

NUVEEN MARYLAND PREMIUM INCOME MUNICIPAL FUND  
Form N-Q  
October 29, 2010

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: 8/31/10

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)			
August 31, 2010			
Principal Amount	Description (1)	Optional Call Provisions	Value
(000)		(2) Ratings (3)	
	Consumer Discretionary – 2.7% (1.8% 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	Baa3 \$ 23,949
4,825	5.250%, 9/01/39 – SYNCORA GTY Insured	9/16 at 100.00	Baa3 4,416,805
4,850	Total Consumer Discretionary		4,440,754
	Consumer Staples – 1.6% (1.1% of Total Investments)		
	Puerto Rico, The Children’s Trust Fund, Tobacco Settlement	5/12 at	
2,615	Asset-Backed Refunding Bonds, Series 2002, 5.375%, 5/15/33	100.00	BBB 2,602,893
	Education and Civic Organizations – 16.8% (11.3% 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	BBB– 1,249,125
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+ 1,013,630
1,000	Maryland Economic Development Corporation, Utility Infrastructure Revenue Bonds, University of Maryland – College Park, Series 2001:		
980	5.375%, 7/01/15 – AMBAC Insured	7/11 at 100.00	N/R 1,012,428
980	5.375%, 7/01/16 – AMBAC Insured	7/11 at 100.00	N/R 1,012,428
330	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Patterson Park Public Charter School Issue, Series 2010, 6.000%, 7/01/40	7/20 at 100.00	BBB– 342,563
	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Bullis School, Series 2000:		
750	5.250%, 7/01/25 – AGM Insured	1/11 at 101.00	AAA 761,498
500	5.250%, 7/01/30 – AGM Insured	1/11 at 101.00	AAA 506,840
1,250	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Goucher College,	7/14 at 100.00	A– 1,267,475

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	Series 2004, 5.125%, 7/01/34			
1,430	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Johns Hopkins University, Series 2004, Inverse 1003, 13.147%, 1/01/13 (IF)	No Opt. Call	AA	1,667,452
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	1,845,294
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	1,515,778
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 – NPMF Insured	No Opt. Call	Aa3	11,502,593
1,685	University of Maryland, Auxiliary Facility and Tuition Revenue Bonds, Series 2006A, 5.000%, 10/01/22	10/16 at 100.00	AA+	1,924,388
910	Westminster, Maryland, Educational Facilities Revenue Bonds, McDaniel College, Series 2006: 5.000%, 11/01/31	11/16 at 100.00	BBB+	920,037
850	4.500%, 11/01/36	11/16 at 100.00	BBB+	785,961
24,550	Total Education and Civic Organizations Health Care – 26.8% (18.0% of Total Investments)			27,327,490
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	3,115,939
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	567,051
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–	1,555,185
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	1,581,303
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	3,320,460
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	403,596
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	1,422,543
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	1,714,840
1,400	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Frederick Memorial	7/12 at 100.00	Baa1	1,391,138

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	Hospital, Series 2002, 5.125%, 7/01/35			
1,500	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Greater Baltimore Medical Center, Series 2001, 5.000%, 7/01/34	7/11 at 100.00	A+	1,504,515
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 – NPPFG Insured	1/11 at 100.00	A	1,001,180
2,000	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Kaiser Permanente System, Series 1998A, 5.375%, 7/01/15	1/11 at 100.50	A+	2,014,680
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	3,820,444
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	AAA	1,257,274
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	1,832,635
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+	3,427,406
	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Mercy Medical Center Project, Series 2007A:			
1,010	5.000%, 7/01/37	7/17 at 100.00	BBB	973,802
670	5.500%, 7/01/42	7/17 at 100.00	BBB	675,635
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	1,752,751
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	Aa3	2,013,791
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	3,305,998
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	1,021,370
3,395	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Washington County Hospital, Series 2008, 5.750%, 1/01/38	1/18 at 100.00	BBB–	3,474,137
295	Prince George’s County, Maryland, Revenue Bonds, Dimensions Health Corporation, Series 1994: 5.375%, 7/01/14 (4)		B3	269,881

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		1/11 at		
		100.00		
		1/11 at		
295	5.300%, 7/01/24 (4)	100.00	B3	204,730
43,085	Total Health Care			43,622,284
	Housing/Multifamily – 12.3% (8.3% of Total Investments)			
	Anne Arundel County, Maryland, FNMA Multifamily Housing	1/20 at		
2,065	Revenue Bonds, Glenview Gardens	102.00	AAA	2,152,019
	Apartments Project, Series 2009, 5.000%, 1/01/28 (Mandatory put			
	1/01/27)			
	Maryland Community Development Administration, FNMA	2/11 at		
1,450	Multifamily Development Revenue Bonds,	101.00	Aaa	1,474,998
	Edgewater Village Apartments, Series 2000B, 5.800%, 8/01/20			
	(Alternative Minimum Tax)			
	Maryland Community Development Administration, Housing	1/11 at		
2,500	Revenue Bonds, Series 1999A, 5.350%,	100.00	Aa2	2,503,750
	7/01/41 (Alternative Minimum Tax)			
	Maryland Community Development Administration, Housing	1/11 at		
880	Revenue Bonds, Series 1999B, 6.250%,	100.00	Aa2	881,021
	7/01/32 (Alternative Minimum Tax)			
	Maryland Economic Development Corporation, Senior Lien Student	10/13 at		
1,000	Housing Revenue Bonds,	100.00	B3	765,700
	University of Maryland – Baltimore, Series 2003A, 5.625%,			
	10/01/23			
	Maryland Economic Development Corporation, Student Housing	12/10 at		
1,000	Revenue Bonds, Collegiate Housing	101.90	Baa3	1,019,540
	Foundation – Salisbury State University, Series 1999A, 6.000%,			
	6/01/19			
	Maryland Economic Development Corporation, Student Housing	6/16 at		
1,145	Revenue Refunding Bonds, University	100.00	Baa2	1,140,283
	of Maryland College Park Projects, Series 2006, 5.000%, 6/01/33 –			
	CIFG Insured			
	Montgomery County Housing Opportunities Commission,	1/11 at		
3,830	Maryland, FNMA/FHA-Insured Multifamily	100.00	Aaa	3,832,719
	Housing Development Bonds, Series 1998A, 5.200%, 7/01/30			
	Montgomery County Housing Opportunities Commission,	1/11 at		
360	Maryland, GNMA/FHA-Insured Multifamily	100.00	Aa2	360,979
	Housing Revenue Bonds, Series 1995A, 5.900%, 7/01/15			
	Montgomery County Housing Opportunities Commission,	1/11 at		
2,000	Maryland, Multifamily Housing Development	100.00	Aaa	2,002,480
	Bonds, Series 2000A, 6.100%, 7/01/30			
	Prince George’s County Housing Authority, Maryland, GNMA	9/10 at		
540	Collateralized Mortgage Revenue	101.00	AAA	546,032
	Bonds, University Landing Apartments, Series 1999, 6.100%,			
	3/20/41 (Alternative Minimum Tax)			
	Prince George’s County Housing Authority, Maryland, GNMA			
	Collateralized Mortgage Revenue			
	Refunding Bonds, Overlook Apartments, Series 1995A:			
		12/10 at		
1,645	5.700%, 12/20/15	100.00	AA+	1,649,442
1,670	5.750%, 12/20/19		AA+	1,673,240

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		12/10 at 100.00		
20,085	Total Housing/Multifamily			20,002,203
	Housing/Single Family – 11.0% (7.4% of Total Investments)			
2,510	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	2,673,527
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	3,066,090
	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	609,066
4,100	4.875%, 9/01/26 (Alternative Minimum Tax) (UB)	3/16 at 100.00	Aa2	4,174,170
1,195	4.900%, 9/01/26 (Alternative Minimum Tax) (UB)	9/15 at 100.00	Aa2	1,215,279
1,630	4.900%, 9/01/31 (Alternative Minimum Tax) (UB)	9/16 at 100.00	Aa2	1,659,666
	Maryland Community Development Administration, Department of Housing and Community Development, Residential Revenue Bonds, Series 2007:			
650	5.000%, 9/01/27 (Alternative Minimum Tax) (UB)	3/17 at 100.00	Aa2	666,666
1,200	4.850%, 9/01/37 (Alternative Minimum Tax) (UB)	3/17 at 100.00	Aa2	1,208,640
2,330	Maryland Community Development Administration, Department of Housing and Community Development, Residential Revenue Bonds, Series 2005, 4.900%, 9/01/36 (Alternative Minimum Tax) (UB)	9/14 at 100.00	Aa2	2,338,132
290	Puerto Rico Housing Finance Authority, Mortgage-Backed Securities Program Home Mortgage Revenue Bonds, Series 2003A, 4.875%, 6/01/34 (Alternative Minimum Tax)	6/13 at 100.00	AAA	290,754
17,505	Total Housing/Single Family			17,901,990
	Industrials – 2.6% (1.8% of Total Investments)			
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	2,257,801
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	2,042,220
4,160	Total Industrials			4,300,021
	Long-Term Care – 3.3% (2.2% of Total Investments)			
2,455	Baltimore County, Maryland, Revenue Bonds, Oak Crest Village, Series 2007A, 5.000%, 1/01/37	1/17 at 100.00	BBB+	2,317,667
1,000			BB-	901,160

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	Carroll County, Maryland, Revenue Refunding Bonds, EMA Obligated Group, Series 1999A, 5.625%, 1/01/25 – RAAI Insured	1/11 at 100.00		
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	1,069,943
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-	1,038,226
5,515	Total Long-Term Care Tax Obligation/General – 28.2% (19.0% of Total Investments)			5,326,996
2,030	Anne Arundel County, Maryland, General Obligation Bonds, Series 2004, 5.000%, 4/01/16	4/14 at 100.00	AAA	2,313,408
1,000	Anne Arundel County, Maryland, General Obligation Bonds, Series 2006, 5.000%, 3/01/21	3/16 at 100.00	AAA	1,152,140
685	Anne Arundel County, Maryland, Water and Sewer Revenue Bonds, Series 2006, 5.000%, 3/01/17	3/16 at 100.00	AAA	808,896
	Baltimore County, Maryland, Metropolitan District Special Assessment Bonds, 67th Issue:			
2,500	5.000%, 6/01/25	6/11 at 101.00	AAA	2,615,575
3,500	5.000%, 6/01/26	6/11 at 101.00	AAA	3,661,805
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	1,735,565
700	Carroll County, Maryland, Consolidated Public Improvement Bonds, Series 2005A, 5.000%, 12/01/16	12/15 at 100.00	AA+	831,446
	Charles County, Maryland, Consolidated General Obligation Public Improvement Bonds, Series 2006:			
2,185	5.000%, 3/01/14	No Opt. Call	Aa1	2,519,873
820	5.000%, 3/01/16	No Opt. Call	Aa1	982,229
	Howard County, Maryland, General Obligation Consolidated Public Improvement Bonds, Series 2004B:			
1,625	5.000%, 8/15/17	2/14 at 100.00	AAA	1,868,133
1,180	5.000%, 8/15/19	2/14 at 100.00	AAA	1,356,552
1,725	Howard County, Maryland, General Obligation Metropolitan District Refunding Bonds, Series 2002A, 5.250%, 8/15/18	2/12 at 100.00	AAA	1,833,796
1,190	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	AAA	1,347,318
3,000	Montgomery County, Maryland, Consolidated General Obligation Public Improvement Bonds, Series	No Opt. Call	AAA	3,570,270



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2005A, 5.000%, 7/01/15

Montgomery County, Maryland, Consolidated General Obligation

Public Improvement Refunding

Bonds, Series 2001:

1,750	5.250%, 10/01/13	10/11 at 101.00	AAA	1,858,640
2,000	5.250%, 10/01/18	10/11 at 101.00	AAA	2,116,020
2,000	Prince George's County, Maryland, General Obligation Consolidated Public Improvement Bonds, Series 2002, 4.100%, 9/15/19	9/12 at 101.00	AAA	2,102,400
5,770	Prince George's County, Maryland, General Obligation Consolidated Public Improvement Bonds, Series 2003A, 5.000%, 10/01/18	10/13 at 100.00	AAA	6,450,341
	Washington Suburban Sanitary District, Montgomery and Prince George's Counties, Maryland, Sewerage Disposal Bonds, Series 2005:			
2,000	5.000%, 6/01/16	6/15 at 100.00	AAA	2,366,300
1,235	5.000%, 6/01/23	6/15 at 100.00	AAA	1,461,190
1,235	5.000%, 6/01/24	6/15 at 100.00	AAA	1,461,190
1,235	5.000%, 6/01/25	6/15 at 100.00	AAA	1,461,190
40,905	Total Tax Obligation/General Tax Obligation/Limited – 15.9% (10.7% of Total Investments)			45,874,277
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	388,417
300	Baltimore, Maryland, Special Obligation Bonds, North Locust Point Project, Series 2005, 5.500%, 9/01/34	9/15 at 101.00	N/R	288,042
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	339,191
900	Hyattsville, Maryland, Special Obligation Bonds, University Town Center Project, Series 2004, 5.750%, 7/01/34	7/14 at 102.00	N/R	870,471
	Maryland Department of Transportation, Certificates of Participation, Mass Transit Administration Project, Series 2000:			
875	5.500%, 10/15/19 (Alternative Minimum Tax)	10/10 at 101.00	AA+	885,526
925	5.500%, 10/15/20 (Alternative Minimum Tax)	10/10 at 101.00	AA+	936,220
4,250	Maryland Department of Transportation, Consolidated Transportation Revenue Bonds, Series 2002, 5.500%, 2/01/16	No Opt. Call	AAA	5,185,638
1,875	Maryland Economic Development Corporation, Lease Revenue Bonds, Department of Transportation	6/12 at 100.50	AAA	2,031,731

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	Headquarters Building, Series 2002, 5.375%, 6/01/19			
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+	1,865,563
1,000	Montgomery County, Maryland, Lease Revenue Bonds, Metrorail Garage, Series 2002, 5.000%, 6/01/21	6/12 at 100.00	AA	1,072,160
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	A+	678,206
635	New Baltimore City Board of School Commissioners, Maryland, School System Revenue Bonds, Series 2000, 5.125%, 11/01/15	11/10 at 100.00	AA+	640,156
1,000	Puerto Rico Highway and Transportation Authority, Highway Revenue Bonds, Series 2007N: 5.500%, 7/01/29 – AMBAC Insured	No Opt. Call	A3	1,130,140
2,500	5.250%, 7/01/31 – AMBAC Insured	No Opt. Call	A3	2,733,800
1,000	5.250%, 7/01/33 – NPFPG Insured	No Opt. Call	A	1,080,840
2,100	Puerto Rico Municipal Finance Agency, Series 2002A, 5.250%, 8/01/21 – AGM Insured	8/12 at 100.00	AAA	2,243,556
1,425	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, First Subordinate Series 2010A: 5.375%, 8/01/39	2/20 at 100.00	A+	1,505,228
200	5.500%, 8/01/42	2/20 at 100.00	A+	212,522
1,500	Puerto Rico, Highway Revenue Bonds, Highway and Transportation Authority, Series 2003AA, 5.500%, 7/01/19 – NPFPG Insured	No Opt. Call	A	1,702,395
23,580	Total Tax Obligation/Limited Transportation – 4.8% (3.2% of Total Investments)			25,789,802
1,060	Baltimore, Maryland, Revenue Refunding Bonds, Parking System Facilities, Series 1998A, 5.250%, 7/01/17 – FGIC Insured	No Opt. Call	A1	1,213,997
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	AAA	4,769,844
2,075	Puerto Rico Ports Authority, Special Facilities Revenue Bonds, American Airlines Inc., Series 1996A, 6.250%, 6/01/26 (Alternative Minimum Tax)	12/10 at 100.00	CCC+	1,780,869
7,470	Total Transportation U.S. Guaranteed – 15.6% (10.5% of Total Investments) (5)			7,764,710
2,000	Baltimore, Maryland, Revenue Refunding Bonds, Water Projects, Series 1998A, 5.000%, 7/01/28 – FGIC Insured (ETM)	No Opt. Call	AA (5)	2,349,220
2,000	Baltimore, Maryland, Revenue Refunding Bonds, Water System Projects, Series 1994A, 5.000%,	No Opt. Call	AAA	2,484,780

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	7/01/24 – FGIC Insured (ETM)			
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)	1,500,225
990	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	AAA	1,048,380
575	Howard County, Maryland, General Obligation Consolidated Public Improvement Refunding Bonds, Series 2002A, 5.250%, 8/15/18 (Pre-refunded 2/15/12)	2/12 at 100.00	AAA	616,831
	Maryland Economic Development Corporation, Health and Mental Hygiene Providers Revenue Bonds, Series 1996A:			
810	7.625%, 4/01/21 (Pre-refunded 4/01/11)	4/11 at 102.00	N/R (5)	857,879
585	7.625%, 4/01/21 (Pre-refunded 4/01/11)	4/11 at 102.00	N/R (5)	619,579
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)	3,834,176
3,125	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Howard County General Hospital, Series 1993, 5.500%, 7/01/25 (ETM)	1/11 at 100.00	Aaa	3,610,188
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)	2,366,114
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)	1,653,135
155	Maryland Transportation Authority, Revenue Refunding Bonds, Transportation Facilities Projects, First Series 1978, 6.800%, 7/01/16 (ETM)	No Opt. Call	AAA	182,807
1,000	Puerto Rico Infrastructure Financing Authority, Special Obligation Bonds, Series 2000A, 5.500%, 10/01/20 (Pre-refunded 10/01/10)	10/10 at 101.00	AAA	1,014,420
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	1,236,140
2,000	Virgin Islands Public Finance Authority, Gross Receipts Taxes Loan Note, Series 1999A, 6.500%, 10/01/24 (Pre-refunded 10/01/10)	10/10 at 101.00	BBB+ (5)	2,030,360
22,225	Total U.S. Guaranteed Utilities – 3.8% (2.5% of Total Investments)			25,404,234
2,500	Maryland Energy Financing Administration, Revenue Bonds, AES Warrior Run Project, Series 1995, 7.400%, 9/01/19 (Alternative Minimum Tax)	9/10 at 100.00	N/R	2,501,550
3,500	Puerto Rico Electric Power Authority, Power Revenue Bonds, Series 2004PP, 5.000%, 7/01/22 – FGIC Insured	7/14 at 100.00	A	3,674,475

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6,000	Total Utilities				6,176,025
	Water and Sewer – 3.3% (2.2% of Total Investments)				
1,045	Baltimore, Maryland, Revenue Refunding Bonds, Water System Projects, Series 1994A, 5.000%, 7/01/24 – FGIC Insured	No Opt. Call	AA		1,266,278
1,655	Baltimore, Maryland, Wastewater Project Revenue Bonds, Series 2006C, 5.000%, 7/01/31 – AMBAC Insured	7/16 at 100.00	AA		1,791,685
1,260	Baltimore, Maryland, Wastewater Project Revenue Bonds, Series 2007D, 5.000%, 7/01/32 – AMBAC Insured	7/17 at 100.00	AA		1,339,656
860	Maryland Water Quality Financing Administration, Revolving Loan Fund Revenue Bonds, Series 2005A, 5.000%, 9/01/15	No Opt. Call	AAA		1,026,478
4,820	Total Water and Sewer				5,424,097
\$ 227,365	Total Investments (cost \$227,698,057) – 148.7%				241,957,776
	Floating Rate Obligations – (6.1)%				(9,962,000)
	MuniFund Term Preferred Shares, at Liquidation Value – (23.8)% (6)				(38,775,000)
	Other Assets Less Liabilities – 1.5%				2,444,339
	Auction Rate Preferred Shares, at Liquidation Value – (20.3)% (6)				(32,975,000)
					\$
	Net Assets Applicable to Common Shares – 100%				162,690,115

Fair Value Measurements

In determining the value of the Fund's investments, various inputs are used. These inputs are 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 August 31, 2010:

	Level 1	Level 2	Level 3	Total
Investments:				
Municipal Bonds	\$ —\$241,483,165	\$474,611	\$241,957,776	

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	\$532,963
Gains (losses):	
Net realized gains (losses)	6,538
Net change in unrealized appreciation (depreciation)	(72)
Net purchases at cost (sales at proceeds)	(65,000)
Net discounts (premiums)	182
Net transfers in to (out of) at end of period fair value	—
Balance at the end of period	\$474,611

Income Tax Information

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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 August 31, 2010, the cost of investments was \$218,693,077.

Gross unrealized appreciation and gross unrealized depreciation of investments at August 31, 2010, were as follows:

Gross unrealized:	
Appreciation	\$16,475,707
Depreciation	(3,172,373)
Net unrealized appreciation (depreciation) of investments	\$13,303,334

- (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 Investor 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) For fair value measurement disclosure purposes, investment categorized as Level 3.
  - (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. Such investments are normally considered to be equivalent to AAA rated securities.
  - (6) MuniFund Term Preferred Shares and Auction Rate Preferred Shares, at Liquidation Value as a percentage of Total Investments are 16.1% and 13.6%, respectively.
- 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.

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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 October 29, 2010

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 October 29, 2010

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

Date October 29, 2010