

NUVEEN SELECT MATURITIES MUNICIPAL FUND
Form N-Q
August 29, 2011

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)

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: 6/30/11

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.

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Item 1. Schedule of Investments

Portfolio of Investments (Unaudited)
 Nuveen Select Maturities Municipal Fund (NIM)
 June 30, 2011

| Principal Amount | Description (1) | Optional Call Provisions (2) | Ratings (3) | Value |
|------------------|--|------------------------------|-------------|-----------|
| (000) | Alabama – 2.7% | | | |
| | Alabama 21st Century Authority, Tobacco Settlement Revenue Bonds, Series 2001: | | | |
| \$ | | 12/11 at | | \$ |
| 2,000 | 5.750%, 12/01/17 | 101.00 | A– | 2,038,000 |
| | | 12/11 at | | |
| 200 | 5.500%, 12/01/21 | 101.00 | A– | 201,022 |
| | Birmingham Special Care Facilities Financing Authority, Alabama, Revenue Bonds, Baptist Health | 11/15 at | | |
| 180 | System Inc., Series 2005A, 5.000%, 11/15/30 | 100.00 | Baa2 | 154,913 |
| | Jefferson County, Alabama, Sewer Revenue Refunding Warrants, Series 2003B, 5.250%, 2/01/12 – | 8/11 at | | |
| 500 | AGM Insured | 100.00 | AA+ | 493,905 |
| | Marshall County Healthcare Authority, Alabama, Revenue Bonds, Series 2002A, 6.250%, 1/01/22 | 1/12 at | | |
| 500 | | 101.00 | A– | 509,640 |
| 3,380 | Total Alabama | | | 3,397,480 |
| | Alaska – 0.3% | | | |
| | Valdez, Alaska, Marine Terminal Revenue Refunding Bonds, BP Pipelines Inc. Project, Refunding | No Opt. Call | A | 334,731 |
| 305 | Series 2003B, 5.000%, 1/01/21 | | | |
| | Arizona – 1.0% | | | |
| | Salt Verde Financial Corporation, Arizona, Senior Gas Revenue Bonds, Citigroup Energy Inc | No Opt. Call | A | 102,449 |
| 100 | 5.000%, 12/01/17 | | | |
| | | No Opt. Call | A | 86,981 |
| 85 | 5.250%, 12/01/19 | | | |
| | | No Opt. Call | A | 31,510 |
| 35 | 5.000%, 12/01/32 | | | |
| | | No Opt. Call | A | 336,802 |
| 380 | 5.000%, 12/01/37 | | | |
| | Surprise Municipal Property Corporation, Arizona, Wastewater System Revenue Bonds, Series | 10/11 at | | |
| 750 | 2007, 4.500%, 4/01/17 | 100.00 | A– | 751,958 |
| 1,350 | Total Arizona | | | 1,309,700 |
| | Arkansas – 3.0% | | | |
| | Jefferson County, Arkansas, Pollution Control Revenue Bonds, Entergy Arkansas Inc. Project, | 12/11 at | | |
| 1,500 | | 100.00 | A– | 1,502,100 |

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| | | | | |
|-------|---|----------|---------|-----------|
| | Series 2006, 4.600%, 10/01/17 | | | |
| | Jonesboro, Arkansas, Industrial Development Revenue Bonds, | No Opt. | | |
| 1,000 | Anheuser Busch Inc. Project, Series | Call | A- | 1,050,910 |
| | 2002, 4.600%, 11/15/12 | | | |
| | North Little Rock, Arkansas, Electric Revenue Refunding Bonds, | No Opt. | | |
| 1,140 | Series 1992A, 6.500%, 7/01/15 – | Call | Baa1 | 1,236,467 |
| | NPFG Insured | | | |
| 3,640 | Total Arkansas | | | 3,789,477 |
| | California – 2.6% | | | |
| | California Health Facilities Financing Authority, Revenue Bonds, | 7/15 at | | |
| 355 | Catholic Healthcare West, | 100.00 | A | 367,208 |
| | Series 2008H, 5.125%, 7/01/22 | | | |
| | California State, General Obligation Bonds, Various Purpose Series | 3/20 at | | |
| 500 | 2010, 5.500%, 3/01/40 | 100.00 | A1 | 514,010 |
| | Ceres Unified School District, Stanislaus County, California, General | 8/12 at | | |
| 1,000 | Obligation Bonds, Series | 32.87 | A+ | 237,350 |
| | 2002B, 0.000%, 8/01/31 – FGIC Insured | | | |
| | Golden State Tobacco Securitization Corporation, California, Tobacco | 6/17 at | | |
| 260 | Settlement Asset-Backed | 100.00 | BBB- | 216,593 |
| | Bonds, Series 2007A-1, 4.500%, 6/01/27 | | | |
| | Moulton Niguel Water District, California, Certificates of | | | |
| | Participation, Refunding Series 2003: | | | |
| | | No Opt. | | |
| 250 | 5.000%, 9/01/21 – AMBAC Insured | Call | AA+ | 266,873 |
| | | No Opt. | | |
| 250 | 5.000%, 9/01/22 – AMBAC Insured | Call | AA+ | 263,850 |
| | | No Opt. | | |
| 500 | 5.000%, 9/01/23 – AMBAC Insured | Call | AA+ | 524,350 |
| | Palomar Pomerado Health, California, General Obligation Bonds, | No Opt. | | |
| 2,000 | Series 2009A, 0.000%, 8/01/25 – | Call | AA+ | 869,480 |
| | AGC Insured | | | |
| 5,115 | Total California | | | 3,259,714 |
| | Colorado – 10.0% | | | |
| | Centennial Downs Metropolitan District, Colorado, General | 12/14 at | | |
| 2,895 | Obligation Bonds, Series 1999, | 100.00 | N/R | 2,940,857 |
| | 5.000%, 12/01/20 – AMBAC Insured | | | |
| | Colorado Educational and Cultural Facilities Authority, Charter | 7/12 at | | |
| 1,070 | School Revenue Bonds, Douglas | 100.00 | BBB | 1,063,152 |
| | County School District RE-1 – DCS Montessori School, Series 2002A, | | | |
| | 6.000%, 7/15/22 | | | |
| | Colorado Educational and Cultural Facilities Authority, Revenue | 12/13 at | | |
| 1,175 | Bonds, Classical Academy | 100.00 | A | 1,195,692 |
| | Charter School, Series 2003, 4.500%, 12/01/18 – SYNCORA GTY | | | |
| | Insured | | | |
| | Colorado Housing Finance Authority, Single Family Program Senior | 10/11 at | | |
| 160 | Bonds, Series 2000D-2, | 105.00 | AA | 170,402 |
| | 6.900%, 4/01/29 (Alternative Minimum Tax) | | | |
| | Denver Health and Hospitals Authority, Colorado, Healthcare Revenue | 12/11 at | | |
| 1,025 | Bonds, Series 2001A, | 100.00 | N/R (4) | 1,049,446 |
| | 6.000%, 12/01/23 (Pre-refunded 12/01/11) | | | |
| 1,465 | | | N/R | 1,444,065 |

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|--------|---|--------------------|--------|------------|
| | Denver West Metropolitan District, Colorado, General Obligation Refunding and Improvement Bonds, Series 2003, 4.500%, 12/01/18 – RAAI Insured | 12/13 at 100.00 | | |
| 1,500 | E-470 Public Highway Authority, Colorado, Senior Revenue Bonds, Series 2007C-2, 5.000%, 9/01/39 (Mandatory put 9/01/13) – NPMFG Insured | No Opt. Call | Baa1 | 1,587,585 |
| 1,000 | E-470 Public Highway Authority, Colorado, Toll Revenue Bonds, Series 2004B, 0.000%, 3/01/36 – NPMFG Insured | No Opt. Call | Baa1 | 152,980 |
| 200 | Regional Transportation District, Colorado, Denver Transit Partners Eagle P3 Project Private Activity Bonds, Series 2010, 6.000%, 1/15/41 | 7/20 at 100.00 | Baa3 | 201,102 |
| 2,845 | University of Colorado Hospital Authority, Revenue Bonds, Series 2001A, 5.600%, 11/15/21 (Pre-refunded 11/15/11) | 11/11 at 100.00 | A3 (4) | 2,902,327 |
| 13,335 | Total Colorado | | | 12,707,608 |
| | Connecticut – 1.5% | | | |
| | Eastern Connecticut Resource Recovery Authority, Solid Waste Revenue Bonds, Wheelabrator Lisbon Project, Series 1993A: | | | |
| 265 | 5.500%, 1/01/14 (Alternative Minimum Tax) | 1/12 at 100.00 | BBB | 265,734 |
| 1,570 | 5.500%, 1/01/15 (Alternative Minimum Tax) | 7/11 at 100.00 | BBB | 1,572,371 |
| 1,835 | Total Connecticut | | | 1,838,105 |
| | Florida – 6.5% | | | |
| 160 | Citizens Property Insurance Corporation, Florida, High-Risk Account Revenue Bonds, Coastal Account Senior Secured Series 2011A-1, 5.000%, 6/01/18 (WI/DD, Settling 7/14/11) | No Opt. Call | A+ | 167,568 |
| 2,400 | Deltona, Florida, Utility Systems Water and Sewer Revenue Bonds, Series 2003, 5.250%, 10/01/17 – NPMFG Insured | 10/13 at 100.00 | A1 | 2,507,064 |
| | Florida Citizens Property Insurance Corporation, High Risk Account Revenue Bonds, Series 2007A: | | | |
| 1,000 | 5.000%, 3/01/15 – NPMFG Insured | No Opt. Call | A+ | 1,069,650 |
| 125 | 5.000%, 3/01/16 – NPMFG Insured | No Opt. Call | A+ | 134,133 |
| 600 | Florida Department of Environmental Protection, Florida Forever Revenue Bonds, Series 2007B, 5.000%, 7/01/19 – NPMFG Insured | 7/17 at 101.00 | AA– | 659,034 |
| 15 | JEA, Florida, Electric Revenue Certificates, Series 1973-2, 6.800%, 7/01/12 (ETM) | No Opt. Call | AAA | 15,451 |
| | Miami-Dade County, Florida, Public Facilities Revenue Bonds, Jackson Health System, Series 2009: | | | |
| 10 | 5.500%, 6/01/29 – AGM Insured | 6/19 at 100.00 | AA+ | 10,228 |
| 10 | 5.625%, 6/01/34 – AGC Insured | 6/19 at 100.00 | AA+ | 10,114 |
| 750 | | | BBB | 766,673 |

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|-------|---|--------------------|---------|-----------|
| | North Sumter County Utility Dependent District, Florida, Utility Revenue Bonds, Series 2010, 5.000%, 10/01/20 | No Opt. Call | | |
| 2,000 | Orange County, Florida, Tourist Development Tax Revenue Bonds, Series 2005, 5.000%, 10/01/22 – AMBAC Insured | 10/15 at 100.00 | A+ | 2,055,720 |
| 235 | Port Everglades Authority, Florida, Port Facilities Revenue Bonds, Series 1986, 7.125%, 11/01/16 (ETM) | No Opt. Call | AAA | 271,984 |
| 500 | South Miami Health Facilities Authority, Florida, Hospital Revenue, Baptist Health System Obligation Group, Series 2007, 5.000%, 8/15/27 | 8/17 at 100.00 | AA | 509,740 |
| 7,805 | Total Florida Georgia – 0.3% | | | 8,177,359 |
| 380 | Cherokee County Water and Sewerage Authority, Georgia, Revenue Bonds, Series 1995, 5.200%, 8/01/25 (Pre-refunded 8/01/22) – NPMFG Insured Idaho – 0.1% | 8/22 at 100.00 | AAA | 435,199 |
| 100 | Madison County, Idaho, Hospital Revenue Certificates of Participation, Madison Memorial Hospital, Series 2006, 5.250%, 9/01/37 Illinois – 14.8% | 9/16 at 100.00 | BB+ | 77,498 |
| 440 | Chicago, Illinois, Tax Increment Allocation Bonds, Irving/Cicero Redevelopment Project, Series 1998, 7.000%, 1/01/14 | 1/12 at 100.00 | N/R | 440,660 |
| 1,500 | Cook County Township High School District 208, Illinois, General Obligation Bonds, Series 2006, 5.000%, 12/01/21 – NPMFG Insured | 12/15 at 100.00 | Aa3 | 1,579,035 |
| 2,000 | Huntley, Illinois, Special Service Area 9, Special Tax Bonds, Series 2007, 5.100%, 3/01/28 – AGC Insured | 3/17 at 100.00 | AA+ | 2,054,800 |
| 4,740 | Illinois Development Finance Authority, GNMA Collateralized Mortgage Revenue Bonds, Greek American Nursing Home Committee, Series 2000A, 7.600%, 4/20/40 | 10/11 at 105.00 | Aaa | 5,056,201 |
| 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 102.00 | A+ | 2,134,780 |
| 1,000 | Illinois Educational Facilities Authority, Student Housing Revenue Bonds, Educational Advancement Foundation Fund, University Center Project, Series 2002, 6.625%, 5/01/17 (Pre-refunded 5/01/12) | 5/12 at 101.00 | Aaa | 1,063,090 |
| 80 | Illinois Finance Authority, Revenue Bonds, OSF Healthcare System, Series 2007A, 5.750%, 11/15/37 | 11/17 at 100.00 | A | 78,609 |
| 250 | Illinois Finance Authority, Revenue Bonds, Roosevelt University, Series 2007, 5.250%, 4/01/22 | 4/17 at 100.00 | Baa2 | 243,373 |
| 20 | Illinois Health Facilities Authority, Revenue Bonds, Condell Medical Center, Series 2002, 5.250%, 5/15/12 (ETM) | No Opt. Call | Aaa | 20,852 |
| 25 | Illinois Health Facilities Authority, Revenue Bonds, Lutheran General Health System, Series | No Opt. Call | AA+ (4) | 25,899 |

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1993A, 6.125%, 4/01/12 – AGM Insured (ETM)
 Illinois Health Facilities Authority, Revenue Bonds, Sherman Health
 Systems, Series 1997:

| | | | | |
|--------|--|----------|------|------------|
| | | 2/12 at | | |
| 135 | 5.250%, 8/01/17 – AMBAC Insured | 100.00 | BBB | 135,096 |
| | | 8/11 at | | |
| 85 | 5.250%, 8/01/22 – AMBAC Insured | 100.00 | BBB | 84,890 |
| | Illinois Health Facilities Authority, Revenue Bonds, Silver Cross | 8/11 at | | |
| 700 | Hospital and Medical | 100.00 | BBB | 700,714 |
| | Centers, Series 1999, 5.500%, 8/15/19 | | | |
| | Illinois State, General Obligation Bonds, Refunding Series 2006, | No Opt. | | |
| 75 | 5.000%, 1/01/15 | Call | A+ | 81,751 |
| | Illinois State, General Obligation Bonds, Refunding Series 2007B, | No Opt. | | |
| 235 | 5.000%, 1/01/16 | Call | A+ | 256,209 |
| | Illinois State, General Obligation Bonds, Refunding Series 2008, | No Opt. | | |
| 315 | 4.250%, 4/01/16 | Call | A+ | 334,001 |
| | Illinois State, General Obligation Bonds, Refunding Series 2010, | No Opt. | | |
| 1,165 | 5.000%, 1/01/19 | Call | A+ | 1,242,205 |
| | | 1/16 at | | |
| 230 | Illinois State, General Obligation Bonds, Series 2006, 5.000%, 1/01/17 | 100.00 | A+ | 247,232 |
| | Illinois State, General Obligation Bonds, Series 2007A, 5.500%, | No Opt. | | |
| 25 | 6/01/15 | Call | A+ | 27,868 |
| | Illinois, General Obligation Bonds, Illinois FIRST Program, Series | 12/12 at | | |
| 275 | 2002, 5.250%, 12/01/19 – | 100.00 | AA+ | 285,269 |
| | AGM Insured | | | |
| | Kane & DeKalb Counties, Illinois, Community United School District | No Opt. | | |
| 1,355 | 301, General Obligation | Call | A1 | 987,212 |
| | Bonds, Series 2006, 0.000%, 12/01/18 – NPPFG Insured | | | |
| | Metropolitan Pier and Exposition Authority, Illinois, Dedicated State | 6/13 at | | |
| 55 | Tax Revenue Bonds, | 100.00 | AAA | 58,298 |
| | Series 2002, 5.375%, 6/01/15 – FGIC Insured | | | |
| | Regional Transportation Authority, Cook, DuPage, Kane, Lake, | No Opt. | | |
| 700 | McHenry and Will Counties, | Call | AA | 865,543 |
| | Illinois, General Obligation Bonds, Series 1994D, 7.750%, 6/01/19 – | | | |
| | FGIC Insured | | | |
| | Williamson & Johnson Counties Community Unit School District 2, | 10/19 at | | |
| 750 | Marion, Illinois, Limited Tax | 103.00 | BBB+ | 765,315 |
| | General Obligation Lease Certificates, Series 2011, 7.000%, 10/15/22 | | | |
| 18,155 | Total Illinois | | | 18,768,902 |
| | Indiana – 0.4% | | | |
| | Indiana Finance Authority, Educational Facilities Revenue Bonds, | 10/19 at | | |
| 250 | Drexel Foundation For | 100.00 | BBB– | 247,713 |
| | Educational Excellence, Inc., Series 2009A, 6.000%, 10/01/21 | | | |
| | Jasper County, Indiana, Pollution Control Revenue Refunding Bonds, | No Opt. | | |
| 250 | Northern Indiana Public | Call | Baa1 | 279,385 |
| | Service Company Project, Series 1994A Remarketed, 5.850%, 4/01/19 | | | |
| | – NPPFG Insured | | | |
| 500 | Total Indiana | | | 527,098 |
| | Kansas – 3.1% | | | |
| | Wichita, Kansas, Hospital Facilities Revenue Refunding and | 11/11 at | | |
| 3,500 | Improvement Bonds, Via Christi | 101.00 | A+ | 3,556,173 |

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| | Health System Inc., Series 2001-III, 5.500%, 11/15/21 | | | |
| | Wyandotte County-Kansas City Unified Government, Kansas, Sales | 12/15 at | | |
| 205 | Tax Special Obligation Bonds, | 100.00 | N/R | 210,133 |
| | Redevelopment Project Area B, Series 2005, 5.000%, 12/01/20 | | | |
| | Wyandotte County-Kansas City Unified Government, Kansas, Sales | No Opt. | | |
| 370 | Tax Special Obligation Capital | Call | BBB | 208,010 |
| | Appreciation Revenue Bonds Redevelopment Project Area B – Major | | | |
| | Multi-Sport Athletic Complex | | | |
| | Project, Subordinate Lien Series 2010B, 0.000%, 6/01/21 | | | |
| 4,075 | Total Kansas | | | 3,974,316 |
| | Kentucky – 0.8% | | | |
| | Kentucky Economic Development Finance Authority, Louisville | 6/18 at | | |
| 325 | Arena Project Revenue Bonds, | 100.00 | AA+ | 340,740 |
| | Louisville Arena Authority, Inc., Series 2008-A1, 5.750%, 12/01/28 – | | | |
| | AGC Insured | | | |
| | Kentucky Housing Corporation, Housing Revenue Bonds, Series | 1/15 at | | |
| 670 | 2005G, 5.000%, 7/01/30 | 100.60 | AAA | 676,774 |
| | (Alternative Minimum Tax) | | | |
| 995 | Total Kentucky | | | 1,017,514 |
| | Louisiana – 1.3% | | | |
| | Louisiana Public Facilities Authority, Revenue Bonds, Baton Rouge | 7/14 at | | |
| 1,010 | General Hospital, Series | 100.00 | Baa1 | 1,045,239 |
| | 2004, 5.250%, 7/01/24 – NPMFG Insured | | | |
| | Tobacco Settlement Financing Corporation, Louisiana, Tobacco | | | |
| | Settlement Asset-Backed Bonds, | | | |
| | Series 2001B: | | | |
| | | 11/11 at | | |
| 420 | 5.500%, 5/15/30 | 101.00 | A | 421,130 |
| | | 11/11 at | | |
| 245 | 5.875%, 5/15/39 | 101.00 | A- | 237,317 |
| 1,675 | Total Louisiana | | | 1,703,686 |
| | Maryland – 0.9% | | | |
| | Maryland Energy Financing Administration, Revenue Bonds, AES | 9/11 at | | |
| 1,100 | Warrior Run Project, Series 1995, | 100.00 | N/R | 1,100,055 |
| | 7.400%, 9/01/19 (Alternative Minimum Tax) | | | |
| | Massachusetts – 0.7% | | | |