

NUVEEN PREMIUM INCOME MUNICIPAL FUND 4 INC  
Form N-Q  
March 30, 2007

**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)

**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: 1/31/07

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, 2007*

<b>Principal</b>		<b>Optional</b>
<b>Amount (000)</b>	<b>Description (1)</b>	<b>Provisions</b>

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**Alabama □ 3.4% (2.0% 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)	5/07 at 100

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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

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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

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9,100 Total Arizona

**Arkansas □ 0.0% (0.0% of Total Investments)**

	21	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	7/07 at 100
	71	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	4/07 at 100

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92 Total Arkansas

**California □ 18.0% (10.5% 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
	11,000	California Infrastructure Economic Development Bank, First Lien Revenue Bonds, San Francisco Bay Area Toll Bridge, Series 2003A, 5.000%, 7/01/33 (Pre-refunded 1/01/28) □ AMBAC Insured (UB)	1/28 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

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19,545	California, General Obligation Bonds, Series 2005, 5.000%, 6/01/33 ☐ CIFG Insured (UB)	6/15 at 100
4,780	Foothill/Eastern Transportation Corridor Agency, California, Toll Road Revenue Bonds, Series 1995A, 0.000%, 1/01/14 (ETM)	No Opt.
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
3,190	Hillsborough City School District, San Mateo County, California, General Obligation Bonds, Series 2006B, 0.000%, 9/01/27	No Opt.
11,310	San Francisco Bay Area Rapid Transit District, California, Sales Tax Revenue Bonds, Refunding Series 2006A, 4.250%, 7/01/31 ☐ FSA Insured (UB)	7/16 at 100
31,300	San Joaquin Hills Transportation Corridor Agency, Orange County, California, Toll Road Revenue Refunding Bonds, Series 1997A, 0.000%, 1/15/34 ☐ MBIA Insured (UB)	No Opt.
1,945	South Gate Public Financing Authority, California, Water Revenue Refunding Bonds, Series 1996A, 6.000%, 10/01/12 ☐ FGIC Insured	No Opt.

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126,370 Total California

**Colorado ☐ 5.5% (3.2% 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 (Pre-refunded 9/01/11)	9/11 at 100
530	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

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30,110 Total Colorado

**District of Columbia ☐ 2.3% (1.3% of Total Investments)**

5	District of Columbia, General Obligation Bonds, Series 1993E, 6.000%, 6/01/09 ☐ CAPMAC Insured	6/07 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:	2/07 at 100
9,670	0.000%, 4/01/26 ☐ MBIA Insured	4/11 at 40
15,235	0.000%, 4/01/30 ☐ MBIA Insured	4/11 at 30

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30,505 Total District of Columbia

**Florida □ 5.3% (3.1% 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)	6/07 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% (1.5% 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 □ 17.8% (10.4% 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.
17,000	Chicago Greater Metropolitan Area Sanitary District, Illinois, General Obligation Bonds, Series 2006, 5.000%, 12/01/35 (UB)	12/16 at 100
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.

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1,685	8.500%, 12/01/15 ☐ FGIC Insured	No Opt.
6,090	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	3/07 at 100
3,410	Illinois Housing Development Authority, Section 8 Elderly Housing Revenue Bonds, Skyline Towers Apartments, Series 1992B, 6.875%, 11/01/17	5/07 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.

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128,520 Total Illinois

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**Indiana ☐ 9.2% (5.4% of Total Investments)**

	Carmel Redevelopment Authority, Lease Rent Revenue Bonds, Series 2005:	
1,950	0.000%, 2/01/24	No Opt.
2,705	0.000%, 2/01/25	No Opt.
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

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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

53,340 Total Indiana

**Iowa ☐ 0.2% (0.1% of Total Investments)**

1,000	Iowa Finance Authority, Health Facility Revenue Bonds, Care Initiatives Project, Series 2006A, 5.000%, 7/01/20	7/16 at 100
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**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 ☐ 5.5% (3.3% 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
1,485	Louisiana State, Gasoline and Fuels Tax Revenue Bonds, Series 2006: 4.750%, 5/01/39 ☐ FSA Insured (UB)	5/16 at 100
16,320	Louisiana State, Gasoline and Fuels Tax Revenue Bonds, Series 2006: 4.500%, 5/01/41 ☐ FGIC Insured (UB)	5/16 at 100
4,195	Orleans Levee District, Louisiana, Levee District General Obligation Bonds, Series 1986, 5.950%, 11/01/14 ☐ FSA Insured	6/07 at 100

31,970 Total Louisiana

**Maryland ☐ 3.0% (1.8% of Total Investments)**

2,905	Maryland Community Development Administration, Housing Revenue Bonds, Series 1996A, 5.875%, 7/01/16	7/07 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
50	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, MedStar Health, Series 2004, 5.375%, 8/15/24	8/14 at 100
2,210	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Western Maryland Health, Series 2006A, 4.750%, 7/01/36 ☐ MBIA Insured (UB)	7/16 at 100
6,800	Montgomery County Housing Opportunities Commission, Maryland, GNMA/FHA-Insured Multifamily	7/07 at 100

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Housing Revenue Bonds, Series 1996B, 6.400%, 7/01/28 (Alternative Minimum Tax)

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

17,180 Total Maryland

**Massachusetts □ 1.7% (1.0% of Total Investments)**

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 7/07 at 100

1,000 Massachusetts Water Resources Authority, General Revenue Bonds, Series 2007, Residual Trust 7039, 5.850%, 8/01/46 (WI/DD, Settling 2/01/07) □ FSA Insured (IF) 2/17 at 100

9,585 Total Massachusetts

**Michigan □ 7.3% (4.3% 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 □ FGIC Insured 7/16 at 100

Hancock Hospital Finance Authority, Michigan, FHA-Insured Mortgage Hospital Revenue Bonds, Portage Health System Inc., Series 1998:

105 4.625%, 8/01/18 (Pre-refunded 8/01/07) □ MBIA Insured 8/07 at 100

4,400 5.450%, 8/01/47 (Pre-refunded 8/01/08) □ 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

41,855 Total Michigan

**Minnesota □ 1.3% (0.8% of Total Investments)**

900 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 (Pre-refunded 1/01/11) □ FGIC Insured 1/11 at 100

2,875 Saint Paul Port Authority, Minnesota, Lease Revenue Bonds, Regions Hospital Parking Ramp Project, Series 2007-1, 5.000%, 8/01/36 8/16 at 100

7,275 Total Minnesota

**Mississippi □ 1.3% (0.8% of Total Investments)**

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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.

7,055 Total Mississippi

**Missouri □ 0.9% (0.5% of Total Investments)**

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 (Pre-refunded 7/01/11) □ 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% (2.6% 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.

27,345 Total Nevada

**New Jersey □ 5.4% (3.2% of Total Investments)**

2,135	New Jersey Health Care Facilities Financing Authority, Revenue Bonds, Saint Barnabas Health Care System, Series 2006A, 5.000%, 7/01/29	1/17 at 100
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	No Opt.
300	New Jersey Turnpike Authority, Revenue Bonds, Series 1991C: 6.500%, 1/01/16 □ MBIA Insured (ETM)	No Opt.
2,345	New Jersey Turnpike Authority, Revenue Bonds, Series 1991C: 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 (Pre-refunded 6/01/12)	6/12 at 100
3,995	Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds, Series 2003, 6.750%, 6/01/39 (Pre-refunded 6/01/13)	6/13 at 100
5,000	Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds, Series 2007-1A, 4.750%, 6/01/34	6/17 at 100

29,225 Total New Jersey



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**New York ☐ 11.9% (7.0% of Total Investments)**

	Dormitory Authority of the State of New York, State Personal Income Tax Revenue Bonds, Education, Series 2006C:		
1,510	5.000%, 12/15/31 (UB)		12/16 at 100
6,360	5.000%, 12/15/35 (UB)		12/16 at 100
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)		No Opt.
4,070	Hudson Yards Infrastructure Corporation, New York, Revenue Bonds, Series 2006A, 4.500%, 2/15/47 ☐ MBIA Insured (UB)		2/17 at 100
3,300	Long Island Power Authority, New York, Electric System Revenue Bonds, Series 2006F, 4.250%, 5/01/33 ☐ MBIA Insured (UB)		11/16 at 100
11,825	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 1998C, 5.000%, 5/01/26		5/08 at 100
	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 1998C:		
35	5.000%, 5/01/26 (Pre-refunded 5/01/08)		5/08 at 100
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
990	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		2/07 at 100
	New York State Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed and State Contingency Contract-Backed Bonds, Series 2003A-1:		
10,800	5.500%, 6/01/16		6/10 at 100
2,500	5.500%, 6/01/18		6/12 at 100
4,645	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)		No Opt.
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 ☐ MBIA Insured (Alternative Minimum Tax)		No Opt.
66,040	Total New York		

**North Carolina ☐ 2.6% (1.6% of Total Investments)**

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 ☐ MBIA Insured		No Opt.
10,000	North Carolina Municipal Power Agency 1, Catawba Electric Revenue Bonds, Series 2003A, 5.250%, 1/01/18 ☐ MBIA Insured		1/13 at 100
14,445	Total North Carolina		

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**Ohio □ 2.3% (1.4% of Total Investments)**

8,065	Cleveland, Ohio, Airport System Revenue Bonds, Series 2001A, 5.000%, 1/01/31 □ FSA Insured	1/10 at 100
935	Cleveland, Ohio, Airport System Revenue Bonds, Series 2001A, 5.000%, 1/01/31 (Pre-refunded 1/01/10) □ 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)	7/07 at 100

13,000 Total Ohio

**Oklahoma □ 0.7% (0.4% of Total Investments)**

310	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 □ CONNIE LEE/AMBA Insured (ETM)	No Opt.

3,650 Total Oklahoma

**Pennsylvania □ 2.0% (1.2% of Total Investments)**

3,500	Pennsylvania Economic Development Financing Authority, Senior Lien Resource Recovery Revenue Bonds, Northampton Generating Project, Series 1994A, 6.400%, 1/01/09 (Alternative Minimum Tax)	7/07 at 100
5,485	Pennsylvania Public School Building Authority, Lease Revenue Bonds, School District of Philadelphia, Series 2006B, 4.500%, 6/01/32 □ FSA Insured (UB)	12/16 at 100
2,600	Pennsylvania Turnpike Commission, Turnpike Revenue Bonds, Series 2004A, 5.500%, 12/01/31 □ AMBAC Insured	12/14 at 100

11,585 Total Pennsylvania

**Puerto Rico □ 2.4% (1.4% 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.
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**Rhode Island □ 3.7% (2.2% 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
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**South Carolina □ 4.2% (2.5% 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	7/07 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.

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22,955 Total South Carolina

**South Dakota □ 0.3% (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 □ 0.5% (0.3% of Total Investments)**

5,075 Knox County Health, Educational and Housing Facilities Board, Tennessee, Hospital Revenue Refunding Bonds, Covenant Health, Series 2006, 0.000%, 1/01/41 1/17 at 30

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

680 Sullivan County Health Educational and Housing Facilities Board, Tennessee, Revenue Bonds, Wellmont Health System, Series 2006C, 5.250%, 9/01/36 9/16 at 100

7,255 Total Tennessee

**Texas □ 18.0% (10.5% 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) 6/07 at 100

5,440 Board of Regents, University of Texas System, Financing System Revenue Bonds, Series 2006F, 4.250%, 8/15/36 (UB) 2/17 at 100

4,000 Central Texas Regional Mobility Authority, Travis and Williamson Counties, Toll Road Revenue Bonds, Series 2005, 5.000%, 1/01/35 □ FGIC Insured 1/15 at 100

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

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.

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

139 Midland Housing Finance Corporation, Texas, Single Family Mortgage Revenue Refunding Bonds, Series 1992A, 8.450%, 12/01/11 5/07 at 100

Montgomery Independent School District, Montgomery County, Texas, Unlimited Tax School Building and Refunding Bonds, Series 2001: 2/11 at 100

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:

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3,025	5.000%, 2/15/26	8/11 at 100
2,300	5.125%, 2/15/31	8/11 at 100
700	Mt. Pleasant Independent School District, Titus County, Texas, General Obligation Refunding Bonds, Series 2001, 5.125%, 2/15/31 (Pre-refunded 8/15/11)	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%, 12/15/18 (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)	5/07 at 100

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145,119 Total Texas

**Utah ☐ 5.3% (3.1% 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
5,065	Intermountain Power Agency, Utah, Power Supply Revenue Bonds, Series 1996A, 6.150%, 7/01/14 (ETM)	7/07 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
525	Utah Housing Finance Agency, Single Family Mortgage Bonds, Series 2000G, 5.875%, 7/01/27 (Alternative Minimum Tax)	7/10 at 100
	Utah Housing Finance Agency, Single Family Mortgage Bonds, Series 2001C:	
1,630	5.500%, 1/01/18 (Alternative Minimum Tax)	1/11 at 100
515	5.650%, 1/01/21 (Alternative Minimum Tax)	1/11 at 100

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30,190 Total Utah

**Virginia ☐ 1.5% (0.9% 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
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**Washington ☐ 10.0% (5.9% 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	1/15 at 100

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	Development, Series 2005A, 5.000%, 1/01/34 ☐ FGIC Insured	
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%
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%
4,620	Washington State Tobacco Settlement Authority, Tobacco Settlement Asset-Backed Revenue Bonds, Series 2002, 6.500%, 6/01/26	6/13 at 100%

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55,190 Total Washington

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**Wisconsin ☐ 2.3% (1.4% 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	12/08 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%
5,000	Wisconsin State, General Obligation Bonds, Series 2006A, 4.750%, 5/01/25 ☐ FGIC Insured	5/16 at 100%

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13,000 Total Wisconsin

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\$ 1,071,491 Total Investments (cost \$943,373,228) ☐ 169.7%

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Floating Rate Obligation ☐ (13.1%)

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Other Assets Less Liabilities ☐ 1.3%

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Preferred Shares, at Liquidation Value ☐ (57.9)%

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Net Assets Applicable to Common Shares ☐ 100%

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- (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

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

N/R Not rated.

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

(ETM) Escrowed to maturity.

(UB) Underlying bond of an inverse floating rate trust reflected as a financing transaction pursuant to the provisions of SFAS No. 140.

(IF) Inverse floating rate investment.

### 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, timing differences in recognizing certain gains and losses on investment transactions and the treatment of investments in inverse floating rate transactions subject to SFAS No.140.

At January 31, 2007, the cost of investments was \$866,747,559.

Gross unrealized appreciation and gross unrealized depreciation of investments at January 31, 2007, were as follows:

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Gross unrealized:	
Appreciation	\$50,098,000
Depreciation	(1,649,054)

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Net unrealized appreciation (depreciation) of investments	\$48,448,946
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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

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 March 30, 2007

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 March 30, 2007

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

Date March 30, 2007

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