NUVEEN PREMIUM INCOME MUNICIPAL FUND 4 INC Form N-Q April 01, 2013

# 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 811-07432

Nuveen Premium Income Municipal Fund 4, Inc. (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: 10/31

Date of reporting period: 1/31/13

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 Premium Income Municipal Fund 4 Inc. (NPT) January 31, 2013

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
Amount (000)	Municipal Bonds – 148.2% (100.0% of Total Investments) Alabama – 3.7% (2.5% of Total Investments) Alabama Special Care Facilities Financing Authority, Birmingham, Hospital Revenue		Ratings (3)	variae
\$ 11,895	Bonds, Daughters of Charity National Health System – Providence Hospital and St. Vincent's Hospital, Series 1995, 5.000%, 11/01/25 (ETM) Alabama Special Care Facilities Financing		Aaa	\$ 11,940,915
	Authority, Revenue Bonds, Ascension	11/16 at		
5,000	Health, Series 2006C-2, 5.000%, 11/15/39 (UB) Birmingham Special Care Facilities	100.00	AA+	5,399,350
	Financing Authority, Alabama, Revenue	11/15 at		
1,000	Bonds, Baptist Health System Inc., Series 2005A, 5.000%, 11/15/30	100.00	Baa2	1,049,110
1,000	Courtland Industrial Development Board, Alabama, Pollution Control Revenue Bonds, International Paper Company, Series 2005A, 5.000%, 6/01/25	6/15 at 100.00	BBB	1,024,230
	Jefferson County, Alabama, Limited			
1,500	Obligation School Warrants, Education Tax Revenue Bonds, Series 2004A, 5.250%, 1/01/23 – AGM Insured	1/14 at 100.00	AA	1,526,625
	Selma Industrial Development Board,			
	Alabama, Gulf Opportunity Zone Revenue			
2,325	Bonds, International Paper Company Project, Series	5/20 at 100.00	BBB	2,647,106
22,720	2010A, 5.800%, 5/01/34 Total Alabama Alaska – 0.8% (0.5% of Total Investments)			23,587,336

1,665	Alaska Housing Finance Corporation, General Housing Purpose Bonds, Series 2005A, 5.000%, 12/01/30 – FGIC Insured (UB) Alaska Municipal Bond Bank Authority,	12/14 at 100.00	AA+	1,777,138
3,065	General Obligation Bonds, Series 2003E, 5.250%, 12/01/26 (Pre-refunded 12/01/13) – NPFG Insured	12/13 at 100.00	AA (4)	3,194,006
4,730	Total Alaska Arizona – 4.6% (3.1% of Total Investments) Apache County Industrial Development			4,971,144
1,300	Authority, Arizona, Pollution Control Revenue Bonds, Tucson Electric Power Company, Series 20102A, 4.500%, 3/01/30 Arizona Sports and Tourism Authority,	3/22 at 100.00	BBB	1,353,079
10,350	Senior Revenue Refunding Bonds, Multipurpose Stadium Facility Project, Series 2012A, 5.000%, 7/01/30 Arizona Tourism and Sports Authority, Tax	7/22 at 100.00	A1	11,750,459
5,000	Revenue Bonds, Multipurpose Stadium Facility Project, Series 2003A, 5.000%, 7/01/31 (Pre–refunded 7/01/13) – NPFG Insured Oro Valley, Arizona, Water Project Revenue	7/13 at 100.00	A1 (4)	5,099,350
1,665	Obligations, Refunding Senior Lien Series 2012, 4.000%, 7/01/20 Phoenix Mesa Gateway Airport Authority, Arizona, Special Facility Revenue Bonds, Mesa Project, Series 2012: 5.000%, 7/01/27 (Alternative Minimum	No Opt. Call	AA	1,908,889
400	Tax) 5.000%, 7/01/32 (Alternative Minimum	7/22 at 100.00	AA+	442,860
950	Tax) Pinal County Electrical District 3, Arizona, Electric System Revenue Bonds, Refunding	7/22 at 100.00	AA+	1,030,503
3,710	Series 2011, 5.250%, 7/01/41 Salt Verde Financial Corporation, Arizona,	7/21 at 100.00	A	4,171,042
3,000	Senior Gas Revenue Bonds, Citigroup Energy Inc Prepay Contract Obligations, Series 2007, 5.000%, 12/01/37	No Opt. Call	A-	3,448,080
26,375	Total Arizona California – 23.2% (15.6% of Total			29,204,262
1,500	Investments) ABAG Finance Authority for Non-Profit Corporations, California, Cal-Mortgage	5/20 at 100.00	A	1,713,915

	3			
	Insured Revenue			
	Bonds, Channing House, Series 2010, 6.000%, 5/15/30			
	Anaheim Public Finance Authority,			
	California, Senior Lease Bonds, Public			
8,000	Improvement Project,	9/17 at 100.00	A1	8,290,400
,	Refunding Series 2007A-1, 4.375%, 3/01/37	_		, ,
	FGIC Insured			
	California Health Facilities Financing			
	Authority, Health Facility Revenue Bonds,			
17,000	Adventist	3/13 at 100.00	A (4)	17,067,490
	Health System/West, Series 2003A, 5.000%,	,		
	3/01/33 (Pre-refunded 3/01/13)			
	California Health Facilities Financing			
	Authority, Revenue Bonds, Kaiser			
5,000	Permanante System,	4/16 at 100.00	A+	5,346,600
	Series 2006, 5.000%, 4/01/37			
	California Health Facilities Financing			
	Authority, Revenue Bonds, Sutter Health,	11/16 at		
2,900	Series 2007A,	100.00	AA-	3,159,318
	5.000%, 11/15/42 (UB)			
	California Municipal Finance Authority,			
1.005	Mobile Home Park Revenue Bonds, Caritas	0/00 . 100.00	222	1.524.020
1,385	Projects	8/20 at 100.00	BBB	1,534,829
	Series 2010A, 6.400%, 8/15/45			
	California State Public Works Board, Lease	11/10 ot		
1 220	Revenue Bonds, Various Capital Projects, Series	11/19 at 100.00	A2	1,498,709
1,220		100.00	AZ	1,498,709
	2009-I, 6.375%, 11/01/34 California State Public Works Board, Lease			
	Revenue Bonds, Various Capital Projects,			
1,500	Series	3/20 at 100.00	A2	1,758,825
1,500	2010A-1, 5.750%, 3/01/30	3/20 at 100.00	112	1,730,023
	California State Public Works Board, Lease			
	Revenue Bonds, Various Capital Projects,	10/21 at		
4,500	Series	100.00	A2	5,160,105
1,500	2011A, 5.125%, 10/01/31	100.00	112	2,100,102
	California State, General Obligation Bonds,			
19,095	Series 2005, 5.000%, 6/01/33 – CIFG Insure	d 6/15 at 100.00	A1	20,606,751
,	California State, General Obligation Bonds,			, ,
	Various Purpose Series 2010, 5.500%,			
1,000	3/01/40	3/20 at 100.00	A1	1,170,610
	California Statewide Communities			
	Development Authority, Revenue Bonds,	10/19 at		
1,030	American Baptist Homes	100.00	BBB+	1,165,981
	of the West, Series 2010, 6.250%, 10/01/39			
	California Statewide Communities			
	Development Authority, School Facility			
1,050	Revenue Bonds, Aspire	1/19 at 100.00	BB+	1,120,307
	Public Schools, Series 2010, 6.000%,			
	7/01/40			

1,000	California Statewide Community Development Authority, Revenue Bonds, Daughters of Charity Health System, Series 2005A, 5.000%, 7/01/39	7/15 at 100.00	BBB	1,030,340
1,685	California Statewide Community Development Authority, Revenue Bonds, Sutter Health, Tender Option Bond Trust 3175, 13.861%, 5/15/14 (IF)	No Opt. Call	AA-	2,600,663
4,780	Foothill/Eastern Transportation Corridor Agency, California, Toll Road Revenue Bonds, Series 1995A, 0.000%, 1/01/14 (ETM) Gavilan Joint Community College District,	No Opt. Call	Aaa	4,764,465
1,000	Santa Clara and San Benito Counties, California, General Obligation Bonds, Election of 2004 Series 2011D, 5.750%, 8/01/35	8/21 at 100.00	Aa2 &	1,225,590