NUVEEN SELECT MATURITIES MUNICIPAL FUND Form N-Q March 01, 2013

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM N-O

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: 12/31/12

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, 2012

Principal		Optional Call			
Amount (000)	Description (1) Alabama – 0.1%	Provisions (2)	Ratings (3)	Value	
	Birmingham Special Care Facilities				
¢ 100	Financing Authority, Alabama, Revenue	11/15 at	Dasi	¢ 107 106	
\$ 180	Bonds, Baptist Health System Inc., Series 2005A, 5.000%,	100.00	Baa2	\$ 187,186	
	11/15/30				
	Alaska – 0.1%				
	Alaska State, Sport Fishing Revenue Bonds,				
155	Series 2011, 5.000%, 4/01/21	4/20 at 100.00	A1	182,658	
	Arizona – 3.0%				
	Arizona Health Facilities Authority, Hospital				
	System Revenue Bonds, Phoenix Children's				
	Hospital, Refunding Series 2012A:				
60	5.000%, 2/01/20	No Opt. Call	BBB+	70,258	
290	5.000%, 2/01/27	2/22 at 100.00	BBB+	322,277	
	Arizona Sports and Tourism Authority,				
	Senior Revenue Refunding Bonds,				
	Multipurpose Stadium				
	Facility Project, Series 2012A:				
425	5.000%, 7/01/25	7/22 at 100.00	A1	495,958	
685	5.000%, 7/01/26	7/22 at 100.00	A1	797,826	
685	5.000%, 7/01/27	7/22 at 100.00	A1	792,922	
	Salt Verde Financial Corporation, Arizona,				
	Senior Gas Revenue Bonds, Citigroup Energy	7			
	Inc				
100	Prepay Contract Obligations, Series 2007:			444.700	
100	5.000%, 12/01/17	No Opt. Call	A-	114,520	
85	5.250%, 12/01/19	No Opt. Call	A-	100,337	
35	5.000%, 12/01/32	No Opt. Call	A-	39,882	
380	5.000%, 12/01/37	No Opt. Call	A–	424,756	
	Surprise Municipal Property Corporation,				
750	Arizona, Wastewater System Revenue Bonds		A	752.562	
730	Series	4/13 at 100.00	A–	753,563	
2 405	2007, 4.500%, 4/01/17			2 012 200	
3,495	Total Arizona Arkansas – 1.9%			3,912,299	
1,500	A1 Kalisas — 1.7 70	2/13 at 100.00	A3	1,503,090	
1,300		2113 at 100.00	A3	1,505,090	

	Jefferson County, Arkansas, Pollution Control Revenue Bonds, Entergy Arkansas Inc. Project,			
	Series 2006, 4.600%, 10/01/17 (Pre-refunded 2/04/13)			
	North Little Rock, Arkansas, Electric Revenue Refunding Bonds, Series 1992A,			
880	6.500%, 7/01/15 –NPFG Insured (ETM)	No Opt. Call	BBB (4)	951,403
2,380	Total Arkansas			2,454,493
	California – 4.4%			
	California Health Facilities Financing Authority, Revenue Bonds, Catholic			
470	Healthcare West,	7/15 at 100.00	A	507,078
	Series 2008H, 5.125%, 7/01/22			,
	California Health Facilities Financing			
105	Authority, Revenue Bonds, Lucile Salter	N - O-4 C-11		106 442
125	Packard Children's Hospital, Series 2008A, 1.450%,	No Opt. Call	AA	126,443
	8/15/33 (Mandatory put 3/15/17)			
	California Health Facilities Financing			
	Authority, Revenue Bonds, Lucile Salter			
160	Packard	No Opt. Call	AA	161,846
	Children's Hospital, Series 2008C, 1.450%,			
	8/15/23 (Mandatory put 3/15/17) California State, General Obligation Bonds,			
	Various Purpose Series 2010, 5.500%,			
500	3/01/40	3/20 at 100.00	A1	584,085
	California Statewide Communities			·
	Development Authority, Revenue Bonds,			
135	Kaiser Permanente,	No Opt. Call	A+	156,796
	Series 2012E-1, 5.000%, 4/01/44 (Mandatory			
	put 5/01/17) Ceres Unified School District, Stanislaus			
	County, California, General Obligation			
1,000	Bonds, Series	3/13 at 34.15	A+	337,140
	2002B, 0.000%, 8/01/31 - FGIC Insured			
	Delano, California, Certificates of			
250	Participation, Delano Regional Medical	N - O - 4 C - 11	DDD	277 200
250	Center, Series 2012, 5.000%, 1/01/24	No Opt. Call	BBB-	277,290
	Golden State Tobacco Securitization			
	Corporation, California, Tobacco Settlement			
400	Asset-Backed	6/17 at 100.00	BB-	375,304
	Bonds, Series 2007A-1, 4.500%, 6/01/27			
	Lake Elsinore Redevelopment Agency,	10/17 at		
365	California, Special Tax Bonds, Community Facilities	10/17 at 100.00	AA-	382,049
303	District 90-2, Series 2007A, 4.500%,	100.00	1111	302,017
	10/01/24			

	Moulton Niguel Water District, California, Certificates of Participation, Refunding Series 2003:			
250	5.000%, 9/01/21 – AMBAC Insured	9/16 at 100.00	AAA	276,243
250	5.000%, 9/01/22 – AMBAC Insured	9/16 at 100.00	AAA	274,105
500	5.000%, 9/01/23 – AMBAC Insured	9/16 at 100.00	AAA	546,420
	Palomar Pomerado Health, California,			,
	General Obligation Bonds, Series 2009A,			
2,000	0.000%,	No Opt. Call	AA-	1,202,820
,	8/01/25 –AGC Insured			, - ,
	San Diego Community College District,			
	California, General Obligation Bonds,			
2,000	Refunding Series	No Opt. Call	AA+	647,120
,	2011, 0.000%, 8/01/37			,
8,405	Total California			5,854,739
-,	Colorado – 6.0%			2,02 1,122
	Centennial Downs Metropolitan District,			
	Colorado, General Obligation Bonds, Series	12/14 at		
2,895	1999,	100.00	N/R	3,000,667
,	5.000%, 12/01/20 – AMBAC Insured			-,,
	Colorado Educational and Cultural Facilities			
	Authority, Revenue Bonds, Classical	12/13 at		
1,175	Academy	100.00	A	1,197,243
,	Charter School, Series 2003, 4.500%,			, ,
	12/01/18 – SYNCORA GTY Insured			
	Colorado Housing Finance Authority, Single			
	Family Program Senior Bonds, Series			
120	2000D-2,	4/13 at 104.00	AA	123,803
	6.900%, 4/01/29 (Alternative Minimum Tax))		
	Denver West Metropolitan District, Colorado),		
	General Obligation Refunding and	12/13 at		
1,465	Improvement	100.00	A-(4)	1,521,578
	Bonds, Series 2003, 4.500%, 12/01/18			
	(Pre-refunded 12/01/13) – RAAI Insured			
	E-470 Public Highway Authority, Colorado,			
	Senior Revenue Bonds, Series 2000B,			
35	0.000%,	No Opt. Call	BBB	12,575
	9/01/33 – NPFG Insured			
	E-470 Public Highway Authority, Colorado,			
	Senior Revenue Bonds, Series 2007C-2,			
1,500	5.000%,	No Opt. Call	BBB	1,534,185
	9/01/39 (Mandatory put 9/02/13) – NPFG			
	Insured			
	E-470 Public Highway Authority, Colorado,			
1,000	Toll Revenue Bonds, Series 2004B, 0.000%,	9/20 at 41.72	BBB	278,640
	3/01/36 –NPFG Insured			
	Regional Transportation District, Colorado,			
	Denver Transit Partners Eagle P3 Project			
200	Private	7/20 at 100.00	Baa3	233,382
	Activity Bonds, Series 2010, 6.000%,			
	1/15/41			

8,390	Total Colorado			7,902,073
	Connecticut – 1.3%			
	Eastern Connecticut Resource Recovery Authority, Solid Waste Revenue Bonds,			
	Wheelabrator			
	Lisbon Project, Series 1993A:			
95	5.500%, 1/01/14 (Alternative Minimum Tax)	7/13 at 100 00	BBB	95,349
1,570	5.500%, 1/01/15 (Alternative Minimum Tax)		BBB	1,575,228
1,665	Total Connecticut	1,10 00 100.00	222	1,670,577
1,000	District of Columbia – 0.0%			1,070,077
	District of Columbia Tobacco Settlement			
	Corporation, Tobacco Settlement			
30	Asset-Backed Bonds,	No Opt. Call	Baa1	35,239
	Series 2001, 6.500%, 5/15/33			
	Florida – 7.6%			
	Citizens Property Insurance Corporation,			
	Florida, High Risk Assessment Revenue,			
70	Senior Secured	No Opt. Call	A+	79,615
	Bonds, Series 2009A-1, 5.375%, 6/01/16			
	Citizens Property Insurance Corporation,			
1.60	Florida, High-Risk Account Revenue Bonds,	N. O . O 11		102.020
160	Coastal	No Opt. Call	A+	183,830
	Account Senior Secured Series 2011A-1,			
	5.000%, 6/01/18 City of Tampa, Florida, Refunding and			
	Capital Improvement Cigarette Tax			
	Allocation Bonds, H.			
	Lee Moffitt Cancer Center Project, Series			
	2012A:			
50	5.000%, 9/01/22	No Opt. Call	A+	59,594
50	5.000%, 9/01/23	9/22 at 100.00	A+	59,095
150	5.000%, 9/01/25	9/22 at 100.00	A+	175,625
	Deltona, Florida, Utility Systems Water and	10/13 at		
2,400	Sewer Revenue Bonds, Series 2003, 5.250%,	100.00	A1	2,455,871
	10/01/17 – NPFG Insured			
	Florida Citizens Property Insurance			
	Corporation, High Risk Account Revenue			
	Bonds, Series 2007A:			1 21 7 0 12
1,215	5.000%, 3/01/15 – NPFG Insured	No Opt. Call	A+	1,315,043
340	5.000%, 3/01/16 – NPFG Insured	No Opt. Call	A+	375,537
	Florida Citizens Property Insurance			
	Corporation, Personal and Commercial Lines Account Bonds,			
	Senior Secured Series 2012A-1:			
50	5.000%, 6/01/18	No Opt. Call	A+	57,447
455	5.000%, 6/01/20	No Opt. Call	A+	535,503
100	Florida Department of Environmental	rio opii cun	111	222,202
	Protection, Florida Forever Revenue Bonds,			
600	Series 2007B,	7/17 at 101.00	AA-	697,662
	5.000%, 7/01/19 – NPFG Insured			•

	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-	11,217
10	5.625%, 6/01/34 – AGC Insured	6/19 at 100.00	AA-	11,105
10	North Sumter County Utility Dependent	0/17 41 100.00	7 17 1	11,103
	District, Florida, Utility Revenue Bonds,			
750	Series 2010,	No Opt. Call	A	851,340
	5.000%, 10/01/20	•		
	Orange County School Board, Florida,			
	Certificates of Participation, Series 2005B,			
250	5.000%,	8/15 at 100.00	AA	276,968
	8/01/25 – AMBAC Insured			
	Orange County, Florida, Tourist	10/15		
2.000	Development Tax Revenue Bonds, Series	10/15 at 100.00	A A	2 202 490
2,000	2005, 5.000%, 10/01/22 –AMBAC Insured	100.00	AA-	2,202,480
	Port Everglades Authority, Florida, Port			
	Facilities Revenue Bonds, Series 1986,			
165	7.125%,	No Opt. Call	Aaa	186,968
	11/01/16 (ETM)	- · · · · · · · · · · · · · · · · · · ·		,
	South Miami Health Facilities Authority,			
	Florida, Hospital Revenue, Baptist Health			
505	System	8/17 at 100.00	AA	565,489
	Obligation Group, Series 2007, 5.000%,			
	8/15/27			
9,230	Total Florida			10,100,389
	Georgia – 0.8%			
	Cherokee County Water and Sewerage			
330	Authority, Georgia, Revenue Bonds, Series 1995, 5.200%,	8/22 at 100.00	BBB (4)	388,387
330	8/01/25 (Pre-refunded 8/01/22) – NPFG	6/22 at 100.00	DDD (1)	300,307
	Insured			
	Private Colleges and Universities Authority,	10/22 at		
600	Georgia, Revenue Bonds, Mercer University	100.00	Baa2	703,008
	Project, Refunding Series 2012C, 5.250%,			
	10/01/23			
930	Total Georgia			1,091,395
	Idaho – 0.1%			
	Madison County, Idaho, Hospital Revenue			
100	Certificates of Participation, Madison	0/16 -+ 100 00	DD.	102 520
100	Memorial	9/16 at 100.00	BB+	102,520
	Hospital, Series 2006, 5.250%, 9/01/37 Illinois – 14.4%			
	Chicago, Illinois, Tax Increment Allocation			
	Bonds, Irving/Cicero Redevelopment Project,			
200	Series	7/13 at 100.00	N/R	200,520
	1998, 7.000%, 1/01/14			,
1,500	Cook County Township High School District	12/15 at	Aa3	1,667,865
	208, Illinois, General Obligation Bonds,	100.00		

	Series 2006, 5.000%, 12/01/21 – NPFG Insured Cook County, Illinois, General Obligation Bonds, Refunding Series 2012C, 5.000%,			
270	11/15/21 Huntley, Illinois, Special Service Area 9,	No Opt. Call	AA	328,077
2,000	Special Tax Bonds, Series 2007, 5.100%, 3/01/28 –AGC Insured Illinois Educational Facilities Authority, Revenue Bonds, Art Institute of Chicago,	3/17 at 100.00	AA-	2,275,559
2,000	Series 2000C, 4.450%, 3/01/34 (Mandatory put 3/01/15) (Pre-refunded 7/01/13) Illinois Finance Authority, Revenue Bonds,	7/13 at 102.00	A+ (4)	2,081,320
455	Centegra Health System, Series 2012, 5.000%, 9/01/27 Illinois Finance Authority, Revenue Bonds,	9/22 at 100.00 11/17 at	A-	501,710
635	OSF Healthcare System, Series 2007A, 5.750%, 11/15/37	100.00	A	700,703
250	Illinois Finance Authority, Revenue Bonds, Roosevelt University, Series 2007, 5.250%, 4/01/22 Illinois Health Facilities Authority, Revenue	4/17 at 100.00	BBB+	262,785
	Bonds, Sherman Health Systems, Series 1997:			
135	5.250%, 8/01/17 – AMBAC Insured	2/13 at 100.00	BBB	135,311
95	5.250%, 8/01/22 – AMBAC Insured Illinois Health Facilities Authority, Revenue	2/13 at 100.00	BBB	95,162
700	Bonds, Silver Cross Hospital and Medical Centers, Series 1999, 5.500%, 8/15/19 Illinois Health Facilities Authority, Revenue	2/13 at 100.00	BBB-	701,218
175	Refunding Bonds, Elmhurst Memorial Healthcare, Series 2002, 5.625%, 1/01/28 Illinois State, General Obligation Bonds,	1/13 at 100.00	Baa2	175,515
100	Refunding Series 2006, 5.000%, 1/01/15 Illinois State, General Obligation Bonds,	No Opt. Call	A	107,560
235	Refunding Series 2007B, 5.000%, 1/01/16 Illinois State, General Obligation Bonds,	No Opt. Call	A	260,319
425	Refunding Series 2008, 4.250%, 4/01/16 Illinois State, General Obligation Bonds,	No Opt. Call	A	464,240
1,165	Refunding Series 2010, 5.000%, 1/01/19 Illinois State, General Obligation Bonds,	No Opt. Call	A	1,339,995
390	Refunding Series 2012: 5.000%, 8/01/20	No Opt. Call		