

NUVEEN MARYLAND PREMIUM INCOME MUNICIPAL FUND
Form N-Q
April 27, 2012

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT
COMPANY

Investment Company Act file number 811-7486

Nuveen Maryland Premium Income Municipal Fund
(Exact name of registrant as specified in charter)

Nuveen Investments
333 West Wacker Drive, Chicago, Illinois 60606
(Address of principal executive offices) (Zip code)

Kevin J. McCarthy
Vice President and Secretary
333 West Wacker Drive, Chicago, Illinois 60606
(Name and address of agent for service)

Registrant's telephone number, including area code: 312-917-7700

Date of fiscal year end: 5/31

Date of reporting period: 2/29/12

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (§§ 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. § 3507.

Item 1. Schedule of Investments

Portfolio of Investments (Unaudited)
 Nuveen Maryland Premium Income Municipal Fund (NMY)
 February 29, 2012

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	Consumer Discretionary – 2.9% (2.0% of Total Investments) Baltimore, Maryland, Senior Lien Convention Center Hotel Revenue Bonds, Series 2006A:			
\$ 25	5.250%, 9/01/25 – SYNCORA GTY Insured	9/16 at 100.00	BB+	\$ 24,809
250	5.250%, 9/01/27 – SYNCORA GTY Insured	9/16 at 100.00	BB+	245,323
4,825	5.250%, 9/01/39 – SYNCORA GTY Insured	9/16 at 100.00	BB+	4,537,961
5,100	Total Consumer Discretionary			4,808,093
	Consumer Staples – 6.4% (4.3% of Total Investments) Guam Economic Development & Commerce Authority, Tobacco Settlement Asset-Backed Bonds, Series 2007A:			
810	5.250%, 6/01/32	6/17 at 100.00	N/R	736,598
1,200	5.625%, 6/01/47	6/17 at 100.00	N/R	981,012
77,000	Puerto Rico, The Children’s Trust Fund, Tobacco Settlement Asset-Backed Bonds, Series 2005A, 0.000%, 5/15/50	5/15 at 11.19	BBB–	5,276,040
	Puerto Rico, The Children’s Trust Fund, Tobacco Settlement Asset-Backed Refunding Bonds, Series 2002:			
2,590	5.375%, 5/15/33	5/12 at 100.00	BBB	2,562,313
1,000	5.500%, 5/15/39	5/12 at 100.00	Baa3	987,400
82,600	Total Consumer Staples			10,543,363
	Education and Civic Organizations – 15.9% (10.7% of Total Investments) Frederick County, Maryland, Educational Facilities Revenue Bonds, Mount Saint Mary’s College, Series 2006, 5.625%, 9/01/38	9/16 at 100.00	BB+	1,233,888
1,250	Hartford County, Maryland, Economic Development Revenue Bonds, Battelle Memorial Institute, Series 2004, 5.250%, 4/01/34	4/14 at 100.00	A+	1,024,880
1,000	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Patterson Park	7/20 at 100.00	BBB–	334,066

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Public Charter School Issue, Series 2010, 6.000%, 7/01/40
 Maryland Health and Higher Educational Facilities Authority,
 Revenue Bonds, Bullis School,
 Series 2000:

825	5.250%, 7/01/25 – AGM Insured	1/13 at 100.00	AA–	830,717
500	5.250%, 7/01/30 – AGM Insured	1/13 at 100.00	AA–	503,240
1,250	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Goucher College, Series 2004, 5.125%, 7/01/34	7/14 at 100.00	A–	1,282,863
1,430	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Johns Hopkins University, Series 2004, Trust 1003, 13.763%, 1/01/13 (IF)	No Opt. Call	AA+	1,781,809
1,825	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Maryland Institute College of Art, Series 2006, 5.000%, 6/01/30	6/16 at 100.00	Baa1	1,871,227
500	Maryland Industrial Development Financing Authority, Revenue Bonds, Our Lady of Good Counsel High School, Series 2005A, 6.000%, 5/01/35	5/15 at 100.00	N/R	509,325
1,365	Montgomery County Revenue Authority, Maryland, Lease Revenue Bonds, Montgomery College Arts Center Project, Series 2005A, 5.000%, 5/01/19	5/15 at 100.00	Aa3	1,496,054
9,445	Morgan State University, Maryland, Student Tuition and Fee Revenue Refunding Bonds, Academic Fees and Auxiliary Facilities, Series 1993, 6.100%, 7/01/20 – NPFG Insured	No Opt. Call	Aa3	11,714,161
1,685	University of Maryland, Auxiliary Facility and Tuition Revenue Bonds, Series 2006A, 5.000%, 10/01/22 Westminster, Maryland, Educational Facilities Revenue Bonds, McDaniel College, Series 2006:	10/16 at 100.00	AA+	1,949,697
910	5.000%, 11/01/31	11/16 at 100.00	BBB+	934,907
850	4.500%, 11/01/36	11/16 at 100.00	BBB+	809,175
23,165	Total Education and Civic Organizations Health Care – 28.5% (19.2% of Total Investments)			26,276,009
500	Baltimore County, Maryland, Catholic Health Initiatives, Revenue Bonds, Series 2006A, 5.000%, 9/01/36	9/16 at 100.00	AA	548,455
2,990	Maryland Health and Higher Education Facilities Authority, Revenue Bonds, University of Maryland Medical System Issue, Series 2010, 5.125%, 7/01/39	7/19 at 100.00	A	3,191,167
565	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds Doctors Community Hospital, Refunding Series 2010, 5.750%, 7/01/38	No Opt. Call	Baa3	582,679
850	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Adventist Healthcare, Series 2011A, 6.250%, 1/01/31	1/22 at 100.00	Baa2	965,694
1,500	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Anne Arundel Health System, Series 2010, 5.000%, 7/01/40	7/19 at 100.00	A–	1,567,800

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1,525	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Calvert Memorial Hospital, Series 2004, 5.500%, 7/01/36	7/14 at 100.00	A3	1,565,382
3,250	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Carroll County General Hospital, Series 2002, 5.800%, 7/01/32	7/12 at 100.00	A3	3,269,988
400	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Carroll Hospital Center, Series 2006, 5.000%, 7/01/40	7/16 at 100.00	A3	407,228
1,665	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Civista Medical Center, Series 2005, 5.000%, 7/01/37 – RAAI Insured	7/14 at 100.00	N/R	1,457,241
1,740	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Doctors Community Hospital, Series 2007A, 5.000%, 7/01/29	7/17 at 100.00	Baa3	1,746,351
1,400	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Frederick Memorial Hospital, Series 2002, 5.125%, 7/01/35	7/12 at 100.00	Baa1	1,400,882
1,200	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Greater Baltimore Medical Center, Series 2001, 5.000%, 7/01/34	7/12 at 100.00	A	1,200,600
500	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Johns Hopkins Health System Obligated Group Issue, Series 2011A, 5.000%, 5/15/26	5/21 at 100.00	AA–	584,540
1,000	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Johns Hopkins Hospital, Howard County General Hospital Acquisition, Series 1998, 5.000%, 7/01/19 – NPFG Insured	7/12 at 100.00	Baa1	1,002,480
2,000	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Kaiser Permanente System, Series 1998A, 5.375%, 7/01/15	7/12 at 100.00	A+	2,006,880
3,800	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Kennedy Krieger Institute, Series 2003, 5.500%, 7/01/33	7/13 at 100.00	Baa3	3,836,518
1,175	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, LifeBridge Health System, Series 2008, 5.000%, 7/01/28 – AGC Insured	7/17 at 100.00	AA–	1,259,212
300	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, LifeBridge Health System, Series 2011, 6.000%, 7/01/41	7/21 at 100.00	A	342,963
1,750	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, MedStar Health, Series 2004, 5.375%, 8/15/24	8/14 at 100.00	A2	1,857,713
3,310	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, MedStar Health, Series 2007, 5.250%, 5/15/46 – BHAC Insured	5/16 at 100.00	AA+	3,475,765
	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Mercy Medical Center Issue, Series 2007A:			

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1,010	5.000%, 7/01/37	7/17 at 100.00	BBB	986,528
670	5.500%, 7/01/42	7/17 at 100.00	BBB	680,305
1,700	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Peninsula Regional Medical Center, Series 2006, 5.000%, 7/01/36	7/16 at 100.00	A	1,745,526
1,900	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, The Johns Hopkins Health System Obligated Group Issue, Series 2010, 5.000%, 5/15/40	5/20 at 100.00	AA-	2,050,385
3,250	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Union Hospital of Cecil County, Series 2002, 5.625%, 7/01/32	7/12 at 100.00	A3	3,272,393
1,000	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, University of Maryland Medical System, Series 2004B, 5.000%, 7/01/24 – AMBAC Insured	7/13 at 100.00	A	1,020,860
	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Washington County Hospital, Series 2008:			
3,395	5.750%, 1/01/38	1/18 at 100.00	BBB-	3,552,901
1,000	6.000%, 1/01/43	1/18 at 100.00	BBB-	1,060,140
	Prince George's County, Maryland, Revenue Bonds, Dimensions Health Corporation, Series 1994:			
225	5.375%, 7/01/14	7/12 at 100.00	B3	225,061
295	5.300%, 7/01/24	7/12 at 100.00	B3	270,689
45,865	Total Health Care Housing/Multifamily – 9.9% (6.7% of Total Investments)			47,134,326
2,065	Anne Arundel County, Maryland, FNMA Multifamily Housing Revenue Bonds, Glenview Gardens Apartments Project, Series 2009, 5.000%, 1/01/28 (Mandatory put 1/01/27)	1/20 at 102.00	AA+	2,222,787
2,500	Maryland Community Development Administration, Housing Revenue Bonds, Series 1999A, 5.350%, 7/01/41 (Alternative Minimum Tax)	7/12 at 100.00	Aa2	2,501,150
685	Maryland Community Development Administration, Housing Revenue Bonds, Series 1999B, 6.250%, 7/01/32 (Alternative Minimum Tax)	7/12 at 100.00	Aa2	685,966
1,000	Maryland Economic Development Corporation, Senior Lien Student Housing Revenue Bonds, University of Maryland – Baltimore, Series 2003A, 5.625%, 10/01/23	10/13 at 100.00	B3	735,680
1,145	Maryland Economic Development Corporation, Student Housing Revenue Refunding Bonds, University of Maryland College Park Projects, Series 2006, 5.000%, 6/01/33 – CIFG Insured	6/16 at 100.00	AA-	1,172,434

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3,830	Montgomery County Housing Opportunities Commission, Maryland, FNMA/FHA-Insured Multifamily Housing Development Bonds, Series 1998A, 5.200%, 7/01/30	7/12 at 100.00	Aaa	3,833,715
300	Montgomery County Housing Opportunities Commission, Maryland, GNMA/FHA-Insured Multifamily Housing Revenue Bonds, Series 1995A, 5.900%, 7/01/15	7/12 at 100.00	Aa2	301,029
2,000	Montgomery County Housing Opportunities Commission, Maryland, Multifamily Housing Development Bonds, Series 2000A, 6.100%, 7/01/30	7/12 at 100.00	Aaa	2,003,320
	Prince George's County Housing Authority, Maryland, GNMA Collateralized Mortgage Revenue Refunding Bonds, Overlook Apartments, Series 1995A:			
1,250	5.700%, 12/20/15	6/12 at 100.00	AA+	1,254,225
1,670	5.750%, 12/20/19	6/12 at 100.00	AA+	1,674,058
16,445	Total Housing/Multifamily Housing/Single Family – 11.3% (7.6% of Total Investments)			16,384,364
2,735	Maryland Community Development Administration Department of Housing and Community Development, Residential Revenue Bonds, Series 2008C, 5.375%, 9/01/39	9/18 at 100.00	Aa2	2,892,345
3,000	Maryland Community Development Administration Department of Housing and Community Development, Residential Revenue Bonds, Series 2009B, 4.750%, 9/01/39	9/18 at 100.00	Aa2	3,075,900
505	Maryland Community Development Administration Department of Housing and Community Development, Residential Revenue Bonds, Series 2010B, 5.250%, 9/01/35	3/20 at 100.00	Aa2	542,865
2,325	Maryland Community Development Administration, Department of Housing and Community Development, Residential Revenue Bonds, Series 2005E, 4.900%, 9/01/36 (Alternative Minimum Tax) (UB)	9/14 at 100.00	Aa2	2,345,274
	Maryland Community Development Administration, Department of Housing and Community Development, Residential Revenue Bonds, Series 2006:			
600	4.750%, 9/01/25 (Alternative Minimum Tax) (UB)	9/15 at 100.00	Aa2	611,340
4,100	4.875%, 9/01/26 (Alternative Minimum Tax) (UB)	3/16 at 100.00	Aa2	4,203,320
1,150	4.900%, 9/01/26 (Alternative Minimum Tax) (UB)	9/15 at 100.00	Aa2	1,175,909
1,630	4.900%, 9/01/31 (Alternative Minimum Tax) (UB) Maryland Community Development Administration, Department of Housing and Community Development, Residential Revenue Bonds, Series 2007:	9/16 at 100.00	Aa2	1,667,996
650	5.000%, 9/01/27 (Alternative Minimum Tax) (UB)	3/17 at 100.00	Aa2	671,626
1,200	4.850%, 9/01/37 (Alternative Minimum Tax) (UB)	3/17 at 100.00	Aa2	1,214,616
265	Puerto Rico Housing Finance Authority, Mortgage-Backed Securities Program Home Mortgage	6/13 at 100.00	Aaa	266,359

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	Revenue Bonds, Series 2003A, 4.875%, 6/01/34 (Alternative Minimum Tax)			
18,160	Total Housing/Single Family Industrials – 2.6% (1.8% of Total Investments)			18,667,550
2,150	Maryland Economic Development Corporation, Economic Development Revenue Bonds, Transportation Facilities Project, Series 2010A, 5.750%, 6/01/35	6/20 at 100.00	Baa3	2,274,184
2,010	Maryland Economic Development Corporation, Solid Waste Disposal Revenue Bonds, Waste Management Inc., Series 2002, 4.600%, 4/01/16 (Alternative Minimum Tax)	4/12 at 101.00	BBB	2,036,994
4,160	Total Industrials Long-Term Care – 5.4% (3.7% of Total Investments)			4,311,178
2,455	Baltimore County, Maryland, Revenue Bonds, Oak Crest Village, Series 2007A, 5.000%, 1/01/37	1/17 at 100.00	BBB+	2,476,359
1,000	Carroll County, Maryland, Revenue Refunding Bonds, EMA Obligated Group, Series 1999A, 5.625%, 1/01/25 – RAAI Insured	7/12 at 100.00	BB–	964,240
995	Gaithersburg, Maryland, Economic Development Revenue Bonds, Asbury Methodist Homes Inc., Series 2009B, 6.000%, 1/01/23	1/20 at 100.00	N/R	1,101,604
3,000	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Charlestown Community Issue, Series 2010, 6.250%, 1/01/45	1/21 at 100.00	N/R	3,359,430
1,065	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Mercy Ridge Retirement Community, Series 2007, 4.750%, 7/01/34	7/17 at 100.00	A–	1,072,679
8,515	Total Long-Term Care Tax Obligation/General – 9.8% (6.6% of Total Investments)			8,974,312
2,030	Anne Arundel County, Maryland, General Obligation Bonds, Series 2004, 5.000%, 4/01/16	4/14 at 100.00	AAA	2,212,456
1,000	Anne Arundel County, Maryland, General Obligation Bonds, Series 2006, 5.000%, 3/01/21	3/16 at 100.00	AAA	1,151,520
685	Anne Arundel County, Maryland, Water and Sewer Revenue Bonds, Series 2006, 5.000%, 3/01/17	3/16 at 100.00	AAA	802,094
1,200	Baltimore, Maryland, General Obligation Bonds, Consolidated Public Improvements, Series 2011A, 5.000%, 10/15/30	10/21 at 100.00	Aa2	1,403,184
1,540	Baltimore, Maryland, General Obligation Consolidated Public Improvement Bonds, Series 2004A, 5.000%, 10/15/22 – AMBAC Insured	10/14 at 100.00	Aa2	1,706,489
700	Carroll County, Maryland, Consolidated Public Improvement Bonds, Series 2005A, 5.000%, 12/01/16	12/15 at 100.00	AA+	818,188
	Charles County, Maryland, Consolidated General Obligation Public Improvement Bonds, Series 2006:			
2,185	5.000%, 3/01/14	No Opt. Call	Aa1	2,395,831
820	5.000%, 3/01/16	No Opt. Call	Aa1	963,730
1,190			AAA	1,286,521

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	Maryland National Capital Park Planning Commission, Prince George's County, General Obligation Bonds, Park Acquisition and Development, Series 2004EE-2, 5.000%, 1/15/17	1/14 at 100.00		
3,000	Montgomery County, Maryland, Consolidated General Obligation Public Improvement Bonds, Series 2005A, 5.000%, 7/01/15	No Opt. Call	AAA	3,452,370
14,350	Total Tax Obligation/General Tax Obligation/Limited – 16.8% (11.4% of Total Investments)			16,192,383
380	Anne Arundel County, Maryland, Special Obligation Bonds, National Business Park – North Project, Series 2010, 6.100%, 7/01/40	7/18 at 102.00	N/R	393,638
300	Baltimore, Maryland, Special Obligation Bonds, North Locust Point Project, Series 2005, 5.500%, 9/01/34	9/15 at 101.00	N/R	301,185
340	Frederick County, Maryland, Lake Linganore Village Community Development Special Obligation Bonds, Series 2001A, 5.700%, 7/01/29 – RAAI Insured	7/12 at 100.00	N/R	340,500
	Fredrick County, Maryland, Special Obligation Bonds, Urbana Community Development Authority, Series 2010A:			
2,300	5.000%, 7/01/30	7/20 at 100.00	A–	2,491,291
1,000	5.000%, 7/01/40	7/20 at 100.00	A–	1,046,780
900	Hyattsville, Maryland, Special Obligation Bonds, University Town Center Project, Series 2004, 5.750%, 7/01/34	7/14 at 102.00	N/R	901,629
4,250	Maryland Department of Transportation, Consolidated Transportation Revenue Bonds, Series 2002, 5.500%, 2/01/16	No Opt. Call	AAA	5,072,120
1,700	Maryland Stadium Authority, Lease Revenue Bonds, Montgomery County Conference Center Facilities, Series 2003, 5.000%, 6/15/24	6/13 at 100.00	AA+	1,789,590
675	Montgomery County, Maryland, Special Obligation Bonds, West Germantown Development District, Senior Series 2002A, 5.500%, 7/01/27 – RAAI Insured	7/12 at 101.00	A2	682,945
400	Prince George's County, Maryland, Special Obligation Bonds, National Harbor Project, Series 2005, 5.200%, 7/01/34	7/15 at 100.00	N/R	391,184
	Puerto Rico Highway and Transportation Authority, Highway Revenue Bonds, Series 2007N:			
1,000	5.500%, 7/01/29 – AMBAC Insured	No Opt. Call	Baa1	1,130,430
3,500	5.250%, 7/01/31 – AMBAC Insured	No Opt. Call	Baa1	3,810,310
1,000	5.250%, 7/01/33 – NPMFG Insured	No Opt. Call	Baa1	1,094,160
1,500	Puerto Rico Infrastructure Financing Authority, Special Tax Revenue Bonds, Series 2005C, 5.500%, 7/01/26 – AMBAC Insured	No Opt. Call	BBB+	1,686,780

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2,100	Puerto Rico Municipal Finance Agency, Series 2002A, 5.250%, 8/01/21 – AGM Insured Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, First Subordinate Series 2010A:	8/12 at 100.00	AA–	2,117,052
1,425	5.375%, 8/01/39	2/20 at 100.00	A+	1,542,292
200	5.500%, 8/01/42	2/20 at 100.00	A+	217,994
3,000	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, Series 2007A, 0.000%, 8/01/41 – NPFPG Insured	No Opt. Call	Aa2	605,280
270	Puerto Rico, Highway Revenue Bonds, Highway and Transportation Authority, Series 2003AA, 5.500%, 7/01/19 – NPFPG Insured	No Opt. Call	A3	310,986
765	Puerto Rico, Highway Revenue Bonds, Highway and Transportation Authority, Series 2007CC, 5.500%, 7/01/28 – NPFPG Insured	No Opt. Call	A3	869,484
1,000	Virgin Islands Public Finance Authority, Matching Fund Loan Notes Revenue Bonds, Subordinate Lien Series 2010B, 5.250%, 10/01/29	10/20 at 100.00	Baa2	1,060,580
28,005	Total Tax Obligation/Limited Transportation – 4.2% (2.8% of Total Investments)			27,856,210
1,060	Baltimore, Maryland, Revenue Refunding Bonds, Parking System Facilities, Series 1998A, 5.250%, 7/01/17 – FGIC Insured	No Opt. Call	A1	1,201,976
265	Guam International Airport Authority, Revenue Bonds, Series 2003A, 5.250%, 10/01/21 – NPFPG Insured	10/13 at 100.00	BBB	272,023
4,335	Maryland Transportation Authority, Revenue Bonds, Transportation Facilities Projects, Series 2007, 5.000%, 7/01/30 – AGM Insured (UB)	7/17 at 100.00	AA–	4,826,329
2,075	Puerto Rico Ports Authority, Special Facilities Revenue Bonds, American Airlines Inc., Series 1996A, 6.250%, 6/01/26 (Alternative Minimum Tax) (4)	6/12 at 100.00	N/R	571,953
7,735	Total Transportation U.S. Guaranteed – 25.9% (17.5% of Total Investments) (5)			6,872,281
2,000	Baltimore, Maryland, Revenue Refunding Bonds, Water Projects, Series 1998A, 5.000%, 7/01/28 – FGIC Insured (ETM)	No Opt. Call	AA (5)	2,429,780
2,000	Baltimore, Maryland, Revenue Refunding Bonds, Water System Projects, Series 1994A, 5.000%, 7/01/24 – FGIC Insured (ETM)	No Opt. Call	AA (5)	2,607,240
1,245	Baltimore, Maryland, Wastewater Project Revenue Bonds, Series 2006C, 5.000%, 7/01/31 (Pre-refunded 7/01/16) – AMBAC Insured	7/16 at 100.00	AA (5)	1,478,960
510	Gaithersburg, Maryland, Hospital Facilities Revenue Refunding and Improvement Bonds, Shady Grove Adventist Hospital, Series 1995, 6.500%, 9/01/12 – AGM Insured (ETM)	No Opt. Call	AA– (5)	525,647

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Howard County, Maryland, General Obligation Consolidated Public Improvement Bonds, Series 2004B:

1,625	5.000%, 8/15/17 (Pre-refunded 2/15/14)	2/14 at 100.00	AAA	1,775,735
1,180	5.000%, 8/15/19 (Pre-refunded 2/15/14) Maryland Economic Development Corporation, Lease Revenue	2/14 at 100.00	AAA	1,289,457
1,875	Bonds, Department of Transportation Headquarters Building, Series 2002, 5.375%, 6/01/19 (Pre-refunded 6/01/12)	6/12 at 100.50	Aaa	1,909,219
915	Maryland Economic Development Corporation, Student Housing Revenue Bonds, Collegiate Housing Foundation – Salisbury State University, Series 1999A, 6.000%, 6/01/19 (Pre-refunded 6/01/12)	6/12 at 100.00	Baa3 (5)	915,000
3,200	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Helix Health, Series 1997, 5.000%, 7/01/27 – AMBAC Insured (ETM)	No Opt. Call	N/R (5)	3,946,016
3,125	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Howard County General Hospital, Series 1993, 5.500%, 7/01/25 (ETM)	5/12 at 100.00	Aaa	3,474,250
2,040	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, LifeBridge Health System, Series 2004A, 5.125%, 7/01/34 (Pre-refunded 7/01/14)	7/14 at 100.00	A2 (5)	2,262,380
1,500	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, University of Maryland Medical System, Series 2002, 6.000%, 7/01/22 (Pre-refunded 7/01/12)	7/12 at 100.00	A (5)	1,529,475
135	Maryland Transportation Authority, Revenue Refunding Bonds, Transportation Facilities Projects, First Series 1978, 6.800%, 7/01/16 – AMBAC Insured (ETM)	No Opt. Call	AAA	153,930
1,000	Montgomery County, Maryland, Lease Revenue Bonds, Metrorail Garage, Series 2002, 5.000%, 6/01/21 (Pre-refunded 6/01/12)	6/12 at 100.00	AA (5)	1,012,480
2,000	Prince George’s County, Maryland, General Obligation Consolidated Public Improvement Bonds, Series 2002, 4.100%, 9/15/19 (Pre-refunded 9/15/12)	9/12 at 101.00	AAA	2,063,160
5,770	Prince George’s County, Maryland, General Obligation Consolidated Public Improvement Bonds, Series 2003A, 5.000%, 10/01/18 (Pre-refunded 10/01/13)	10/13 at 100.00	AAA	6,206,731
1,000	Puerto Rico, Highway Revenue Bonds, Highway and Transportation Authority, Series 1996Y, 5.500%, 7/01/36 (Pre-refunded 7/01/16)	7/16 at 100.00	Aaa	1,222,290
1,230	Puerto Rico, Highway Revenue Bonds, Highway and Transportation Authority, Series 2003AA, 5.500%, 7/01/19 – NPFG Insured (ETM)	No Opt. Call	A3 (5)	1,585,495
2,000	Washington Suburban Sanitary District, Montgomery and Prince George’s Counties, Maryland, Sewerage Disposal Bonds, Series 2005: 5.000%, 6/01/16 (Pre-refunded 6/01/15)		AAA	2,290,740

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		6/15 at 100.00		
1,235	5.000%, 6/01/23 (Pre-refunded 6/01/15)	6/15 at 100.00	AAA	1,414,532
1,235	5.000%, 6/01/24 (Pre-refunded 6/01/15)	6/15 at 100.00	AAA	1,414,532
1,235	5.000%, 6/01/25 (Pre-refunded 6/01/15)	6/15 at 100.00	AAA	1,414,532
38,055	Total U.S. Guaranteed Utilities – 3.7% (2.5% of Total Investments)			42,921,581
2,500	Maryland Energy Financing Administration, Revenue Bonds, AES Warrior Run Project, Series 1995, 7.400%, 9/01/19 (Alternative Minimum Tax)	9/19 at 100.00	N/R	2,515,248
3,500	Puerto Rico Electric Power Authority, Power Revenue Bonds, Series 2004PP, 5.000%, 7/01/22 – FGIC Insured	7/14 at 100.00	A3	3,654,803
6,000	Total Utilities Water and Sewer – 4.7% (3.2% of Total Investments)			6,170,051
100	Baltimore, Maryland, Revenue Refunding Bonds, Wastewater Projects, Series 2002A, 5.125%, 7/01/42 – NPPG Insured	7/12 at 100.00	AA	101,269
1,045	Baltimore, Maryland, Revenue Refunding Bonds, Water System Projects, Series 1994A, 5.000%, 7/01/24 – FGIC Insured	No Opt. Call	AA	1,253,791
1,655	Baltimore, Maryland, Wastewater Project Revenue Bonds, Series 2006C, 5.000%, 7/01/31 – AMBAC Insured	7/16 at 100.00	AA	1,833,194
1,260	Baltimore, Maryland, Wastewater Project Revenue Bonds, Series 2007D, 5.000%, 7/01/32 – AMBAC Insured	7/17 at 100.00	AA	1,383,745
2,000	Baltimore, Maryland, Wastewater Project Revenue Bonds, Series 2011A, 5.000%, 7/01/41	No Opt. Call	AA	2,261,818
860	Maryland Water Quality Financing Administration, Revolving Loan Fund Revenue Bonds, Series 2005A, 5.000%, 9/01/15	No Opt. Call	AAA	995,319
6,920	Total Water and Sewer			7,829,136
\$				
305,075	Total Investments (cost \$227,710,555) – 148.0%			244,940,837
	Floating Rate Obligations – (6.0)%			(9,927,000)
	MuniFund Term Preferred Shares, at Liquidation Value – (45.1)% (6)			(74,593,000)
	Other Assets Less Liabilities – 3.1%			5,033,565
				\$
	Net Assets Applicable to Common Shares – 100%			165,454,402

Fair Value Measurements

Fair value is defined as the price that the Fund would receive upon selling an investment or transferring a liability in an orderly transaction to an independent buyer in the principal or most advantageous market for the investment. A three-tier hierarchy is used to maximize the use of observable market data and minimize the use of unobservable inputs and to establish classification of fair value measurements for disclosure purposes. Observable inputs reflect the assumptions market participants would use in pricing the asset or liability. Observable inputs are based on market data obtained from sources independent of the reporting entity. Unobservable inputs reflect the reporting entity's own assumptions about the assumptions market participants would use in pricing the asset or liability. Unobservable inputs are based on the best information available in the circumstances. The three-tier hierarchy of inputs is summarized in the three broad levels listed below:

Level 1 – Quoted prices in active markets for identical securities.

Level 2 – Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3 – Significant unobservable inputs (including management's assumptions in determining the fair value of investments).

The inputs or methodologies used for valuing securities are not an indication of the risk associated with investing in those securities. The following is a summary of the Fund's fair value measurements as of February 29, 2012:

	Level 1	Level 2	Level 3	Total
Investments:				
Municipal Bonds	\$—	\$244,940,837	\$—	\$244,940,837

The following is a reconciliation of the Fund's Level 3 investments held at the beginning and end of the measurement period:

	Level 3 Municipal Bonds
Balance at the beginning of period	\$457,636
Gains (losses):	
Net realized gains (losses)	6,970
Net change in unrealized appreciation (depreciation)	100,634
Purchases at cost	—
Sales at proceeds	(70,000)
Net discounts (premiums)	510
Transfers in to	—
Transfers out of	(495,750)
Balance at the end of period	\$—

During the period ended February 29, 2012, the Fund recognized no significant transfers to or from Level 1 or Level 2. Transfers in and/or out of Level 3 are shown using end of period values.

Income Tax Information

The following information is presented on an income tax basis. Differences between amounts for financial statement and federal income tax purposes are primarily due to timing differences in recognizing taxable market discount, timing differences in recognizing certain gains and losses on investment transactions and the treatment of investments in inverse floating rate securities reflected as financing transactions, if any. To the extent that differences arise that are permanent in nature, such amounts are reclassified within the capital accounts on the Statement of Assets and Liabilities presented in the annual report, based on their federal tax basis treatment; temporary differences do not require reclassification. Temporary and permanent differences do not impact the net asset value of the Fund.

At February 29, 2012, the cost of investments was \$218,608,898.

Gross unrealized appreciation and gross unrealized depreciation of investments at February 29, 2012, were as follows:

Gross unrealized:	
Appreciation	\$20,175,552
Depreciation	(3,769,943)
Net unrealized appreciation (depreciation) of investments	\$16,405,609

- (1) All percentages shown in the Portfolio of Investments are based on net assets applicable to Common shares unless otherwise noted.
 - (2) Optional Call Provisions: Dates (month and year) and prices of the earliest optional call or redemption. There may be other call provisions at varying prices at later dates. Certain mortgage-backed securities may be subject to periodic principal paydowns.
 - (3) Ratings: Using the highest of Standard & Poor's Group ("Standard & Poor's"), Moody's Investors Service, Inc. ("Moody's") or Fitch, Inc. ("Fitch") rating. Ratings below BBB by Standard & Poor's, Baa by Moody's or BBB by Fitch are considered to be below investment grade. Holdings designated N/R are not rated by any of these national rating agencies.
 - (4) At or subsequent to the end of the reporting period, this security is non-income producing. Non-income producing security, in the case of a bond, generally denotes that the issuer has (1) defaulted on the payment of principal or interest, (2) is under the protection of the Federal Bankruptcy Court or (3) the Fund's Adviser has concluded that the issue is not likely to meet its future interest payment obligations and has directed the Fund's custodian to cease accruing additional income on the Fund's records.
 - (5) Backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities, which ensure the timely payment of principal and interest. Certain bonds backed by U.S. Government or agency securities are regarded as having an implied rating equal to the rating of such securities.
 - (6) MuniFund Term Preferred Shares, at Liquidation Value as a percentage of Total Investments is 30.5%.
- N/R Not rated.
 (ETM) Escrowed to maturity.
 (IF) Inverse floating rate investment.
 (UB) Underlying bond of an inverse floating rate trust reflected as a financing transaction.

Item 2. Controls and Procedures.

- 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") (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934 (17 CFR 240.13a-15(b) or 240.15d-15(b)).

- 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 (17 CFR 270.30a-3(d))) 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.

File as exhibits as part of this Form a separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act (17 CFR 270.30a-2(a)), exactly as set forth below: See EX-99 CERT attached hereto.

SIGNATURES

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.

(Registrant) Nuveen Maryland Premium Income Municipal Fund

By (Signature and Title) /s/ Kevin J. McCarthy
Kevin J. McCarthy
Vice President and Secretary

Date April 27, 2012

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 (Signature and Title) /s/ Gifford R. Zimmerman
Gifford R. Zimmerman
Chief Administrative Officer (principal executive officer)

Date April 27, 2012

By (Signature and Title) /s/ Stephen D. Foy
Stephen D. Foy
Vice President and Controller (principal financial officer)

Date April 27, 2012