6,790	7,470,969
ew Jersey Institute of Technology, Series H, 5.00%, 7/01/31	1,250	1,400,063
amapo College, Series B, 5.00%, 7/01/42	340	367,880
ider University, Series A, 5.00%, 7/01/32	1,000	1,064,840
owan University, Series B (AGC),		
.00%, 7/01/24	1,800	1,977,228
eton Hall University, Series D, 5.00%, 7/01/38	395	433,141
	Par	
lunicipal Bonds	(000)	Value
ew Jersey (continued)	· · /	
ducation (continued)		
ew Jersey Educational Facilities Authority, Refunding RB (continued):		
niversity of Medicine & Dentistry, Series B, 7.13%, 6/01/19 (b)	\$ 1,300	\$ 1,571,505
niversity of Medicine & Dentistry, Series B, 7.50%, 6/01/19 (b)	1,625	1,985,717
ew Jersey Higher Education Student Assistance Authority, Refunding RB:		1 1 50 510
pries 1, AMT, 5.75%, 12/01/29	4,045	4,458,318
eries 1A, 5.00%, 12/01/25	765	807,144
eries 1A, 5.00%, 12/01/26	480	505,382
eries 1A, 5.25%, 12/01/32 ew Jersey Institute of Technology, RB, Series A:	900	967,257
00%, 7/01/40	1,500	1,663,665
00%, 7/01/40	3,040	3,331,718
00%, 7/01/45	2,935	3,210,156
utgers The State University of New Jersey, Refunding RB, Series L, 5.00%, 5/01/43	5,870	6,536,656
		63,798,641
alth 8.9%		

County of Camden New Jersey Improvement Authority, Refunding RB, 5.00%, 2/15/34	590	630,391	
New Jersey EDA, Refunding RB, Lions Gate Project:			
5.00%, 1/01/34	500	508,690	
5.25%, 1/01/44	315	321,584	
New Jersey Health Care Facilities Financing Authority, RB:			
Meridian Health System Obligated Group,			
Series I (AGC), 5.00%, 7/01/38	935	988,258	
Robert Wood Johnson University Hospital,			
Series A, 5.50%, 7/01/43	1,420	1,629,052	
Virtua Health, Series A (AGC), 5.50%, 7/01/38	2,500	2,754,850	
New Jersey Health Care Facilities Financing Authority, Refunding RB:			
AHS Hospital Corp., 6.00%, 7/01/41	2,435	2,875,735	

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BLACKROCK MUNIYIELD NEW JERSEY FUND, INC.

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

	Par	
Municipal Bonds	(000)	Value
New Jersey (continued)	(000)	vuide
Health (continued)		
New Jersey Health Care Facilities Financing Authority, Refunding RB (continued):		
Robert Wood Johnson University Hospital,		
5.00%, 7/01/31	\$ 1,000	\$ 1,102,540
South Jersey Hospital, 5.00%, 7/01/36	385	391,672
St. Barnabas Health Care System, Series A,		
5.00%, 7/01/29	4,140	4,255,258
St. Barnabas Health Care System, Series A,	1,110	1,200,200
5.63%, 7/01/32	1,090	1,258,372
St. Barnabas Health Care System, Series A,	1,000	1,230,372
5.63%, 7/01/37	3,030	3,460,351
.05%, //01/57	5,050	5,400,551
		20,176,753
Housing 3.1%		
New Jersey Housing & Mortgage Finance Agency, RB:		
M/F Housing, Series A, 4.75%, 11/01/29	2,305	2,424,952
S/F Housing, Series AA, 6.50%, 10/01/38	185	191,830
S/F Housing, Series CC, 5.00%, 10/01/34	1,700	1,769,768
S/F Housing, Series U, AMT, 4.95%, 10/01/32	260	264,446
S/F Housing, Series U, AMT, 5.00%, 10/01/37	265	268,644
Newark Housing Authority, RB, South Ward Police Facility (AGC), 6.75%, 12/01/38	1,750	2,057,423
	-,	,,.==
		6,977,063
State 17.0%		
Garden State Preservation Trust, RB, CAB,		
Series B (AGM) (c):		
0.00%, 11/01/23	1,460	1,208,617
0.00%, 11/01/28	4,540	3,087,745
New Jersey EDA, RB:		
Motor Vehicle Surcharge, Series A (NPFGC),		
5.25%, 7/01/25	2,000	2,317,880
Motor Vehicle Surcharge, Series A (NPFGC),		
5.25%, 7/01/33	9,090	9,207,352
	Par	
Municipal Danda	(000)	Value
Municipal Bonds	(000)	Value
New Jersey (continued)		
State (continued)		
New Jersey EDA, RB (continued):		
School Facilities Construction (AGC),		
5.50%, 12/15/18 (b)	\$ 2,345	\$ 2,672,432
School Facilities Construction (AGC),		
5.50%, 12/15/34	1,320	1,452,739
School Facilities Construction, Series CC-2, 5.00%, 12/15/31	1,125	1,148,670
School Facilities Construction, Series Y,		
5.00%, 9/01/18 (b)	880	980,434
New Jersey EDA, Refunding RB:		
5.25%, 6/15/19 (b)	265	304,276
5.25%, 12/15/33	735	758,167
Cigarette Tax, 5.00%, 6/15/26	440	468,626
Cigarette Tax, 5.00%, 6/15/28	720	756,533
Cigarette Tax, 5.00%, 6/15/29	1,760	1,841,647
School Facilities Construction, Series AA,	-,,	, ~ , ~ . ,
5.50%, 12/15/29	3,000	3,157,560
School Facilities Construction, Series GG,	5,000	5,157,500
5.25%, 9/01/27	3,000	3,164,160
New Jersey Health Care Facilities Financing Authority, RB, Hospital Asset Transformation Program		5,104,100
		2 207 777
Series A, 5.25%, 10/01/38	2,300	2,397,727

State of New Jersey, COP, Equipment Lease Purchase, Series A, 5.25%, 6/15/28	1,100	1,152,734	
State of New Jersey, GO, Various Purposes, 5.00%, 6/01/28	2,425	2,756,910	
		38,834,209	
Transportation 40.0%			
Delaware River Port Authority of Pennsylvania &			
New Jersey, RB:			
5.00%, 1/01/40	2,620	2,922,636	
Series D, 5.00%, 1/01/40	1,535	1,707,227	
New Jersey EDA, RB, The Goethals Bridge Replacement Project, AMT:			
5.38%, 1/01/43	9,420	10,043,981	
Private Activity Bond (AGM), 5.00%, 1/01/31	1,000	1,101,250	

BLACKROCK MUNIYIELD NEW JERSEY FUND, INC.

OCTOBER 31, 2015

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State 7.2%

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

	Par	
Municipal Bonds	(000)	Value
New Jersey (continued)	(000)	, and ,
Transportation (continued)		
New Jersey State Turnpike Authority, RB:		
Growth & Income Securities, Series B (AMBAC), 5.15%, 1/01/35 (d)	\$ 4,870	\$ 5,079,848
Series A, 5.00%, 1/01/38	10,750	11,876,170
Series A, 5.00%, 1/01/43 Series E, 5.25%, 1/01/40	610 2,525	671,982 2,774,091
New Jersey State Turnpike Authority, Refunding RB, Series A, 5.00%, 1/01/35	1,000	1,105,310
New Jersey Transportation Trust Fund Authority, RB:	1,000	1,105,510
CAB, Transportation System, Series C (AMBAC), 0.00%, 12/15/35 (c)	4,140	1,368,063
Transportation Program, Series AA,		
5.00%, 6/15/38	5,935	6,042,898
Transportation System, 6.00%, 12/15/38	1,950	2,136,011
Transportation System, Series A,		
6.00%, 6/15/35	6,030	6,657,361
Transportation System, Series A,	2.650	2 020 152
5.88%, 12/15/38	3,650	3,939,153
Transportation System, Series A, 5.50%, 6/15/41	5,500	5,834,840
Transportation System, Series A (AGC),	5,500	5,654,640
5.63%, 12/15/28	1,250	1,419,350
Transportation System, Series A (AGC),	1,200	1,11,000
5.50%, 12/15/38	1,000	1,092,310
Transportation System, Series AA,	,	
5.50%, 6/15/39	5,520	5,876,316
Port Authority of New York & New Jersey, ARB:		
Consolidated, 93rd Series, 6.13%, 6/01/94	5,000	6,102,850
JFK International Air Terminal, Series 8,		2 4 2 2 7 2 2
6.00%, 12/01/42	2,700	3,129,759
169th Series, 5.00%, 10/01/41	250	271,125
Port Authority of New York & New Jersey, Refunding ARB, Consolidated: 152nd Series, AMT, 5.75%, 11/01/30	3,300	3,649,008
152nd Series, AMT, 5.25%, 11/01/35	240	260,158
166th Series, 5.25%, 7/15/36	4,000	4,564,880
	Par	,
Municipal Bonds	(000)	Value
New Jersey (continued)	(***)	
Transportation (continued)		
Port Authority of New York & New Jersey, Refunding ARB, Consolidated (continued):		
172nd Series, AMT, 5.00%, 10/01/34	\$ 1,500	\$ 1,661,955
		91,288,532
Utilities 1.5%		
Rahway Valley Sewerage Authority, RB, CAB,		
Series A (NPFGC), 0.00%, 9/01/31 (c)	6,000	3,367,920
Total Municipal Bonds 129.4%		295,082,545
Municipal Bonds Transferred to Tender Option Bond Trusts (e)		
New Jersey 29.9%		
County/City/Special District/School District 6.1%		
County of Union New Jersey Utilities Authority, Refunding LRB, Resource Recovery Facility,		
Covanta Union, Inc., Series A, AMT,	10.000	12.072.000
5.25%, 12/01/31	12,820	13,973,800
Education 1.0%	2 000	2 225 006
Rutgers The State University of New Jersey, RB, Series F, 5.00%, 5/01/39	2,009	2,235,006

Garden State Preservation Trust, RB, Election of 2005, Series A (AGM), 5.75%, 11/01/28	5,460	6,807,910	
New Jersey EDA, RB, School Facilities Construction (AGC):			
6.00%, 12/15/18 (b)	1,185	1,385,698	
6.00%, 12/15/34	2,415	2,723,378	
New Jersey EDA, Refunding RB, 5.00%, 3/01/29 (f)	5,230	5,430,903	
		16,347,889	
Transportation 15.6%			
New Jersey State Turnpike Authority, RB, Series A, 5.00%, 1/01/38 (f)	8,820	9,743,983	
New Jersey Transportation Trust Fund Authority, RB, Transportation System:			
Series A (AMBAC), 5.00%, 12/15/32	4,100	4,294,135	
Series B, 5.25%, 6/15/36 (f)	5,001	5,185,441	

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BLACKROCK MUNIVIELD NEW JERSEY FUND, INC.

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

	Par	
Municipal Bonds Transferred to		
Tender Option Bond Trusts (e)	(000)	Value
New Jersey (continued)		
Transportation (continued)		
Port Authority of New York & New Jersey, RB, Consolidated, 169th Series, AMT, 5.00%, 10/15/41	\$ 11,250	\$ 12,200,625
Port Authority of New York & New Jersey, Refunding RB, Consolidated, 152nd Series, AMT,		
5.25%, 11/01/35	3,764	4,079,811
		35,503,995
Total Municipal Bonds Transferred to		
Tender Option Bond Trusts 29.9%		68,060,690
Total Long-Term Investments		
(Cost \$340,154,959) 159.3%		363,143,235
Short-Term Securities	Shares	Value
BIF New Jersey Municipal Money Fund,		
	0 110 (70	\$ 2,110,678
0.01% (g)(h)	2,110,678	\$ 2,110,078
0.01% (g)(h) Total Short-Term Securities	2,110,678	\$ 2,110,078
	2,110,678	2,110,678
Total Short-Term Securities	2,110,678	
Total Short-Term Securities(Cost \$2,110,678)0.9%	2,110,678	
Total Short-Term Securities (Cost \$2,110,678) 0.9% Total Investments	2,110,678	2,110,678
Total Short-Term Securities (Cost \$2,110,678) 0.9% Total Investments (Cost \$342,265,637*) 160.2% (Cost \$342,265,637*)	2,110,678	2,110,678 365,253,913
Total Short-Term Securities(Cost \$2,110,678)0.9%Total Investments(Cost \$342,265,637*)160.2%Other Assets Less Liabilities1.9%	2,110,678	2,110,678 365,253,913
Total Short-Term Securities (Cost \$2,110,678) 0.9% Total Investments (Cost \$342,265,637*) 160.2% Other Assets Less Liabilities 1.9% Liability for TOB Trust Certificates, Including Interest	2,110,678	2,110,678 365,253,913 4,554,806
Total Short-Term Securities (Cost \$2,110,678) 0.9% Total Investments (Cost \$342,265,637*) 160.2% Other Assets Less Liabilities 1.9% Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable (17.3)%	2,110,678	2,110,678 365,253,913 4,554,806 (39,572,305)
Total Short-Term Securities (Cost \$2,110,678) 0.9% Total Investments (Cost \$342,265,637*) 160.2% Other Assets Less Liabilities 1.9% Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable (17.3)%	2,110,678	2,110,678 365,253,913 4,554,806 (39,572,305)

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

Tax cost	\$ 303,381,719
Gross unrealized appreciation	\$ 24,553,709
Gross unrealized depreciation	(2,235,034)
Net unrealized appreciation	\$ 22,318,675

Notes to Schedule of Investments

- (a) 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.
- (b) 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.
- (c) Zero-coupon bond.

- (d) Represents a step-up bond that pays an initial coupon rate for the first period and then a higher coupon rate for the following periods. Rate shown is as of period end.
- (e) 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.
- (f) All or a portion of security is subject to a recourse agreement, which may require the Fund to pay the liquidity provider in the event there is a shortfall between the TOB Trust Certificates and proceeds received from the sale of the security contributed to the TOB Trust or in the event of a default on the security. In the case of a shortfall or default, the aggregate maximum potential amount the Fund could ultimately be required to pay under the agreements which expire between June 15, 2019 to September 1, 2020 is \$14,350,925.
- (g) During the period ended October 31, 2015, 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	Net	Shares Held	
	at July 31,		at October 31,	
Affiliate	2015	Activity	2015	Income
BIF New Jersey Municipal Money Fund	3,887,295	(1,776,617)	2,110,678	\$ 39

(h) Represents the current yield as of period end.

BLACKROCK MUNIYIELD NEW JERSEY FUND, INC. OCTOBER 31, 2015

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BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

For Fund compliance purposes, the Fund s sector classifications refer to any one or more of the sector sub-classifications used by one or more widely recognized market indexes or rating group indexes, and/or as defined by the investment advisor. These definitions may not apply for purposes of this report, which may combine such sector sub-classifications for reporting ease.

Portfolio Abbreviations

AGC	Assured Guarantee Corp.	CAB	Capital Appreciation Bonds	M/F	Multi-Family
AGM	Assured Guaranty Municipal Corp.	COP	Certificates of Participation	NPFGC	National Public Finance Guarantee
AMBAC	American Municipal Bond Assurance Corp.	EDA	Economic Development Authority	OTC	Corp. Over-the-Counter
AMT	Alternative Minimum Tax (subject to)	GO	General Obligation Bonds	RB	Revenue Bonds
ARB	Airport Revenue Bonds	LRB	Lease Revenue Bonds	S/F	Single-Family

Derivative Financial Instruments Outstanding as of Period End

Financial Futures Contracts

Contracts Short	Issue	Expiration	Notional Value	Unrealized Appreciation
(14)	5-Year U.S. Treasury Note	December 2015	\$ 1.676.828	\$ 19,476
(25)	10-Year U.S. Treasury Note	December 2015	\$ 3.192.188	52,579
(11)	Long U.S. Treasury Bond	December 2015	\$ 1.720.812	35,525
(11) (2)	U.S. Ultra Bond	December 2015	\$ 319.500	5.216
Total	0.5. Olita Dolia	Detember 2015	\$ 517,500	\$ 112.796

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BLACKROCK MUNIYIELD NEW JERSEY FUND, INC.

BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

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. The significant unobservable inputs used by the Global Valuation Committee in determining the price for Fair Valued Investments are typically categorized as Level 3.

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 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		\$ 363,143,235		\$ 363,143,235
Short-Term Investments	\$ 2,110,678			2,110,678
Total	\$ 2,110,678	\$ 363,143,235		\$ 365,253,913
¹ See above Schedule of Investments for values in each sector.				
	Level 1	Level 2	Level 3	Total
Derivative Financial Instruments ¹	Lever1		Levere	1 otur
Assets:				
Interest rate contracts	\$ 112,796			\$ 112,796

¹ Derivative financial instruments are financial futures contracts, which are valued at the unrealized appreciation (depreciation) on the instrument.

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BlackRock MuniYield New Jersey Fund, Inc. (MYJ)

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:

	Level 1	Level 2	Level 3	Total
Assets:				
Cash pledged for financial futures contracts	\$ 92,150			\$ 92,150
Liabilities:				
TOB Trust Certificates		\$ (39,553,519)		(39,553,519)
VRDP Shares		(102,200,000)		(102,200,000)
Total	\$ 92,150	\$ (141,753,519)		\$ (141,661,369)

During the period ended October 31, 2015, there were no transfers between levels.

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BLACKROCK MUNIYIELD NEW JERSEY FUND, INC.

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 MuniYield New Jersey Fund, Inc.

By: <u>/s/ John M. Perlowski</u> John M. Perlowski Chief Executive Officer (principal executive officer) of BlackRock MuniYield New Jersey Fund, Inc.

Date: December 22, 2015

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 MuniYield New Jersey Fund, Inc.

Date: December 22, 2015

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

Date: December 22, 2015