NUVEEN SELECT MATURITIES MUNICIPAL FUND Form N-Q August 29, 2007

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM N-Q

nvestment Company Act file number	811-7056
	Nuveen Select Maturities 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:3/31	-
Date of reporting period: 6/30/07	<u> </u>

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)

June 30, 2007

Principal Optional Office Amount (000) Description Provisions

Alabama 🛘 2.1%

	Alabama 2.1%	
\$ 2,000	Alabama 21st Century Authority, Tobacco Settlement Revenue Bonds, Series 2001, 5.750%, 12/01/17	12/11 at 101
500	Marshall County Healthcare Authority, Alabama, Revenue Bonds, Series 2002A, 6.250%, 1/01/22	1/12 at 101
2,500	Total Alabama	
	Arizona 🛘 1.2%	
445	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
750	Surprise Municipal Property Corporation, Arizona, Wastewater System Revenue Bonds, Series 2007, 4.500%, 4/01/17	4/11 at 100
265		No Opt.
1,460	Total Arizona	
	Arkansas 🛮 4.1%	
1,000	Fort Smith, Arkansas, Water and Sewer Revenue Refunding and Construction Bonds, Series 2002A, 5.250%, $10/01/17 \ \Box$ FSA Insured	10/11 at 100
1,500	Jefferson County, Arkansas, Pollution Control Revenue Bonds, Entergy Arkansas Inc. Project, Series 2006, 4.600%, 10/01/17	6/11 at 100
1,000	Jonesboro, Arkansas, Industrial Development Revenue Bonds, Anheuser Busch Inc. Project, Series 2002, 4.600%, 11/15/12	No Opt.
1,380		No Opt.
4,880	Total Arkansas	
	California 🛘 1.7%	
2,115	Vernon, California, Electric System Revenue Bonds, Malburg Generating Station Project, Series 2003C, 5.250%, 4/01/17 (Pre-refunded 4/01/08)	4/08 at 100
	Colorado 🛘 13.3%	
2,895	Centennial Downs Metropolitan District, Colorado, General Obligation Bonds, Series 1999, 5.000%, 12/01/20 🛘 AMBAC Insured	12/14 at 100
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
1,320		7/12 at 100
350		4/10 at 10!
1,025		12/11 at 10
1,465		12/13 at 10
1,340	Eagle Bend Metropolitan District 2, Colorado, General Obligation Bonds, Series 2004, 5.000%,	12/14 at 10
70	12/01/20 ☐ RAAI Insured El Paso County, Colorado, FNMA Mortgage-Backed Single Family Revenue Refunding Bonds, Series	No Opt.

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	1992A-2, 8.750%, 6/01/11	
1,750	Erie, Boulder and Weld Counties, Colorado, Water Enterprise Revenue Bonds, Series 1998, 5.000%, 12/01/23 ☐ ACA Insured	12/08 at 10
70	Northwest Parkway Public Highway Authority, Colorado, Revenue Bonds, Senior Series 2001A, 5.250%, 6/15/41 FSA Insured	6/11 at 10
5,875	Northwest Parkway Public Highway Authority, Colorado, Senior Lien Revenue Bonds, Series 2001B, 0.000%, 6/15/27 AMBAC Insured	6/11 at 3
2,845	University of Colorado Hospital Authority, Revenue Bonds, Series 2001A, 5.600%, 11/15/21 (Pre-refunded 11/15/11)	11/11 at 10
20,180	Total Colorado	
	Connecticut [] 1.7%	
	Eastern Connecticut Resource Recovery Authority, Solid Waste Revenue Bonds, Wheelabrator	
500	Lisbon Project, Series 1993A:	7:07 10
500 1,570	5.500%, 1/01/14 (Alternative Minimum Tax) 5.500%, 1/01/15 (Alternative Minimum Tax)	7/07 at 10 9/07 at 10
	5.500%, 1/01/15 (Alternative Minimum Tax)	3/U/ at 10
2,070	Total Connecticut	
	Florida 🛘 4.6%	
2,400	Deltona, Florida, Utility Systems Water and Sewer Revenue Bonds, Series 2003, 5.250%, 10/01/17	10/13 at 10
1.000	MBIA Insured Florida Citizens Property Insurance Corporation, High Risk Account Revenue Bonds, Series	No Opt.
,	2007A, 5.000%, 3/01/15 [] MBIA Insured	*** *1
2,000	Orange County, Florida, Tourist Development Tax Revenue Bonds, Series 2005, 5.000%, 10/01/22 []	10/15 at 10
	AMBAC Insured	
5,400	Total Florida	
	Georgia 🛮 0.4%	
465	Cherokee County Water and Sewerage Authority, Georgia, Revenue Bonds, Series 1995, 5.200%,	8/22 at 10
	8/01/25 (Pre-refunded 8/01/22) ☐ MBIA Insured	
	Illinois 🛘 13.0%	
790	Chicago, Illinois, Tax Increment Allocation Bonds, Irving/Cicero Redevelopment Project, Series	1/09 at 10
1 500	1998, 7.000%, 1/01/14 Cook County Township High School District 208, Illinois, General Obligation Bonds, Series	12/15 at 10
1,500	2006, 5.000%, 12/01/21 MBIA Insured	12/13 at 10
2,000		3/17 at 10
4,890	Illinois Development Finance Authority, GNMA Collateralized Mortgage Revenue Bonds, Greek American Nursing Home Committee, Series 2000A, 7.600%, 4/20/40	4/11 at 10
2,000	Illinois Development Finance Authority, Revenue Refunding Bonds, Olin Corporation, Series 1993D, 6.750%, 3/01/16	4/10 at 10
2,000	Illinois Educational Facilities Authority, Revenue Bonds, Art Institute of Chicago, Series 2000, 4.450%, 3/01/34 (Mandatory put 3/01/15)	3/14 at 10
1,000	Illinois Educational Facilities Authority, Student Housing Revenue Bonds, Educational	5/12 at 10

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695	Advancement Foundation Fund, University Center Project, Series 2002, 6.625%, 5/01/17 (Pre-refunded 5/01/12) Illinois Health Facilities Authority, Revenue Bonds, Silver Cross Hospital and Medical Centers, Series 1000, 5 500%, 2/15/10	8/09 at 10:
515	Centers, Series 1999, 5.500%, 8/15/19 Illinois Health Facilities Authority, Revenue Bonds, Silver Cross Hospital and Medical Centers, Series 1999, 5.500%, 8/15/19 (Pre-refunded 8/15/09)	8/09 at 10
15,390	Total Illinois	
	lowa ☐ 2.4% lowa Finance Authority, Healthcare Revenue Bonds, Genesis Medical Center, Series 2000, 6.250%, 7/01/25	7/10 at 100
1,800	lowa Tobacco Settlement Authority, Tobacco Settlement Asset-Backed Revenue Bonds, Series 2001B, 5.300%, 6/01/25 (Pre-refunded 6/01/11)	6/11 at 10
2,800	Total lowa	
3,500	Kansas 🛮 2.9% Wichita, Kansas, Hospital Facilities Revenue Refunding and Improvement Bonds, Via Christi Health System Inc., Series 2001-III, 5.500%, 11/15/21	11/11 at 10:
1,830	Kentucky ☐ 1.5% Kentucky Housing Corporation, Housing Revenue Bonds, Series 2005G, 5.000%, 7/01/30 (Alternative Minimum Tax)	1/15 at 100
1,100	Maryland [] 0.9% Maryland Energy Financing Administration, Revenue Bonds, AES Warrior Run Project, Series 1995, 7.400%, 9/01/19 (Alternative Minimum Tax)	9/07 at 100
	Massachusetts 🛘 1.9%	
500	Massachusetts Development Finance Agency, Revenue Bonds, Orchard Cove, Series 2007, 5.000%, 10/01/19	10/17 at 100
1,465	Massachusetts Housing Finance Agency, Rental Housing Mortgage Revenue Bonds, Series 2000H, 6.650%, 7/01/41 MBIA Insured (Alternative Minimum Tax) Massachusetts Port Authority, Special Facilities Revenue Bonds, Delta Air Lines Inc.,	7/10 at 100
100	Series 2001A: 5.200%, 1/01/20 [] AMBAC Insured (Alternative Minimum Tax)	1/11 at 10:
235	5.000%, 1/01/27 AMBAC Insured (Alternative Minimum Tax)	1/11 at 10:
2,300	Total Massachusetts	
1,000	Michigan 1.7% 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
600	(Pre-refunded 5/01/12) Michigan State Hospital Finance Authority, Hospital Revenue Refunding Bonds, Sinai Hospital,	7/07 at 10:

Series 1995, 6.625%, 1/01/16

470	Michigan State Hospital Finance Authority, Revenue Refunding Bonds, Detroit Medical Center, Series 1988A, 8.125%, 8/15/12	9/07 at 100
2,070	Total Michigan	
1,000	Minnesota [] 0.8% White Earth Band of Chippewa Indians, Minnesota, Revenue Bonds, Series 2000A, 7.000%, 12/01/11 [] ACA Insured	No Opt.
1,000	Nebraska [] 0.8% 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
500	New Jersey [] 0.4% Bayonne Redevelopment Agency, New Jersey, Revenue Bonds, Royal Caribbean Cruises Project, Series 2006A, 4.750%, 11/01/16 (Alternative Minimum Tax)	No Opt.
1,000		7/13 at 100
1,500	Consolidated Edison Company Inc., Series 2001A, 4.700%, 6/01/36 (Mandatory put 10/01/12)	9/07 at 100
420	(Alternative Minimum Tax) New York State Medical Care Facilities Finance Agency, FHA-Insured Mortgage Hospital and Nursing Home Revenue Bonds, Series 1995C, 6.100%, 8/15/15	8/07 at 103
2,130		No Opt.
4,300		No Opt.
9,350	Total New York	
1,880	North Carolina [] 1.6% Union County, North Carolina, Certificates of Participation, Series 2003, 5.000%, 6/01/18 [] AMBAC Insured	6/13 at 101
1,000	Ohio [] 0.8% Toledo-Lucas County Port Authority, Ohio, Port Revenue Bonds, Cargill Inc., Series 2004B, 4.500%, 12/01/15	No Opt.
1,150	Oklahoma [] 0.9% Oklahoma State Industries Authority, Health System Revenue Refunding Bonds, Baptist Medical Center, Series 1995D, 5.000%, 8/15/14 [] AMBAC Insured	8/07 at 101
1,120	Pennsylvania [] 7.9% Pennsylvania Higher Educational Facilities Authority, College Revenue Bonds, Ninth Series	No Opt.

1976, 7.625%, 7/01/15 (ETM)

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4,120	Philadelphia Gas Works, Pennsylvania, Revenue Bonds, Eighteenth Series 2004, 5.000%, 8/01/15 [] AMBAC Insured	8/14 at 100
925	Philadelphia Gas Works, Pennsylvania, Revenue Bonds, Twelfth Series 1990B, 7.000%, 5/15/20 [] MBIA Insured (ETM)	No Opt.
2,085	Pittsburgh School District, Allegheny County, Pennsylvania, General Obligation Bonds, Series 2006B, 5.000%, 9/01/12 AMBAC Insured	No Opt.
1,000	Pittsburgh, Pennsylvania, General Obligation Bonds, Series 2005A, 5.000%, 9/01/11 [] MBIA Insured	No Opt.
9,250	Total Pennsylvania	
	South Carolina 🛘 6.4%	
750	Berkeley County School District, South Carolina, Installment Purchase Revenue Bonds, Securing Assets for Education, Series 2003, 5.250%, 12/01/19	12/13 at 100
1,540	Piedmont Municipal Power Agency, South Carolina, Electric Revenue Bonds, Series 1991, 6.750%, 1/01/19 [] FGIC Insured (ETM)	No Opt.
2,835	Piedmont Municipal Power Agency, South Carolina, Electric Revenue Bonds, Series 1991, 6.750%, 1/01/19 [] FGIC Insured	No Opt.
25	South Carolina JOBS Economic Development Authority, Economic Development Revenue Bonds, Bon Secours Health System Inc., Series 2002A, 5.625%, 11/15/30	11/12 at 100
1,260	South Carolina JOBS Economic Development Authority, Hospital Revenue Bonds, Palmetto Health Alliance, Series 2000A, 7.000%, 12/15/10 (ETM)	No Opt.
500	Tobacco Settlement Revenue Management Authority, South Carolina, Tobacco Settlement Asset-Backed Bonds, Series 2001B, 6.000%, 5/15/22	5/11 at 101
6,910	Total South Carolina	
	South Dakota 🛘 0.8%	
1,000	South Dakota Health and Educational Facilities Authority, Revenue Bonds, Sanford Health, Series 2007, 5.000%, 11/01/27	5/17 at 100
	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 (Pre-refunded 9/01/12)	9/12 at 100
1,250	6.000%, 9/01/17 (Pre-refunded 9/01/12)	9/12 at 100
2,000	Total Tennessee	
	Texas	
1,055	Austin, Texas, General Obligation Bonds, Series 2004, 5.000%, 9/01/20 [] MBIA Insured	9/14 at 100
25	Brazos River Authority, Texas, Collateralized Pollution Control Revenue Bonds, Texas Utilities Electric Company, Series 2003D, 5.400%, 10/01/29 (Mandatory put 10/01/14)	No Opt.
2,000	Brazos River Authority, Texas, Collateralized Revenue Refunding Bonds, CenterPoint Energy	6/14 at 100

Company, Series 2001C, 5.750%, 5/01/36 (Mandatory put 11/01/11) (Alternative Minimum Tax)

15 Brazos River Authority, Texas, Pollution Control Revenue Refunding Bonds, TXU Energy Company

No Opt.

No Opt.

500 Brazos River Authority, Texas, Pollution Control Revenue Refunding Bonds, TXU Electric

Inc., Series 2004B, 4.250%, 12/01/17 $\hfill\Box$ FGIC Insured

7.	Program, Series 1995E, 6.500%, 3/01/15 ☐ FSA Insured 55 Total Texas	
:	Daughters of Charity National Health System, Series 1993B, 5.900%, 11/15/07 (ETM) Tri-County Mental Health and Retardation Center, Texas, Revenue Bonds, Facilities Acquisition	9/07 at 10
;	2006B, 4.148%, 12/15/17 Our Travis County Health Facilities Development Corporation, Texas, Hospital Revenue Bonds,	9/07 at 10
1,	Project, Series 2001B, 5.750%, 5/01/30 (Mandatory put 11/01/11) (Alternative Minimum Tax) Texas Municipal Gas Acquistion and Supply Corporation I, Gas Supply Revenue Bonds, Series	9/07 at 10
	1991A, 8.500%, 9/01/11 25 Sabine River Authority, Texas, Pollution Control Revenue Bonds, TXU Energy Company LLC	No Opt
	2006, 5.000%, 8/15/20 90 Galveston Property Finance Authority Inc., Texas, Single Family Mortgage Revenue Bonds, Series	9/07 at 10
1,	LLC, Series 2003A, 6.750%, 4/01/38 (Mandatory put 4/01/13) (Alternative Minimum Tax) 75 Denton Independent School District, Denton County, Texas, General Obligation Bonds, Series	8/16 at 10

Hospital Project, Series 1998, 6.000%, 12/15/10

Series 1999A, 5.500%, 2/15/20 ☐ ACA Insured

Washington [] 4.0%

	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 1,	
	Series 1993A:	
1,340	7.000%, 7/01/07 (ETM)	No Opt.
160	7.000%, 7/01/07 (ETM)	No Opt.
1,130	7.000%, 7/01/08 (ETM)	No Opt.
1,870	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 1, Series	No Opt.
	1993A, 7.000%, 7/01/08	
295	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 3, Series	No Opt.
	1989B, 7.125%, 7/01/16 ☐ MBIA Insured	

4,795	Total Washington	
2,000	West Virginia [] 1.6% Harrison County Commission, West Virginia, Solid Waste Disposal Revenue Bonds, West Penn Power Company, Series 1994C, 6.750%, 8/01/24 [] MBIA Insured (Alternative Minimum Tax)	9/07 at 100
	Wisconsin [] 3.7% Badger Tobacco Asset Securitization Corporation, Wisconsin, Tobacco Settlement Asset-Backed Bonds, Series 2002:	

	Bonds, Series 2002:	
795	6.125%, 6/01/27	6/12 at 100
1,480	6.375%, 6/01/32	6/12 at 100
1,000	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Agnesian Healthcare	7/11 at 100
	Inc., Series 2001, 6.000%, 7/01/21	
1 150	Wisconsin Health and Educational Facilities Authority, Revenue Ronds, Aurora Health Care Inc.	2/09 at 10

4,425 Total Wisconsin

\$ 123,375 Total Investments (cost \$123,165,547) | 100.2%

Other Assets Less Liabilities | (0.2)%

Net Assets | 100%

The Fund may invest in <code>[]</code>zero coupon<code>[]</code> securities. A zero coupon security does not pay a regular interest coupon to its holders during the life of the security. Tax-exempt income to the holder of the security comes from accretion of the difference between the original purchase price of the security at issuance and the par value of the security at maturity and is effectively paid at maturity. Such securities are included in the portfolio with a 0.00% coupon rate in their description. The market prices of zero coupon securities generally are more volatile than the market prices of securities that pay interest periodically.

- (1) 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.
- (2) 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.
- (3) 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.
- N/R Not rated.
- (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 June 30, 2007, the cost of investments was \$123,112,554.

Gross unrealized appreciation and gross unrealized depreciation of investments at June 30, 2007, were as follows:

Gross unrealized:	
Appreciation	\$2,752,232
Depreciation	(551,646)
Net unrealized appreciation (depreciation) of investments	\$2,200,586

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 Sel	ect Maturities Municipal Fund
By (Signature and Title)*	/s/ Kevin J. McCarthy Kevin J. McCarthy Vice President and Secretary
Date <u>August 29, 2007</u>	_
	of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed as 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 <u>August 29, 2007</u>	_
By (Signature and Title)*	/s/ Stephen D. Foy Stephen D. Foy Vice President and Controller (principal financial officer)
Date <u>August 29, 2007</u>	_

SIGNATURES 9

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