

NUVEEN PREMIUM INCOME MUNICIPAL FUND 4 INC
Form N-Q
September 28, 2006

**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)

333 West Wacker Drive, Chicago, Illinois 60606

(Address of principal executive offices) (Zip code)

Jessica R. Droeger 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: 7/31/06

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)

July 31, 2006

Principal		Optional
Amount (000)	Description (1)	Provisions

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Alabama □ 3.5% (2.2% of Total Investments)

\$	5,150	Alabama 21st Century Authority, Tobacco Settlement Revenue Bonds, Series 2001, 5.750%, 12/01/16	12/11 at 100
	2,395	Alabama Housing Finance Authority, FNMA Multifamily Housing Revenue Bonds, South Bay Apartments, Series 2000K, 5.950%, 2/01/33 (Alternative Minimum Tax)	2/11 at 100
	11,895	Alabama Special Care Facilities Financing Authority, Birmingham, Hospital Revenue Bonds, Daughters of Charity National Health System □ Providence Hospital and St. Vincent's Hospital, Series 1995, 5.000%, 11/01/25 (ETM)	11/06 at 100

19,440 Total Alabama

Alaska □ 0.9% (0.5% of Total Investments)

	1,665	Alaska Housing Finance Corporation, General Housing Purpose Bonds, Series 2005A, 5.000%, 12/01/30 □ FGIC Insured	12/14 at 100
	3,065	Alaska Municipal Bond Bank Authority, General Obligation Bonds, Series 2003E, 5.250%, 12/01/26 □ MBIA Insured	12/13 at 100

4,730 Total Alaska

Arizona □ 1.6% (1.0% of Total Investments)

	5,000	Arizona Tourism and Sports Authority, Tax Revenue Bonds, Multipurpose Stadium Facility Project, Series 2003A, 5.000%, 7/01/31 □ MBIA Insured	7/13 at 100
	4,100	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System Revenue Bonds, Series 2003, 5.000%, 12/01/18 □ MBIA Insured	12/13 at 100

9,100 Total Arizona

Arkansas □ 0.0% (0.0% of Total Investments)

	30	Arkansas Development Finance Authority, FHA-Insured or VA Guaranteed Single Family Mortgage Revenue Refunding Bonds, Series 1991A, 8.000%, 8/15/11 (Pre-refunded 9/01/06)	9/06 at 100
	34	Jacksonville Residential Housing Facilities Board, Arkansas, FNMA Mortgage-Backed Securities Program Single Family Mortgage Revenue Refunding Bonds, Series 1993A-2, 7.900%, 1/01/11	1/07 at 100
	83	Lonoke County Residential Housing Facilities Board, Arkansas, FNMA Mortgage-Backed Securities Program Single Family Mortgage Revenue Refunding Bonds, Series 1993A, 7.900%, 4/01/11	10/06 at 100

147 Total Arkansas

California □ 8.9% (5.6% of Total Investments)

	1,800	California Department of Water Resources, Power Supply Revenue Bonds, Series 2002A, 5.500%, 5/01/14 □ AMBAC Insured	5/12 at 100
	17,000	California Health Facilities Financing Authority, Health Facility Revenue Bonds, Adventist Health System/West, Series 2003A, 5.000%, 3/01/33	3/13 at 100
	5,000	California Health Facilities Financing Authority, Revenue Bonds, Kaiser Permanente System, Series 2006, 5.000%, 4/01/37	4/16 at 100
	2,000	California Infrastructure Economic Development Bank, Revenue Bonds, Kaiser Hospital Assistance LLC, Series 2001A, 5.550%, 8/01/31	8/11 at 100
	12,000	California, General Obligation Bonds, Series 2003, 5.250%, 2/01/22	8/13 at 100
	4,500	California, General Obligation Bonds, Series 2004, 5.100%, 2/01/34	2/09 at 100
	4,780	Foothill/Eastern Transportation Corridor Agency, California, Toll Road Revenue Bonds, Series	No Opt.

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	1995A, 0.000%, 1/01/14 (ETM)	
1,000	Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed Bonds, Series 2003A-1, 6.750%, 6/01/39	6/13 at 100
795	Santa Clara Valley Water District, California, Water Utility System Revenue Bonds, Series 2000A, 5.000%, 6/01/18	6/10 at 100
1,945	South Gate Public Financing Authority, California, Water Revenue Refunding Bonds, Series 1996A, 6.000%, 10/01/12 ☐ FGIC Insured	No Opt.

50,820 Total California

Colorado ☐ 6.3% (4.0% of Total Investments)

6,500	Adams 12 Five Star Schools, Adams County, Colorado, General Obligation Bonds, Series 2005, 4.750%, 12/15/23 ☐ FSA Insured	12/15 at 100
2,000	Colorado Health Facilities Authority, Revenue Refunding Bonds, Catholic Health Initiatives, Series 2001, 5.250%, 9/01/21	9/11 at 100
570	Colorado Housing Finance Authority, Single Family Program Senior Bonds, Series 1999C-3, 6.750%, 10/01/21	10/09 at 100
3,040	Denver City and County, Colorado, Airport System Revenue Bonds, Series 1991D, 7.750%, 11/15/13 (Alternative Minimum Tax) Denver Convention Center Hotel Authority, Colorado, Senior Revenue Bonds, Convention Center Hotel, Series 2003A:	No Opt.
2,940	5.000%, 12/01/20 (Pre-refunded 12/01/13) ☐ XLCA Insured	12/13 at 100
10,000	5.000%, 12/01/33 (Pre-refunded 12/01/13) ☐ XLCA Insured	12/13 at 100
4,345	El Paso County School District 20, Academy, Colorado, General Obligation Bonds, Series 2002, 5.250%, 12/15/17 ☐ FGIC Insured	12/12 at 100
755	Jefferson County School District R1, Colorado, General Obligation Bonds, Series 2004, 5.000%, 12/15/22 ☐ FSA Insured	12/14 at 100
4,125	Municipal Subdistrict Northern Colorado Water District, Revenue Bonds, Series 1997G, 5.250%, 12/01/15 ☐ AMBAC Insured	12/07 at 100

34,275 Total Colorado

Connecticut ☐ 0.5% (0.3% of Total Investments)

3,000	Connecticut Housing Finance Authority, Housing Mortgage Finance Program Bonds, Series 1996C-2, 6.250%, 11/15/18	11/06 at 100
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District of Columbia ☐ 4.3% (2.7% of Total Investments)

6,000	District of Columbia, General Obligation Bonds, Series 1993B-2, 5.500%, 6/01/10 ☐ FSA Insured	No Opt.
5	District of Columbia, General Obligation Bonds, Series 1993E, 6.000%, 6/01/09 ☐ CAPMAC Insured	12/06 at 100
1,200	District of Columbia, General Obligation Refunding Bonds, Series 1993A, 6.000%, 6/01/07 ☐ MBIA Insured	No Opt.
145	District of Columbia, General Obligation Refunding Bonds, Series 1993A, 6.000%, 6/01/07 ☐ MBIA Insured (ETM)	No Opt.
4,250	District of Columbia, Hospital Revenue Refunding Bonds, Medlantic Healthcare Group, Series 1993A, 5.750%, 8/15/14 ☐ MBIA Insured (ETM) District of Columbia, Revenue Bonds, Georgetown University, Series 2001A:	8/06 at 100
9,670	0.000%, 4/01/26 ☐ MBIA Insured	4/11 at 42
15,235	0.000%, 4/01/30 ☐ MBIA Insured	4/11 at 32

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5,000 Washington Convention Center Authority, District of Columbia, Senior Lien Dedicated Tax Revenue Bonds, Series 1998, 5.250%, 10/01/12 ☐ AMBAC Insured 10/08 at 100

41,505 Total District of Columbia

Florida ☐ 5.3% (3.3% of Total Investments)

5,000 Broward County School Board, Florida, Certificates of Participation, Series 2003, 5.000%, 7/01/28 ☐ MBIA Insured 7/13 at 100

5,000 Hillsborough County Aviation Authority, Florida, Revenue Bonds, Tampa International Airport, Series 2003A, 5.250%, 10/01/18 ☐ MBIA Insured (Alternative Minimum Tax) 10/13 at 100

5,000 Martin County Industrial Development Authority, Florida, Industrial Development Revenue Bonds, Indiantown Cogeneration LP, Series 1994A, 7.875%, 12/15/25 (Alternative Minimum Tax) 12/06 at 100

1,380 Miami-Dade County Housing Finance Authority, Florida, Multifamily Housing Revenue Bonds, Sunset Bay Apartments, Series 2000-5A, 5.850%, 7/01/20 ☐ FSA Insured (Alternative Minimum Tax) 1/11 at 100

3,500 Miami-Dade County, Florida, Aviation Revenue Bonds, Miami International Airport, Series 2005A, 5.000%, 10/01/37 ☐ XLCA Insured (Alternative Minimum Tax) 10/15 at 100

9,500 Sunrise, Florida, Utility System Revenue Refunding Bonds, Series 1998, 5.000%, 10/01/28 ☐ AMBAC Insured 10/18 at 100

29,380 Total Florida

Georgia ☐ 2.5% (1.6% of Total Investments)

4,400 Atlanta, Georgia, Water and Wastewater Revenue Bonds, Series 1999A, 5.500%, 11/01/22 ☐ FGIC Insured No Opt.

2,880 Georgia Municipal Electric Authority, General Power Revenue Bonds, Series 1992B, 8.250%, 1/01/11 No Opt.

5,500 Georgia Municipal Electric Authority, General Power Revenue Bonds, Series 1993B, 5.700%, 1/01/19 ☐ FGIC Insured (ETM) No Opt.

12,780 Total Georgia

Hawaii ☐ 1.0% (0.6% of Total Investments)

3,720 Honolulu City and County, Hawaii, General Obligation Refunding and Improvement Bonds, Series 1993B, 5.000%, 10/01/13 No Opt.

1,580 Honolulu City and County, Hawaii, General Obligation Refunding and Improvement Bonds, Series 1993B, 5.000%, 10/01/13 (ETM) No Opt.

5,300 Total Hawaii

Illinois ☐ 14.6% (9.2% of Total Investments)

4,000 Chicago Board of Education, Illinois, General Obligation Lease Certificates, Series 1992A, 6.250%, 1/01/15 ☐ MBIA Insured No Opt.

5,550 Chicago, Illinois, Revenue Bonds, Midway Airport, Series 2001A, 5.125%, 1/01/26 ☐ FSA Insured (Alternative Minimum Tax) 1/11 at 100

5,000 Chicago, Illinois, Sales Tax Revenue Bonds, Series 1998, 5.250%, 1/01/28 ☐ FGIC Insured 7/08 at 100

1,665 Chicago, Illinois, Third Lien General Airport Revenue Bonds, O'Hare International Airport, Series 2005A, 5.000%, 1/01/33 ☐ FGIC Insured 1/16 at 100

1,455 Cook County School District 99, Cicero, Illinois, General Obligation School Bonds, Series 1997: 8.500%, 12/01/13 ☐ FGIC Insured No Opt.

1,685 Cook County School District 99, Cicero, Illinois, General Obligation School Bonds, Series 1997: 8.500%, 12/01/15 ☐ FGIC Insured No Opt.

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6,110	Illinois Development Finance Authority, GNMA Collateralized Mortgage Revenue Bonds, Greek American Nursing Home Committee, Series 2000A, 7.600%, 4/20/40	4/11 at 100
1,385	Illinois Finance Authority, General Obligation Debt Certificates, Local Government Program □ Kankakee County, Series 2005B, 5.000%, 12/01/18 □ AMBAC Insured	12/14 at 100
2,515	Illinois Finance Authority, Revenue Bonds, Northwestern Memorial Hospital, Series 2004A, 5.250%, 8/15/34	8/14 at 100
4,000	Illinois Health Facilities Authority, FHA-Insured Mortgage Revenue Refunding Bonds, Sinai Health System, Series 2003, 5.150%, 2/15/37	8/13 at 100
4,000	Illinois Health Facilities Authority, Revenue Bonds, Condell Medical Center, Series 2002, 5.500%, 5/15/32	5/12 at 100
	Illinois Health Facilities Authority, Revenue Refunding Bonds, Lutheran General Health System, Series 1993C:	
3,045	7.000%, 4/01/08	No Opt.
4,075	7.000%, 4/01/14	No Opt.
720	Illinois Housing Development Authority, Multifamily Program Bonds, Series 1994-5, 6.650%, 9/01/14	9/06 at 100
3,410	Illinois Housing Development Authority, Section 8 Elderly Housing Revenue Bonds, Skyline Towers Apartments, Series 1992B, 6.875%, 11/01/17	11/06 at 100
9,795	Lake, Cook, Kane and McHenry Counties Community Unit School District 220, Barrington, Illinois, School Refunding Bonds, Series 2002, 5.250%, 12/01/19 □ FSA Insured	No Opt.
	Metropolitan Pier and Exposition Authority, Illinois, Revenue Bonds, McCormick Place Expansion Project, Series 2002A:	
9,500	0.000%, 6/15/24 □ MBIA Insured	6/22 at 100
4,540	5.000%, 12/15/28 □ MBIA Insured	6/12 at 100
36,040	0.000%, 6/15/40 □ MBIA Insured	No Opt.
3,050	Regional Transportation Authority, Cook, DuPage, Kane, Lake, McHenry and Will Counties, Illinois, General Obligation Bonds, Series 1990A, 7.200%, 11/01/20 □ AMBAC Insured	No Opt.

111,540 Total Illinois

Indiana □ 9.0% (5.7% of Total Investments)

3,965	Indiana Educational Facilities Authority, Revenue Bonds, Butler University, Series 2001, 5.500%, 2/01/26 □ MBIA Insured	2/11 at 100
1,500	Indiana Educational Facilities Authority, Revenue Bonds, University of Indianapolis, Series 1999, 5.750%, 10/01/19 □ FSA Insured	10/09 at 100
22,000	Indiana Health Facility Financing Authority, Hospital Revenue Bonds, Clarian Health Obligated Group, Series 2000A, 5.500%, 2/15/30 (Pre-refunded 8/15/10) □ MBIA Insured	8/10 at 100
3,000	Indiana Health Facility Financing Authority, Hospital Revenue Refunding Bonds, Columbus Regional Hospital, Series 1993, 7.000%, 8/15/15 □ FSA Insured	No Opt.
2,800	Indiana Health Facility Financing Authority, Revenue Bonds, Community Hospitals of Indiana, Series 2005A, 5.000%, 5/01/35 □ AMBAC Insured	5/15 at 100
	Indiana Transportation Finance Authority, Highway Revenue Bonds, Series 2003A:	
4,000	5.000%, 6/01/23 □ FSA Insured	6/13 at 100
6,000	5.000%, 6/01/24 □ FSA Insured	6/13 at 100
420	Marion County Convention and Recreational Facilities Authority, Indiana, Excise Tax Lease Rental Revenue Bonds, Series 1997A, 5.000%, 6/01/27 □ MBIA Insured	6/07 at 100
5,000	Metropolitan School District Warren Township Vision 2005 School Building Corporation, Marion County, Indiana, First Mortgage Bonds, Series 2000, 5.500%, 7/15/20 (Pre-refunded 1/15/11) □ FGIC Insured	1/11 at 100

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48,685 Total Indiana

Iowa □ 0.2% (0.2% of Total Investments)

1,000 Iowa Finance Authority, Health Facility Revenue Bonds, Care Initiatives Project, Series 2006A, 5.000%, 7/01/20 (WI/DD, Settling 8/02/06) 7/16 at 100

Kansas □ 1.8% (1.1% of Total Investments)

2,000 Olathe, Kansas, Health Facilities Revenue Bonds, Olathe Medical Center, Series 2000A, 5.500%, 9/01/25 □ AMBAC Insured 9/10 at 100

6,825 Sedgwick County Unified School District 259, Wichita, Kansas, General Obligation Bonds, Series 2000, 3.500%, 9/01/16 9/10 at 100

1,750 Wamego, Kansas, Pollution Control Revenue Bonds, Kansas Gas and Electric Company, Series 2004, 5.300%, 6/01/31 □ MBIA Insured 6/14 at 100

10,575 Total Kansas

Louisiana □ 2.6% (1.7% of Total Investments)

3,070 Jefferson Sales Tax District, Jefferson Parish, Louisiana, Special Sales Tax Revenue Refunding Bonds, Series 2002, 5.250%, 12/01/20 □ AMBAC Insured 12/12 at 100

1,750 Louisiana Local Government Environmental Facilities and Community Development Authority, GNMA Collateralized Mortgage Revenue Refunding Bonds, Sharlo Apartments, Series 2002A, 6.500%, 6/20/37 6/12 at 100

5,150 Louisiana Public Facilities Authority, Hospital Revenue Bonds, Franciscan Missionaries of Our Lady Health System, Series 2005A, 5.250%, 8/15/32 8/15 at 100

4,565 Orleans Levee District, Louisiana, Levee District General Obligation Bonds, Series 1986, 5.950%, 11/01/14 □ FSA Insured 12/06 at 100

14,535 Total Louisiana

Maine □ 1.3% (0.8% of Total Investments)

7,520 Maine Educational Loan Marketing Corporation, Student Loan Revenue Bonds, Subordinate Series 1994B-2, 6.250%, 11/01/06 (Alternative Minimum Tax) No Opt.

Maryland □ 2.7% (1.7% of Total Investments)

2,905 Maryland Community Development Administration, Housing Revenue Bonds, Series 1996A, 5.875%, 7/01/16 1/07 at 100

2,900 Maryland Community Development Administration, Housing Revenue Bonds, Series 1997A, 6.000%, 7/01/39 (Alternative Minimum Tax) 7/07 at 100

6,800 Montgomery County Housing Opportunities Commission, Maryland, GNMA/FHA-Insured Multifamily Housing Revenue Bonds, Series 1996B, 6.400%, 7/01/28 (Alternative Minimum Tax) 1/07 at 100

2,315 Montgomery County Housing Opportunities Commission, Maryland, Multifamily Housing Development Bonds, Series 2000B, 6.125%, 7/01/20 (Alternative Minimum Tax) 7/10 at 100

14,920 Total Maryland

Massachusetts □ 1.5% (1.0% of Total Investments)

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3,585	Massachusetts Development Finance Agency, Revenue Bonds, Curry College, Series 2005A, 5.000%, 3/01/35 ☐ ACA Insured	3/15 at 100
5,000	Massachusetts Turnpike Authority, Metropolitan Highway System Revenue Bonds, Senior Series 1997A, 5.000%, 1/01/37 ☐ MBIA Insured	1/07 at 100

8,585 Total Massachusetts

Michigan ☐ 7.3% (4.6% of Total Investments)

6,000	Detroit, Michigan, Second Lien Sewerage Disposal System Revenue Bonds, Series 2005A, 5.000%, 7/01/35 ☐ MBIA Insured	7/15 at 100
1,535	Detroit, Michigan, Senior Lien Water Supply System Revenue Bonds, Series 1997A, 5.000%, 7/01/27 (Pre-refunded 7/01/07) ☐ MBIA Insured	7/07 at 100
8,915	Detroit, Michigan, Senior Lien Water Supply System Revenue Bonds, Series 1997A, 5.000%, 7/01/27 ☐ MBIA Insured	7/07 at 100
5,400	Detroit, Michigan, Sewer Disposal System Revenue Bonds, Second Lien, Series 2006B, 4.625%, 7/01/34 (WI/DD, Settling 8/10/06) ☐ FGIC Insured	7/16 at 100
	Hancock Hospital Finance Authority, Michigan, FHA-Insured Mortgage Hospital Revenue Bonds, Portage Health System Inc., Series 1998:	
425	4.625%, 8/01/18 ☐ MBIA Insured	8/08 at 100
4,400	5.450%, 8/01/47 ☐ MBIA Insured	8/08 at 100
5,000	Michigan State Building Authority, Revenue Refunding Bonds, Facilities Program, Series 2003II, 5.000%, 10/15/29 ☐ MBIA Insured	10/13 at 100
10,500	Michigan State Hospital Finance Authority, Hospital Revenue Bonds, Detroit Medical Center Obligated Group, Series 1998A, 5.250%, 8/15/23	8/08 at 100

42,175 Total Michigan

Minnesota ☐ 0.8% (0.5% of Total Investments)

1,025	Minneapolis-St. Paul Housing Finance Board, Minnesota, FNMA/GNMA Mortgage-Backed Securities Program Single Family Mortgage Revenue Bonds, Series 1997, 5.800%, 11/01/30 (Alternative Minimum Tax)	11/07 at 100
3,500	Minneapolis-St. Paul Metropolitan Airports Commission, Minnesota, Airport Revenue Bonds, Series 2001A, 5.250%, 1/01/25 ☐ FGIC Insured	1/11 at 100

4,525 Total Minnesota

Mississippi ☐ 1.9% (1.2% of Total Investments)

1,285	Jones County, Mississippi, Hospital Revenue Bonds, South Central Regional Medical Center, Series 1997, 5.350%, 12/01/10	12/07 at 100
2,000	Mississippi Higher Education Assistance Corporation, Student Loan Revenue Bonds, Senior Series 1993B, 5.800%, 9/01/06 (Alternative Minimum Tax)	9/06 at 100
1,875	Mississippi Hospital Equipment and Facilities Authority, Revenue Bonds, Baptist Memorial Healthcare, Series 2004B-1, 5.000%, 9/01/24	9/14 at 100
5,180	Mississippi, General Obligation Refunding Bonds, Series 2002A, 5.500%, 12/01/18	No Opt.

10,340 Total Mississippi

Missouri ☐ 0.9% (0.6% of Total Investments)

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3,000	Missouri Health and Educational Facilities Authority, Revenue Bonds, BJC Health System, Series 2003, 5.125%, 5/15/24	5/13 at 100
2,000	St. Louis, Missouri, Airport Revenue Bonds, Airport Development Program, Series 2001A, 5.000%, 7/01/26 ☐ MBIA Insured	7/11 at 100

5,000 Total Missouri

Nebraska ☐ 1.6% (1.0% of Total Investments)

9,000	NebHelp Inc., Nebraska, Senior Subordinate Bonds, Student Loan Program, Series 1993A-5A, 6.250%, 6/01/18 ☐ MBIA Insured (Alternative Minimum Tax)	No Opt.
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Nevada ☐ 4.5% (2.9% of Total Investments)

10,420	Clark County School District, Nevada, General Obligation Bonds, Series 2002C, 5.500%, 6/15/18 (Pre-refunded 6/15/12) ☐ MBIA Insured	6/12 at 100
4,500	Clark County School District, Nevada, General Obligation School Improvement Bonds, Series 1991A, 7.000%, 6/01/10 ☐ MBIA Insured	No Opt.
7,000	Clark County, Nevada, Motor Vehicle Fuel Tax Highway Improvement Revenue Bonds, Series 2003, 5.000%, 7/01/23 ☐ AMBAC Insured	7/13 at 100
5,425	Director of Nevada State Department of Business and Industry, Revenue Bonds, Las Vegas Monorail Project, First Tier, Series 2000, 0.000%, 1/01/25 ☐ AMBAC Insured	No Opt.
270	Nevada Housing Division, Single Family Mortgage Bonds, Senior Series 1992B-1, 6.200%, 10/01/15	10/06 at 100

27,615 Total Nevada

New Jersey ☐ 4.2% (2.6% of Total Investments)

1,100	New Jersey Health Care Facilities Financing Authority, Revenue Bonds, Trinitas Hospital Obligated Group, Series 2000, 7.500%, 7/01/30	7/10 at 100
880	New Jersey Turnpike Authority, Revenue Bonds, Series 1991C, 6.500%, 1/01/16 ☐ MBIA Insured New Jersey Turnpike Authority, Revenue Bonds, Series 1991C:	No Opt.
300	6.500%, 1/01/16 ☐ MBIA Insured (ETM)	No Opt.
2,345	6.500%, 1/01/16 ☐ MBIA Insured (ETM)	No Opt.
13,470	Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds, Series 2002, 5.750%, 6/01/32	6/12 at 100
3,995	Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds, Series 2003, 6.750%, 6/01/39	6/13 at 100

22,090 Total New Jersey

New York ☐ 9.5% (6.0% of Total Investments)

1,200	Hempstead Industrial Development Agency, New York, Resource Recovery Revenue Refunding Bonds, American Ref-Fuel Company of Hempstead LP, Series 2001, 5.000%, 12/01/10 (Mandatory put 6/01/10)	12/10 at 100
11,825	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 1998C, 5.000%, 5/01/26 New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 1998C:	5/08 at 100
1,350	5.000%, 5/01/26 (Pre-refunded 5/01/08)	5/08 at 100
35	5.000%, 5/01/26 (Pre-refunded 5/01/08)	5/08 at 100

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3,705	5.000%, 5/01/26 (Pre-refunded 5/01/08)	5/08 at 100
220	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 2000A, 5.875%, 11/01/16 (Pre-refunded 5/01/10)	5/10 at 100
	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 2000C:	
3,630	5.875%, 11/01/16 (Pre-refunded 5/01/10)	5/10 at 100
5,000	5.500%, 11/01/24 (Pre-refunded 5/01/10)	5/10 at 100
1,395	New York State Medical Care Facilities Finance Agency, FHA-Insured Mortgage Revenue Bonds, Hospital and Nursing Home Projects, Series 1992B, 6.200%, 8/15/22	8/06 at 100
4,200	New York State Medical Care Facilities Finance Agency, FHA-Insured Mortgage Revenue Bonds, Kenmore Mercy Hospital, Series 1995B, 6.150%, 2/15/35	8/06 at 100
	New York State Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed and State Contingency Contract-Backed Bonds, Series 2003A-1:	
5,400	5.500%, 6/01/16	6/10 at 100
2,500	5.500%, 6/01/18	6/12 at 100
5,000	New York State Urban Development Corporation, Service Contract Revenue Bonds, Correctional and Youth Facilities, Series 2002A, 5.500%, 1/01/17 (Mandatory put 1/01/11)	1/17 at 100
6,250	Port Authority of New York and New Jersey, Special Project Bonds, JFK International Air Terminal LLC, Sixth Series 1997, 6.250%, 12/01/15 <input type="checkbox"/> MBIA Insured (Alternative Minimum Tax)	No Opt.

51,710 Total New York

North Carolina 3.2% (2.0% of Total Investments)

2,675	Charlotte, North Carolina, Water and Sewerage System Revenue Bonds, Series 2001, 5.500%, 6/01/13	6/11 at 100
2,445	North Carolina Infrastructure Finance Corporation, Certificates of Participation, Correctional Facilities, Series 2004A, 5.000%, 2/01/21	2/14 at 100
2,000	North Carolina Municipal Power Agency 1, Catawba Electric Revenue Bonds, Series 1992, 6.000%, 1/01/11 <input type="checkbox"/> MBIA Insured	No Opt.
10,000	North Carolina Municipal Power Agency 1, Catawba Electric Revenue Bonds, Series 2003A, 5.250%, 1/01/18 <input type="checkbox"/> MBIA Insured	1/13 at 100

17,120 Total North Carolina

Ohio 2.3% (1.5% of Total Investments)

9,000	Cleveland, Ohio, Airport System Revenue Bonds, Series 2000A, 5.000%, 1/01/31 <input type="checkbox"/> FSA Insured	1/10 at 100
3,000	Franklin County, Ohio, Development Revenue Bonds, American Chemical Society, Series 1999, 5.800%, 10/01/14	10/09 at 100
1,000	Franklin County, Ohio, FHA-Insured Multifamily Housing Mortgage Revenue Bonds, Hamilton Creek Apartments Project, Series 1994A, 5.550%, 7/01/24 (Alternative Minimum Tax)	1/07 at 100

13,000 Total Ohio

Oklahoma 0.7% (0.4% of Total Investments)

325	Oklahoma Housing Finance Agency, Single Family Mortgage Revenue Bonds, Homeownership Loan Program, Series 2000C-2, 6.200%, 9/01/28 (Alternative Minimum Tax)	3/10 at 100
3,340	Tulsa Industrial Authority, Oklahoma, Hospital Revenue Refunding Bonds, Hillcrest Medical Center, Series 1996, 6.500%, 6/01/09 <input type="checkbox"/> CONNIE LEE/AMBA Insured (ETM)	No Opt.

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3,665 Total Oklahoma

Pennsylvania □ 1.4% (0.9% of Total Investments)

5,000 Pennsylvania Economic Development Financing Authority, Senior Lien Resource Recovery Revenue Bonds, Northampton Generating Project, Series 1994A, 6.400%, 1/01/09 (Alternative Minimum Tax) 1/07 at 100

2,600 Pennsylvania Turnpike Commission, Turnpike Revenue Bonds, Series 2004A, 5.500%, 12/01/31 □ AMBAC Insured 12/14 at 100

7,600 Total Pennsylvania

Puerto Rico □ 3.1% (2.0% of Total Investments)

12,390 Puerto Rico, General Obligation and Public Improvement Refunding Bonds, Series 1997, 6.500%, 7/01/13 □ MBIA Insured No Opt.

3,470 University of Puerto Rico, University System Revenue Bonds, Series 20000, 5.750%, 6/01/18 □ MBIA Insured 6/10 at 100

15,860 Total Puerto Rico

Rhode Island □ 3.7% (2.3% of Total Investments)

20,000 Rhode Island Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed Bonds, Series 2002A, 6.250%, 6/01/42 6/12 at 100

South Carolina □ 4.2% (2.7% of Total Investments)

4,120 Medical University Hospital Authority, South Carolina, FHA-Insured Mortgage Revenue Bonds, Series 2004A, 5.250%, 2/15/23 □ MBIA Insured 8/14 at 100

3,000 Myrtle Beach, South Carolina, Hospitality and Accommodation Fee Revenue Bonds, Series 2004A, 5.000%, 6/01/36 □ FGIC Insured 6/14 at 100

5,000 Piedmont Municipal Power Agency, South Carolina, Electric Revenue Bonds, Series 1991: 6.250%, 1/01/21 □ FGIC Insured No Opt.

5,750 4.000%, 1/01/23 □ MBIA Insured 1/07 at 100

5,085 Piedmont Municipal Power Agency, South Carolina, Electric Revenue Refunding Bonds, Series 1998A, 5.500%, 1/01/13 □ MBIA Insured No Opt.

22,955 Total South Carolina

South Dakota □ 0.2% (0.2% of Total Investments)

1,750 South Dakota Health and Educational Facilities Authority, Revenue Bonds, Sioux Valley Hospitals, Series 2004A, 5.500%, 11/01/31 11/14 at 100

Tennessee □ 0.2% (0.2% of Total Investments)

1,500 Metropolitan Government of Nashville-Davidson County, Tennessee, Electric System Revenue Bonds, Series 1998A, 5.200%, 5/15/23 5/08 at 100

Texas □ 18.6% (11.7% of Total Investments)

4,500 Alliance Airport Authority, Texas, Special Facilities Revenue Bonds, American Airlines Inc., Series 1990, 7.500%, 12/01/29 (Alternative Minimum Tax) 12/06 at 100

4,000 Central Texas Regional Mobility Authority, Travis and Williamson Counties, Toll Road Revenue 1/15 at 100

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	Bonds, Series 2005, 5.000%, 1/01/35 ☐ FGIC Insured	
3,345	Columbia-Brazoria Independent School District, Texas, Unlimited Tax School Building Bonds, Series 1999, 4.750%, 2/01/25	2/09 at 100
2,250	Dallas-Ft. Worth International Airport, Texas, Joint Revenue Bonds, Series 2004B, 5.000%, 11/01/27 ☐ FSA Insured (Alternative Minimum Tax)	11/14 at 100
8,000	Dallas-Ft. Worth International Airport, Texas, Joint Revenue Refunding and Improvement Bonds, Series 2001A, 5.875%, 11/01/19 ☐ FGIC Insured (Alternative Minimum Tax)	11/11 at 100
6,000	Garland Housing Finance Corporation, Texas, Multifamily Housing Revenue Bonds, Legacy Pointe Apartments, Series 2000, 7.500%, 6/01/40 (Alternative Minimum Tax)	12/11 at 100
3,750	Harris County Flood Control District, Texas, General Obligation Bonds, Series 2003, 5.000%, 10/01/23	10/13 at 100
7,000	Harris County Health Facilities Development Corporation, Texas, Thermal Utility Revenue Bonds, TECO Project, Series 2003, 5.000%, 11/15/30 ☐ MBIA Insured	11/13 at 100
28,305	Houston, Texas, Hotel Occupancy Tax and Special Revenue Bonds, Convention and Entertainment Project, Series 2001B, 0.000%, 9/01/28 ☐ AMBAC Insured	No Opt.
5,000	Houston, Texas, Junior Lien Water and Sewerage System Revenue Refunding Bonds, Series 1997D, 5.000%, 12/01/25 (Pre-refunded 12/01/07) ☐ FGIC Insured	12/07 at 100
7,500	Houston, Texas, Junior Lien Water and Sewerage System Revenue Refunding Bonds, Series 2002A, 5.750%, 12/01/32 ☐ FSA Insured (ETM)	No Opt.
33,505	Leander Independent School District, Williamson and Travis Counties, Texas, General Obligation Bonds, Series 2006, 0.000%, 8/15/39	8/14 at 25
172	Midland Housing Finance Corporation, Texas, Single Family Mortgage Revenue Refunding Bonds, Series 1992A, 8.450%, 12/01/11	11/06 at 100
	Montgomery Independent School District, Montgomery County, Texas, Unlimited Tax School Building and Refunding Bonds, Series 2001:	
2,300	5.500%, 2/15/21	2/11 at 100
2,400	5.500%, 2/15/23	2/11 at 100
	Mt. Pleasant Independent School District, Titus County, Texas, General Obligation Refunding Bonds, Series 2001:	
3,025	5.000%, 2/15/26	8/11 at 100
3,000	5.125%, 2/15/31	8/11 at 100
6,000	Raven Hills Higher Education Corporation, Texas, Student Housing Revenue Bonds, Angelo State University ☐ Texan Hall LLC, Series 2002A, 5.000%, 8/01/25 (Pre-refunded 8/01/12) ☐ MBIA Insured	8/12 at 100
3,410	Retama Development Corporation, Texas, Special Facilities Revenue Bonds, Retama Park Racetrack, Series 1993, 8.750%, 12/15/12 (Pre-refunded 12/15/12) (5)	12/12 at 100
1,800	Sam Rayburn Municipal Power Agency, Texas, Power Supply System Revenue Refunding Bonds, Series 2002A, 5.750%, 10/01/21 ☐ RAAI Insured	10/12 at 100
4,700	Spring Branch Independent School District, Harris County, Texas, Limited Tax Schoolhouse and Refunding Bonds, Series 2001, 5.125%, 2/01/26	2/11 at 100
8,500	Travis County Health Facilities Development Corporation, Texas, Hospital Revenue Bonds, Daughters of Charity National Health System, Series 1993B, 6.000%, 11/15/22 (ETM)	11/06 at 100
<hr/>		
148,462	Total Texas	
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	Utah ☐ 5.6% (3.6% of Total Investments)	
4,845	Bountiful, Davis County, Utah, Hospital Revenue Refunding Bonds, South Davis Community Hospital Project, Series 1998, 5.750%, 12/15/18	12/08 at 100

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5,065	Intermountain Power Agency, Utah, Power Supply Revenue Bonds, Series 1996A, 6.150%, 7/01/14 (ETM)	1/07 at 100
40	Intermountain Power Agency, Utah, Power Supply Revenue Bonds, Series 1996A, 6.150%, 7/01/14	7/08 at 100
5,820	Intermountain Power Agency, Utah, Power Supply Revenue Refunding Bonds, Series 1997B, 5.750%, 7/01/19 (Pre-refunded 7/01/07) □ MBIA Insured	7/07 at 100
11,750	Intermountain Power Agency, Utah, Power Supply Revenue Refunding Bonds, Series 1997B, 5.750%, 7/01/19 □ MBIA Insured	7/07 at 100
1,435	Salt Lake City and Sandy Metropolitan Water District, Utah, Water Revenue Bonds, Series 2004, 5.000%, 7/01/21 □ AMBAC Insured	7/14 at 100
555	Utah Housing Finance Agency, Single Family Mortgage Bonds, Series 2000G, 5.875%, 7/01/27 (Alternative Minimum Tax) Utah Housing Finance Agency, Single Family Mortgage Bonds, Series 2001C:	7/10 at 100
1,755	5.500%, 1/01/18 (Alternative Minimum Tax)	1/11 at 100
530	5.650%, 1/01/21 (Alternative Minimum Tax)	1/11 at 100

31,795 Total Utah

Virginia □ 1.8% (1.1% of Total Investments)

8,190	Hampton, Virginia, Revenue Bonds, Convention Center Project, Series 2002, 5.000%, 1/15/35 □ AMBAC Insured	1/13 at 100
1,775	Virginia Transportation Board, Transportation Revenue Refunding Bonds, U.S. Route 58 Corridor Development Program, Series 1997C, 5.125%, 5/15/19	5/07 at 100

9,965 Total Virginia

Washington □ 10.2% (6.5% of Total Investments)

1,855	Chelan County Public Utility District 1, Washington, Hydro Consolidated System Revenue Bonds, Series 1999A, 6.200%, 7/01/34 (Alternative Minimum Tax)	7/09 at 100
2,500	Energy Northwest, Washington, Electric Revenue Refunding Bonds, Columbia Generating Station □ Nuclear Project 2, Series 2002C, 5.750%, 7/01/17 □ MBIA Insured	7/12 at 100
1,655	Everett, Washington, Limited Tax General Obligation Bonds, Series 1997, 5.125%, 9/01/17 □ FSA Insured	9/07 at 100
6,000	Grant County Public Utility District 2, Washington, Revenue Bonds, Wanapum Hydroelectric Development, Series 2005A, 5.000%, 1/01/34 □ FGIC Insured	1/15 at 100
1,500	Snohomish County School District 6, Mukilteo, Washington, Unlimited Tax General Obligation and Refunding Bonds, Series 1993, 5.700%, 12/01/12 □ FGIC Insured	No Opt.
8,155	Tacoma, Washington, Electric System Revenue Refunding Bonds, Series 2001A, 5.750%, 1/01/20 (Pre-refunded 1/01/11) □ FSA Insured	1/11 at 100
4,705	Tacoma, Washington, Sewerage Revenue Refunding Bonds, Series 1994B, 8.000%, 12/01/08 □ FGIC Insured	No Opt.
11,000	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 3, Series 1993B, 7.000%, 7/01/09	No Opt.
4,700	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 3, Series 1998A, 5.125%, 7/01/18	7/08 at 100
1,000	Washington State Healthcare Facilities Authority, Revenue Bonds, Harrison Memorial Hospital, Series 1998, 5.000%, 8/15/28 □ AMBAC Insured	8/13 at 100
2,000	Washington State Healthcare Facilities Authority, Revenue Bonds, Highline Community Hospital, Series 1998, 5.000%, 8/15/21 □ RAAI Insured	8/08 at 100

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5,500	Washington State Healthcare Facilities Authority, Revenue Bonds, Swedish Health Services, Series 1998, 5.500%, 11/15/14 ☐ AMBAC Insured	11/08 at 100
4,645	Washington State Tobacco Settlement Authority, Tobacco Settlement Asset-Backed Revenue Bonds, Series 2002, 6.500%, 6/01/26	6/13 at 100

55,215 Total Washington

Wisconsin ☐ 1.4% (0.9% of Total Investments)

500	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Medical College of Wisconsin Inc., Series 1996, 5.500%, 12/01/26 ☐ MBIA Insured	12/06 at 100
7,500	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Ministry Healthcare Inc., Series 2002A, 5.250%, 2/15/32 ☐ MBIA Insured	2/12 at 100

8,000 Total Wisconsin

\$ 957,179 Total Long-Term Investments (cost \$857,204,983) ☐ 155.8%

Short-Term Investments ☐ 2.2% (1.4% of Total Investments)

2,500	Metropolitan Transportation Authority, New York, Transportation Revenue Bonds, Variable Rate Demand Obligations, Series 2005G, 3.680%, 11/01/26 (6)
10,050	Washington State Housing Finance Commission, Variable Rate Demand Nonprofit Revenue Bonds, Wesley Homes Project, Series 2005, 3.640%, 1/01/36 (6)

\$ 12,550 Total Short-Term Investments (cost \$12,550,000)

Total Investments (cost \$869,754,983) ☐ 158.0%

Other Assets Less Liabilities ☐ 0.8%

Preferred Shares, at Liquidation Value ☐ (58.8)%

Net Assets Applicable to Common Shares ☐ 100%

-
- (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 higher of Standard & Poor's or Moody's rating. Ratings below BBB by Standard & Poor's Group or Baa by Moody's Investor Service, Inc. are considered to be below investment grade.
 - (4) 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.
 - (5) The issuer has received a proposed adverse determination from the Internal Revenue Service (the "IRS") regarding the tax-exempt status of the bonds' coupon payments. The Fund will continue to treat coupon

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payments as tax-exempt income until such time that it is formally determined that the interest on the bonds should be treated as taxable.

- (6) Investment has a maturity of more than one year, but has variable rate and demand features which qualify it as a short-term investment. The rate disclosed is that in effect at the end of the reporting period. This rate changes periodically based on market conditions or a specified market index.

N/R Not rated.

WI/DD Purchased on a when-issued or delayed delivery basis.

(ETM) Escrowed to maturity.

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 the treatment of paydown gains and losses, timing differences in recognizing taxable market discount and timing differences in recognizing certain gains and losses on investment transactions.

At July 31, 2006, the cost of investments was \$869,161,727.

Gross unrealized appreciation and gross unrealized depreciation of investments at July 31, 2006, were as follows:

Gross unrealized:	
Appreciation	\$41,284,039
Depreciation	(1,672,137)

Net unrealized appreciation (depreciation) of investments	\$39,611,902
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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: EX-99 CERT Attached hereto.

SIGNATURES

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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 Premium Income Municipal Fund 4, Inc.

By (Signature and Title)* /s/ Jessica R. Droeger
Jessica R. Droeger
Vice President and Secretary

Date September 28, 2006

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 September 28, 2006

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

Date September 28, 2006

* Print the name and title of each signing officer under his or her signature.