

NUVEEN SELECT MATURITIES MUNICIPAL FUND
Form N-Q
February 28, 2005

**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 811-7056

Nuveen Select Maturities Municipal Fund

(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: 09/30

Date of reporting period: 12/31/04

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 Select Maturities Municipal Fund (NIM)
December 31, 2004

Principal Description	Optional Call Provisions*	Ratings**	Market Value
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QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMP

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Principal Amount (000)		Optional Call	Market
Alabama - 2.1%			
\$ 2,000	Alabama 21st Century Authority, Tobacco Settlement Revenue Bonds, Series 2001, 5.750%, 12/01/17	12/11 at 101.00	A- \$ 2,082,460
500	Marshall County Healthcare Authority, Alabama, Revenue Bonds, Series 2002A, 6.250%, 1/01/22	1/12 at 101.00	A- 548,920
Arizona - 3.9%			
2,470	Arizona Educational Loan Marketing Corporation, Educational Loan Revenue Bonds, Series 1992, 6.375%, 9/01/05 (Alternative Minimum Tax)	3/05 at 100.00	Aaa 2,478,398
1,570	Phoenix Industrial Development Authority, Arizona, Statewide Single Family Mortgage Revenue Bonds, Series 1998C, 6.650%, 10/01/29 (Alternative Minimum Tax)	4/08 at 101.50	AAA 1,618,890
975	Industrial Development Authority, Winslow, Arizona, Hospital Revenue Bonds, Winslow Memorial Hospital Project, Series 1998, 5.750%, 6/01/08	No Opt. Call	N/R 945,331
Arkansas - 3.0%			
1,000	Fort Smith, Arkansas, Water and Sewer Revenue Refunding and Construction Bonds, Series 2002A, 5.250%, 10/01/17 - FSA Insured	10/11 at 100.00	AAA 1,103,710
1,000	Jonesboro, Arkansas, Industrial Development Revenue Bonds, Anheuser Busch Inc. Project, Series 2002, 4.600%, 11/15/12	No Opt. Call	A+ 1,056,390
1,380	North Little Rock, Arkansas, Electric Revenue Refunding Bonds, Series 1992A, 6.500%, 7/01/15 - MBIA Insured	No Opt. Call	AAA 1,679,805
California - 1.8%			
2,115	Vernon, California, Electric System Revenue Bonds, Malburg Generating Station Project, Series 2003C, 5.250%, 4/01/17 (Pre-refunded to 4/01/08)	4/08 at 100.00	Aaa 2,311,653
Colorado - 9.3%			
1,475	Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Douglas County School District RE-1 - DCS Montessori School, Series 2002A, 6.000%, 7/15/22	7/12 at 100.00	BBB 1,486,505
1,175	Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Classical Academy, Series 2003, 4.500%, 12/01/18 - XLCA Insured	12/13 at 100.00	AAA 1,203,153
660	Colorado Housing Finance Authority, Single Family Program Senior Bonds, Series 2000D-2, 6.900%, 4/01/29 (Alternative Minimum Tax)	4/10 at 105.00	AA 677,312
1,000	Denver Health and Hospitals Authority, Colorado, Healthcare Revenue Bonds, Series 2001A, 6.000%, 12/01/23	12/11 at 100.00	BBB 1,049,830
1,465	Denver West Metropolitan District, Colorado, General Obligation Refunding and Improvement Bonds,	12/13 at 100.00	AA 1,474,581

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Principal		Optional Call		Market
	Series 2003, 4.500%, 12/01/18 - RAAI Insured			
199	El Paso County, Colorado, FNMA Mortgage-Backed Single Family Revenue Refunding Bonds, Series 1992A-2, 8.750%, 6/01/11	No Opt. Call	Aaa	201,058
5,875	Northwest Parkway Public Highway Authority, Colorado, Senior Lien Revenue Bonds, Series 2001B, 0.000%, 6/15/27 - AMBAC Insured	6/11 at 38.04	AAA	1,676,079
1,000	Summit County, Colorado, Sports Facilities Revenue Refunding Bonds, Keystone Resorts Management, Inc. Project, Series 1990, 7.750%, 9/01/06	No Opt. Call	AAA	1,085,350
2,845	University of Colorado Hospital Authority, Hospital Revenue Bonds, Series 2001A, 5.600%, 11/15/21	11/11 at 100.00	A3	3,000,735
Connecticut - 1.7%				
	Eastern Connecticut Resource Recovery Authority, Solid Waste Revenue Bonds, Wheelabrator Lisbon Project, Series 1993A:			
500	5.500%, 1/01/14 (Alternative Minimum Tax)	1/05 at 100.00	BBB	509,400
1,570	5.500%, 1/01/15 (Alternative Minimum Tax)	1/05 at 100.00	BBB	1,606,503
District of Columbia - 4.1%				
	District of Columbia, General Obligation Refunding Bonds, Series 1993A:			
900	6.000%, 6/01/07 - MBIA Insured	No Opt. Call	AAA	950,814
4,105	6.000%, 6/01/07 - MBIA Insured	No Opt. Call	AAA	4,322,647
Florida - 2.1%				
2,400	Deltona, Florida, Utility Systems Water and Sewer Revenue Bonds, Series 2003, 5.250%, 10/01/17 - MBIA Insured	10/13 at 100.00	AAA	2,665,536
Illinois - 11.4%				
895	Chicago, Illinois, Tax Increment Allocation Bonds, Irving/Cicero Redevelopment Project, Series 1998, 7.000%, 1/01/14	1/09 at 100.00	N/R	916,059
2,000	Illinois Development Finance Authority, Revenue Refunding Bonds, Olin Corporation Project, Series 1993D, 6.750%, 3/01/16	4/10 at 102.00	BBB-	2,102,260
4,965	Illinois Development Finance Authority, GNMA Collateralized Mortgage Revenue Bonds, Greek American Nursing Home Project, Series 2000A, 7.600%, 4/20/40	4/11 at 105.00	Aaa	5,429,674
2,000	Illinois Educational Facilities Authority, Revenue Bonds, Art Institute of Chicago, Series 2000, 4.450%, 3/01/34 (Mandatory put 3/01/15)	No Opt. Call	A1	2,008,180
1,000	Illinois Health Facilities Authority, Revenue Refunding Bonds, Edward Hospital, Series 1993A, 6.000%, 2/15/19	2/05 at 101.00	A+	1,022,660
1,210	Illinois Health Facilities Authority, Revenue Bonds, Silver Cross Hospital and Medical Centers, Series 1999, 5.500%, 8/15/19	8/09 at 101.00	A-	1,251,588
850	Illinois Housing Development Authority, Section 8 Elderly Housing Revenue Bonds, Skyline Towers Apartments, Series 1992B, 6.625%, 11/01/07	5/05 at 100.00	A-	851,683

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Principal		Optional Call		Market
1,000	Illinois Educational Facilities Authority, Student Housing Revenue Bonds, Educational Advancement Foundation Fund, University Center Project, Series 2002, 6.625%, 5/01/17	5/12 at 101.00	Baa2	1,127,400
Indiana - 0.8%				
1,000	Indianapolis Local Public Improvement Bond Bank, Indiana, Series 1992D, 6.600%, 2/01/07	No Opt. Call	AA	1,084,890
Iowa - 2.1%				
1,000	Iowa Finance Authority, Healthcare Revenue Bonds, Genesis Medical Center, Series 2000, 6.250%, 7/01/25	7/10 at 100.00	A1	1,082,150
1,800	Iowa Tobacco Settlement Authority, Tobacco Settlement Asset-Backed Revenue Bonds, Series 2001B, 5.300%, 6/01/25	6/11 at 101.00	BBB	1,590,012
Kansas - 2.9%				
3,500	Wichita, Kansas, Hospital Revenue Refunding and Improvement Bonds, Via Christi Health System Inc., Series 2001-III, 5.500%, 11/15/21	11/11 at 101.00	A+	3,738,000
Maryland - 0.9%				
1,100	Maryland Energy Financing Administration, Revenue Bonds, AES Warrior Run Project, Series 1995, 7.400%, 9/01/19 (Alternative Minimum Tax)	9/05 at 102.00	N/R	1,125,245
Massachusetts - 2.0%				
1,000	Massachusetts Industrial Finance Agency, Resource Recovery Remarketed Revenue Refunding Bonds, Ogden Haverhill Project, Series 1992A, 4.850%, 12/01/05	No Opt. Call	BBB	1,009,880
1,490	Massachusetts Housing Finance Agency, Rental Housing Mortgage Revenue Bonds, Series 2000H, 6.650%, 7/01/41 (Alternative Minimum Tax) - MBIA Insured	7/10 at 100.00	AAA	1,598,308
Michigan - 2.7%				
1,000	Cornell Township Economic Development Corporation, Michigan, Environmental Improvement Revenue Refunding Bonds, MeadWestvaco Corporation-Escanaba Project, Series 2002, 5.875%, 5/01/18	5/12 at 100.00	BBB	1,073,130
1,326	Michigan State Hospital Finance Authority, Collateralized Loan, Detroit Medical Center, Series 2001, 7.360%, 4/01/07	No Opt. Call	Baa2	1,336,662
470	Michigan State Hospital Finance Authority, Revenue Refunding Bonds, Detroit Medical Center, Series 1988A, 8.125%, 8/15/12	No Opt. Call	Ba3	470,564
600	Michigan State Hospital Finance Authority, Hospital Revenue Refunding Bonds, Sinai Hospital, Series 1995, 6.625%, 1/01/16	1/06 at 102.00	Ba3	591,504
Minnesota - 0.9%				
1,000	White Earth Band of Chippewa Indians, Minnesota, Revenue Bonds, Series 2000A, 7.000%, 12/01/11 - ACA Insured	No Opt. Call	A	1,122,390

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Principal		Optional Call		Market
Nebraska - 0.8%				
1,000	Dodge County School District 1, Nebraska, Fremont Public Schools, General Obligation Bonds, Series 2004, 5.000%, 12/15/19 - FSA Insured	12/14 at 100.00	Aaa	1,078,460
New York - 9.2%				
1,000	Dormitory Authority of the State of New York, Revenue Bonds, Brooklyn Law School, Series 2003A, 5.500%, 7/01/15 - RAAI Insured	7/13 at 100.00	AA	1,115,960
1,500	New York State Energy Research and Development Authority, Facilities Revenue Bonds, Consolidated Edison Company Inc., Series 2001A, 4.700%, 6/01/36 (Alternative Minimum Tax) (Mandatory put 10/01/12)	10/05 at 100.00	A1	1,508,280
1,415	New York State Medical Care Facilities Finance Agency, FHA-Insured Mortgage Hospital and Nursing Home Revenue Bonds, Series 1995C, 6.100%, 8/15/15	2/06 at 102.00	AA+	1,493,688
2,130	Niagara Falls, Niagara County, New York, General Obligation Water Treatment Plant Bonds, Series 1994, 8.500%, 11/01/07 (Alternative Minimum Tax) - MBIA Insured	No Opt. Call	AAA	2,458,041
4,300	Port Authority of New York and New Jersey, Special Project Bonds, JFK International Air Terminal LLC, Sixth Series 1997, 7.000%, 12/01/12 (Alternative Minimum Tax) - MBIA Insured	No Opt. Call	AAA	5,168,428
North Carolina - 1.6%				
1,880	Union County, North Carolina, Certificates of Participation, Series 2003, 5.000%, 6/01/18 - AMBAC Insured	6/13 at 101.00	AAA	2,030,137
Ohio - 1.6%				
970	Hamilton County, Ohio, Hospital Facilities Revenue Refunding Bonds, Bethesda Hospital Inc., Series 1992A, 6.250%, 1/01/06	No Opt. Call	A***	987,916
1,000	Toledo-Lucas County Port Authority, Ohio, Port Revenue Bonds, Cargill Inc. Project, Series 2004B, 4.500%, 12/01/15	No Opt. Call	A+	1,031,950
Oklahoma - 1.0%				
1,150	Oklahoma State Industries Authority, Health System Revenue Refunding Bonds, Baptist Medical Center, Series 1995D, 5.000%, 8/15/14 - AMBAC Insured	8/06 at 102.00	AAA	1,215,492
Pennsylvania - 2.5%				
1,500	Pennsylvania Economic Development Financing Authority, Resource Recovery Revenue Bonds, Colver Project, Series 1994D, 7.150%, 12/01/18 (Alternative Minimum Tax)	12/05 at 101.00	BBB-	1,535,715
1,390	Pennsylvania Higher Educational Facilities Authority, College Revenue Bonds, Ninth Series 1976, 7.625%, 7/01/15	No Opt. Call	Aaa	1,676,020
South Carolina - 4.0%				

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Principal		Optional Call		Market
	Piedmont Municipal Power Agency, South Carolina, Electric Revenue Bonds, Series 1991:			
1,040	6.750%, 1/01/19 - FGIC Insured	No Opt. Call	AAA	1,351,522
1,460	6.750%, 1/01/19 - FGIC Insured	No Opt. Call	AAA	1,860,916
1,250	South Carolina JOBS Economic Development Authority, Hospital Revenue Bonds, Palmetto Health Alliance, Series 2000A, 7.000%, 12/15/10	No Opt. Call	BBB	1,452,125
500	Tobacco Settlement Revenue Management Authority, South Carolina, Tobacco Settlement Asset-Backed Bonds, Series 2001B, 6.000%, 5/15/22	5/11 at 101.00	BBB	494,910
Tennessee - 1.8%				
	Shelby County Health, Educational and Housing Facilities Board, Tennessee, Hospital Revenue Bonds, Methodist Healthcare, Series 2002:			
750	6.000%, 9/01/17	9/12 at 100.00	A-***	878,385
1,250	6.000%, 9/01/17 (Pre-refunded to 9/01/12)	9/12 at 100.00	A-***	1,467,750
Texas - 7.1%				
1,055	Austin, Texas, General Obligation Bonds, Series 2004, 5.000%, 9/01/20 - MBIA Insured	9/14 at 100.00	AAA	1,129,662
445	Austin-Travis County Mental Health Center, Texas, Revenue Bonds, Mental Health and Mental Retardation Center Facilities Acquisition Program, Series 1995A, 6.500%, 3/01/15 - FSA Insured	3/05 at 101.00	AAA	452,311
2,000	Brazos River Authority, Texas, Collateralized Revenue Refunding Bonds, CenterPoint Energy Inc., Series 2004B, 4.250%, 12/01/17 - FGIC Insured	6/14 at 100.00	AAA	2,018,500
210	Galveston Property Finance Authority Inc., Texas, Single Family Mortgage Revenue Bonds, Series 1991A, 8.500%, 9/01/11	3/05 at 100.00	A3	210,678
770	Gulf Coast Mental Health Centers, Texas, Revenue Bonds, Mental Health and Mental Retardation Facilities Acquisition Program, Series 1995C, 6.500%, 3/01/15 - FSA Insured	3/05 at 101.00	AAA	782,651
2,500	Matagorda County Navigation District 1, Texas, Pollution Control Revenue Refunding Bonds, Central Power and Light Company, Series 2001A, 4.550%, 11/01/29 (Mandatory put 11/01/06)	No Opt. Call	BBB+	2,577,300
900	Tom Green County Health Facilities Development Corporation, Texas, Hospital Revenue Bonds, Shannon Health System Project, Series 2001, 5.600%, 5/15/06	No Opt. Call	Baa3	922,644
300	Travis County Health Facilities Development Corporation, Texas, Hospital Revenue Bonds, Daughters of Charity National Health System, Series 1993B, 5.900%, 11/15/07	5/05 at 101.00	Aaa	303,591
610	Tri-County Mental Health and Retardation Center, Texas, Revenue Bonds, Facilities Acquisition Program, Series 1995E, 6.500%, 3/01/15 - FSA Insured	3/05 at 101.00	AAA	620,022
Utah - 1.7%				
2,055	Bountiful, Davis County, Utah, Hospital Revenue Refunding Bonds, South Davis Community Hospital Project, Series 1998, 6.000%, 12/15/10	No Opt. Call	N/R	2,121,767
Washington - 9.6%				

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Principal		Optional Call		Market
	Washington State Public Power Supply System, Nuclear Project 1 Revenue Refunding Bonds, Series 1993A:			
160	7.000%, 7/01/07	No Opt. Call	Aaa	177,446
1,340	7.000%, 7/01/07	No Opt. Call	Aaa	1,492,680
1,130	7.000%, 7/01/08	No Opt. Call	Aaa	1,302,472
1,870	7.000%, 7/01/08	No Opt. Call	Aaa	2,140,533
7,000	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 3, Series 1990B, 0.000%, 7/01/06	No Opt. Call	Aaa	6,746,950
295	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 3, Series 1989B, 7.125%, 7/01/16 - MBIA Insured	No Opt. Call	AAA	381,217
West Virginia - 1.6%				
2,000	Harrison County Commission, West Virginia, Solid Waste Disposal Revenue Bonds, West Penn Power Company, Series 1994C, 6.750%, 8/01/24 (Alternative Minimum Tax) - MBIA Insured	8/06 at 100.00	AAA	2,047,220
Wisconsin - 3.6%				
	Badger Tobacco Asset Securitization Corporation, Wisconsin, Tobacco Settlement Asset-Backed Bonds, Series 2002:			
930	6.125%, 6/01/27	6/12 at 100.00	BBB	928,819
1,480	6.375%, 6/01/32	6/12 at 100.00	BBB	1,420,785
1,000	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Agnesian Healthcare Inc., Series 2001, 6.000%, 7/01/21	7/11 at 100.00	A-	1,070,070
1,150	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Aurora Health Care Inc., Series 1999A, 5.500%, 2/15/20 - ACA Insured	2/09 at 101.00	A	1,195,632
\$ 122,070	Total Long-Term Investments (cost \$120,251,487) - 97.8%			125,115,944
	Other Assets Less Liabilities - 2.2%			2,768,484
	Net Assets - 100%			\$127,884,428

- * 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.
- ** Ratings: Using the higher of Standard & Poor's or Moody's rating.
- *** Securities are backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities which ensures the timely payment of principal and interest. Such securities are normally considered to be equivalent to AAA rated securities.
- N/R Investment is not rated.

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 income on taxable market discount securities and timing differences in recognizing certain gains and losses on security transactions.

At December 31, 2004, the cost of investments was \$120,168,205. Gross unrealized appreciation and gross unrealized depreciation of investments at December 31, 2004, were as follows:

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Gross unrealized:	
Appreciation	\$5,148,349
Depreciation	(200,610)
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Net unrealized appreciation of investments	\$4,947,739

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 Select Maturities Municipal Fund

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

Date 02/28/05

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--Chief Administrative Officer (principal executive officer)

Date 02/28/05

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

Date 02/28/05

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