

NUVEEN CONNECTICUT PREMIUM INCOME MUNICIPAL FUND
Form N-Q
October 30, 2009

**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 811-7606

Nuveen Connecticut 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: 8/31/09

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 Connecticut Premium Income Municipal Fund (NTC)

August 31, 2009

Principal

Amount (000) Description (1)**Consumer Staples 1.7% (1.2% of Total Investments)**

\$ 1,350 Puerto Rico, The Children's Trust Fund, Tobacco Settlement Asset-Backed Refunding Bonds, Series 2002, 5.375%, 5/15/33

Education and Civic Organizations 37.5% (25.1% of Total Investments)

1,595 Connecticut Health and Education Facilities Authority, Revenue Bonds, Quinnipiac University, Series 2007-I, 5.000%, 7/01/25 NPFPG Insured

1,050 Connecticut Health and Education Facilities Authority, University of Hartford Revenue Bonds, Series 2006G, 5.250%, 7/01/36 RAAI Insured

925 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Brunswick School, Series 2003B, 5.000%, 7/01/33 NPFPG Insured

200 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Canterbury School, Series 2006B, 5.000%, 7/01/36 RAAI Insured

305 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Chase Collegiate School, Series 2007A, 5.000%, 7/01/27 RAAI Insured

725 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Fairfield University, Series 1998H, 5.000%, 7/01/23 MBIA Insured

750 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Horace Bushnell Memorial Hall, Series 1999A, 5.625%, 7/01/29 NPFPG Insured

800 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Loomis Chaffee School, Series 2005F, 5.250%, 7/01/19 AMBAC Insured

270 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Renbrook School, Series 2007A, 5.000%, 7/01/37 AMBAC Insured

1,375 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Trinity College, Series 2004H, 5.000%, 7/01/21 NPFPG Insured

2,000 Connecticut Health and Educational Facilities Authority, Revenue Bonds, University of Hartford, Series 2002E, 5.250%, 7/01/32 RAAI Insured

1,500 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Yale University, Series 2002W, 5.125%, 7/01/27

1,500 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Yale University, Series 2003X-1, 5.000%, 7/01/42 (UB)

3,550 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Yale University, Series 2007Z-1, 5.000%, 7/01/42 (UB)

6,150 Connecticut Health and Educational Facilities Authority, Revenue Bonds, Yale University, Series 2007Z-3, 5.050%, 7/01/42 (UB)

250 Connecticut Higher Education Supplemental Loan Authority, Revenue Bonds, Family Education Loan Program, Series 1999A, 6.000%, 11/15/18 AMBAC Insured (Alternative Minimum Tax)

615 Connecticut Higher Education Supplemental Loan Authority, Revenue Bonds, Family Education Loan Program, Series 2001A, 5.250%, 11/15/18 NPFPG Insured (Alternative Minimum Tax)

1,000 University of Connecticut, General Obligation Bonds, Series 2004A, 5.000%, 1/15/18 NPFPG Insured

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1,220	University of Connecticut, General Obligation Bonds, Series 2005A, 5.000%, 2/15/17 FSA Insured	2
685	University of Connecticut, General Obligation Bonds, Series 2006A, 5.000%, 2/15/23 FGIC Insured	2
1,000	University of Connecticut, Student Fee Revenue Refunding Bonds, Series 2002A, 5.250%, 11/15/19 FGIC Insured	1
27,465	Total Education and Civic Organizations	
	Health Care 15.4% (10.3% of Total Investments)	
	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Bristol Hospital, Series 2002B:	
500	5.500%, 7/01/21 RAAI Insured	
700	5.500%, 7/01/32 RAAI Insured	
645	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Eastern Connecticut Health Network, Series 2000A, 6.000%, 7/01/25 RAAI Insured	
	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Griffin Hospital, Series 2005B:	
800	5.000%, 7/01/20 RAAI Insured	
500	5.000%, 7/01/23 RAAI Insured	
385	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Hospital For Special Care, Series 2007C, 5.250%, 7/01/32 RAAI Insured	
2,620	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Middlesex Hospital, Series 2006, 5.000%, 7/01/32 FSA Insured	
2,000	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Stamford Hospital, Series 1999G, 5.000%, 7/01/24 NCFG Insured	
1,395	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Yale-New Haven Hospital, Series 2006J-1, 5.000%, 7/01/31 AMBAC Insured	
3,000	Connecticut Health and Educational Facilities Authority, Revenue Refunding Bonds, Middlesex Health Services, Series 1997H, 5.125%, 7/01/27 NCFG Insured	
12,545	Total Health Care	
	Housing/Multifamily 2.6% (1.8% of Total Investments)	
1,000	Connecticut Housing Finance Authority, Housing Mortgage Finance Program Bonds, Series 1999D-2, 6.200%, 11/15/41 (Alternative Minimum Tax)	1
1,000	Connecticut Housing Finance Authority, Multifamily Housing Mortgage Finance Program Bonds, Series 2006G-2, 4.800%, 11/15/27 (Alternative Minimum Tax)	1
2,000	Total Housing/Multifamily	
	Housing/Single Family 7.6% (5.1% of Total Investments)	
	Connecticut Housing Finance Authority, Housing Mortgage Finance Program Bonds, Series 2001C:	
1,000	5.300%, 11/15/33 (Alternative Minimum Tax)	1
500	5.450%, 11/15/43 (Alternative Minimum Tax)	1
1,675	Connecticut Housing Finance Authority, Housing Mortgage Finance Program Bonds, Series 2004-A5, 5.050%, 11/15/34	5

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	Connecticut Housing Finance Authority, Housing Mortgage Finance Program Bonds, Series 2006-A1:	
205	4.700%, 11/15/26 (Alternative Minimum Tax)	1
220	4.800%, 11/15/31 (Alternative Minimum Tax)	1
2,100	Connecticut Housing Finance Authority, Housing Mortgage Finance Program Bonds, Series 2006D, 4.650%, 11/15/27	3
5,700	Total Housing/Single Family	
	Industrials 2.2% (1.5% of Total Investments)	
1,750	Connecticut Resource Recovery Authority, Revenue Bonds, American Ref-Fuel Company of Southeastern Connecticut LP, Series 1998A-I, 5.500%, 11/15/15 (Alternative Minimum Tax)	13
	Long-Term Care 4.1% (2.8% of Total Investments)	
470	Connecticut Development Authority, First Mortgage Gross Revenue Refunding Healthcare Bonds, Church Homes Inc. Congregational Avery Heights, Series 1997, 5.700%, 4/01/12	10
615	Connecticut Development Authority, First Mortgage Gross Revenue Refunding Healthcare Bonds, Connecticut Baptist Homes Inc., Series 1999, 5.500%, 9/01/15 RAAI Insured	9
	Connecticut Development Authority, Revenue Refunding Bonds, Duncaster Inc., Series 1999A:	
1,000	5.250%, 8/01/19 RAAI Insured	2
1,000	5.375%, 8/01/24 RAAI Insured	2
3,085	Total Long-Term Care	
	Tax Obligation/General 23.0% (15.5% of Total Investments)	
750	Bridgeport, Connecticut, General Obligation Refunding Bonds, Series 2002A, 5.375%, 8/15/19 FGIC Insured	8
760	Capitol Region Education Council, Connecticut, Revenue Bonds, Series 1995, 6.700%, 10/15/10	10
1,110	Connecticut State, General Obligation Bonds, Series 2004C, 5.000%, 4/01/23 FGIC Insured	4
2,000	Connecticut State, General Obligation Bonds, Series 2006A, 4.750%, 12/15/24	12
1,300	Connecticut State, General Obligation Bonds, Series 2006C, 5.000%, 6/01/23 FSA Insured	0
	Hartford, Connecticut, General Obligation Bonds, Series 2005A:	
775	5.000%, 8/01/20 FSA Insured	8
525	4.375%, 8/01/24 FSA Insured	8
500	New Haven, Connecticut, General Obligation Bonds, Series 2006, 5.000%, 11/01/17 AMBAC Insured	1
500	North Haven, Connecticut, General Obligation Bonds, Series 2006, 5.000%, 7/15/24	
1,860	Puerto Rico, General Obligation and Public Improvement Bonds, Series 2001A, 5.500%, 7/01/20 NPFG Insured	
	Regional School District 16, Beacon Falls and Prospect, Connecticut, General Obligation Bonds, Series 2000:	
350	5.500%, 3/15/18 FSA Insured	3
350	5.625%, 3/15/19 FSA Insured	3
350	5.700%, 3/15/20 FSA Insured	3
1,420	Regional School District 16, Connecticut, General Obligation Bonds, Series 2003, 5.000%, 3/15/16 AMBAC Insured	3
	Suffield, Connecticut, General Obligation Bonds, Series 2005:	
465	5.000%, 6/15/17	

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460	5.000%	6/15/19	
1,000	5.000%	6/15/21	
1,500	West Hartford, Connecticut, General Obligation Bonds, Series 2005B, 5.000%, 10/01/18		
15,975	Total Tax Obligation/General		
	Tax Obligation/Limited 21.4% (14.4% of Total Investments)		
	Connecticut Health and Educational Facilities Authority, Child Care Facilities Program Revenue Bonds, Series 2006F:		
1,300	5.000%	7/01/31	AGC Insured
1,000	5.000%	7/01/36	AGC Insured
1,945	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Child Care Facilities Program, Series 1999C, 5.625%, 7/01/29 AMBAC Insured		
	Connecticut, Special Tax Obligation Transportation Infrastructure Purpose Bonds, Series 2002B:		
2,000	5.000%	12/01/20	AMBAC Insured
1,000	5.000%	12/01/21	AMBAC Insured
500	Connecticut, Special Tax Obligation Transportation Infrastructure Purpose Bonds, Series 2003B, 5.000%, 1/01/23 FGIC Insured		
1,750	Connecticut, Special Tax Obligation Transportation Infrastructure Purpose Revenue Bonds, Series 2007A, 5.000%, 8/01/27 AMBAC Insured		
	Puerto Rico Infrastructure Financing Authority, Special Tax Revenue Bonds, Series 2005A:		
960	0.000%	7/01/32	FGIC Insured
2,615	0.000%	7/01/33	FGIC Insured
2,000	Puerto Rico Municipal Finance Agency, Series 2002A, 5.250%, 8/01/21 FSA Insured		
2,400	Puerto Rico Municipal Finance Agency, Series 2005C, 5.000%, 8/01/16 FSA Insured		
1,000	Virgin Islands Public Finance Authority, Gross Receipts Taxes Loan Note, Series 2003, 5.250%, 10/01/19 FSA Insured		
18,470	Total Tax Obligation/Limited		
	Transportation 1.0% (0.6% of Total Investments)		
750	Connecticut, General Airport Revenue Bonds, Bradley International Airport, Series 2001A, 5.125%, 10/01/26 FGIC Insured (Alternative Minimum Tax)		
	U.S. Guaranteed 14.4% (9.6% of Total Investments) (4)		
1,300	Connecticut Health and Educational Facilities Authority, FHA-Insured Mortgage Revenue Bonds, Hebrew Home and Hospital, Series 1999B, 5.200%, 8/01/38 (Pre-refunded 11/20/09)		
50	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Eastern Connecticut Health Network, Series 2000A, 6.000%, 7/01/25 (Pre-refunded 7/01/10) RAAI Insured		
650	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Loomis Chaffee School, Series 2001D, 5.500%, 7/01/23 (Pre-refunded 7/01/11)		
40	Connecticut, General Obligation Bonds, Series 1993E, 6.000%, 3/15/12 (ETM)		
1,500	Connecticut, General Obligation Bonds, Series 2002B, 5.500%, 6/15/21 (Pre-refunded 6/15/12)		
600	Guam Economic Development Authority, Tobacco Settlement Asset-Backed Bonds, Series 2001B, 5.500%, 5/15/41 (Pre-refunded 5/15/11)		
1,000	Hartford, Connecticut, Parking System Revenue Bonds, Series 2000A, 6.400%, 7/01/20		

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(Pre-refunded 7/01/10)

400	Northern Mariana Islands, General Obligation Bonds, Series 2000A, 6.000%, 6/01/20 (Pre-refunded 6/01/10) ACA Insured	0
1,000	Puerto Rico Infrastructure Financing Authority, Special Obligation Bonds, Series 2000A, 5.500%, 10/01/40	10
300	Puerto Rico, The Children's Trust Fund, Tobacco Settlement Asset-Backed Bonds, Series 2000, 5.750%, 7/01/20 (Pre-refunded 7/01/10)	2
1,100	University of Connecticut, General Obligation Bonds, Series 2003A, 5.125%, 2/15/21 (Pre-refunded 2/15/13) MBIA Insured	2
1,000	Virgin Islands Public Finance Authority, Gross Receipts Taxes Loan Note, Series 1999A, 6.500%, 10/01/24 (Pre-refunded 10/01/10)	10
1,000	Waterbury, Connecticut, General Obligation Bonds, Series 2002A, 5.375%, 4/01/17 (Pre-refunded 4/01/12) FSA Insured	4
9,940	Total U.S. Guaranteed Utilities 6.4% (4.3% of Total Investments)	
1,150	Bristol Resource Recovery Facility Operating Committee, Connecticut, Solid Waste Revenue Bonds, Covanta Bristol Inc., Series 2005, 5.000%, 7/01/12 AMBAC Insured	
1,000	Connecticut Development Authority, Pollution Control Revenue Refunding Bonds, Connecticut Light and Power Company, Series 1993A, 5.850%, 9/01/28	10
1,070	Connecticut Development Authority, Solid Waste Disposal Facilities Revenue Bonds, PSEG Power LLC Project, Series 2007A, 5.750%, 11/01/37 (Alternative Minimum Tax) Eastern Connecticut Resource Recovery Authority, Solid Waste Revenue Bonds, Wheelabrator Lisbon Project, Series 1993A:	1
310	5.500%, 1/01/14 (Alternative Minimum Tax)	
1,290	5.500%, 1/01/20 (Alternative Minimum Tax)	
4,820	Total Utilities Water and Sewer 11.7% (7.8% of Total Investments)	
500	Connecticut Development Authority, Water Facility Revenue Bonds, Aquarion Water Company Project, Series 2007, 5.100%, 9/01/37 SYNCORA GTY Insured (Alternative Minimum Tax)	9
1,185	Connecticut, State Revolving Fund General Revenue Bonds, Series 2003A, 5.000%, 10/01/16 Greater New Haven Water Pollution Control Authority, Connecticut, Regional Wastewater System Revenue Bonds, Series 2005A:	10
1,520	5.000%, 11/15/30 NPMFG Insured	1
2,260	5.000%, 8/15/35 NPMFG Insured South Central Connecticut Regional Water Authority, Water System Revenue Bonds, Eighteenth Series 2003A:	1
1,000	5.000%, 8/01/20 NPMFG Insured	8
1,075	5.000%, 8/01/33 NPMFG Insured	8
1,100	Stamford, Connecticut, Water Pollution Control System and Facility Revenue Bonds, Series 2003A, 5.000%, 11/15/32	1
8,640	Total Water and Sewer	

\$	112,490	Total Investments (cost \$111,793,135)	149.0%
		Floating Rate Obligations	(10.7)%
		Other Assets Less Liabilities	6.5%
		Preferred Shares, at Liquidation Value	(44.8)% (5)
		Net Assets Applicable to Common Shares	100%

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 methodology 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, 2009:

	Level 1	Level 2	Level 3	Total
Investments:				
Municipal Bonds	\$	\$111,288,895	\$	\$111,288,895

Income Tax Information

The following information is presented on an income tax basis. Differences between amounts for financial statement and federal income tax purposes are primarily due to timing differences in recognizing taxable market discount, timing differences in recognizing certain gains and losses on investment transactions and the treatment of investments in inverse floating rate transactions subject to Statement of Financial Accounting Standards No. 140 (SFAS No. 140), 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, 2009, the cost of investments was \$103,892,546.

Gross unrealized appreciation and gross unrealized depreciation of investments at August 31, 2009, were as follows:

Gross unrealized:	
Appreciation	\$ 2,624,772
Depreciation	(3,192,119)

Net unrealized appreciation (depreciation) of investments \$ (567,347)

- (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 Group ("Standard & Poor's") or Moody's Investor Service, Inc. ("Moody's") rating. Ratings below BBB by Standard & Poor's or Baa by Moody's 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) Preferred Shares, at Liquidation Value as a percentage of Total Investments is 30.1%.
- N/R Not rated.
- (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.

Item 2. Controls and Procedures.

- a. The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act") (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934 (17 CFR 240.13a-15(b) or 240.15d-15(b)).
- b. There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d))) that occurred during the registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3. Exhibits.

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

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Nuveen Connecticut Premium Income Municipal Fund

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

Date October 30, 2009

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 30, 2009

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

Date October 30, 2009