NUVEEN SELECT MATURITIES MUNICIPAL FUND Form N-Q February 29, 2016

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 811-07056

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: 12/31/15

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

Nuveen Select Maturities Municipal Fund

December 31, 2015 (Unaudited)

Principal Amount (000)	Description (1) Provisions (2) Ratings (3)Value LONG-TERM INVESTMENTS – 98.4%				
	MUNICIPAL BONDS – 98.4%				
	Alabama – 0.2% Mobile Spring Hill College Educational Building Authority, Alabama, Revenue Bonds,				
\$ 125	Spring Hill College Project, Series 2015, 5.000%, 4/15/27 Montgomery Medical Clinic Board, Alabama,	4/25 at 100.00	N/R	\$	120,805
110	Health Care Facility Revenue Bonds, Jackson Hospital & Clinic, Series 2015, 4.000%, 3/01/36 (WI/DD, Settling 1/14/16)	3/26 at 100.00	BBB		110,042
235	Total Alabama Alaska – 0.1% Alaska State, Sport Fishing Revenue Bonds,				230,847
155	Refunding Series 2011, 5.000%, 4/01/21 Arizona – 2.9% Arizona Health Facilities Authority, Hospital System Revenue Bonds, Phoenix Children's Hospital, Refunding Series 2012A:	4/20 at 100.00	A1		174,527
255	5.000%, 2/01/20	No Opt. Call	BBB+		287,150
290	5.000%, 2/01/27 Arizona Health Facilities Authority, Revenue	2/22 at 100.00	BBB+		320,001
70	Bonds, Scottsdale Lincoln Hospitals Project, Series 2014A, 5.000%, 12/01/24 Arizona Sports and Tourism Authority, Tax Revenue Bonds, Multipurpose Stadium Facility Project, Refunding Senior Series 2012A:	No Opt. Call	A2		84,353
425	5.000%, 7/01/25	7/22 at 100.00	A1		478,338
685	5.000%, 7/01/26	7/22 at 100.00	A1		766,008
685	5.000%, 7/01/27 Pima County Industrial Development Authority, Arizona, Revenue Bonds, Tucson	7/22 at 100.00	A1		761,734
100	Electric Power	3/23 at 100.00	A3		104,920

	Company Project, Series 2013A, 4.000%, 9/01/29			
	Salt Verde Financial Corporation, Arizona,			
	Senior Gas Revenue Bonds, Citigroup Energy			
	Inc.			
	Prepay Contract Obligations, Series 2007:			
150	5.000%, 12/01/17	No Opt. Call	BBB+	160,293
135	5.250%, 12/01/19	No Opt. Call	BBB+	152,372
95	5.000%, 12/01/32	No Opt. Call	BBB+	111,342
500	5.000%, 12/01/37	No Opt. Call	BBB+	580,525
3,390	Total Arizona	•		3,807,036
	Arkansas – 0.4%			
	Independence County, Arkansas, Pollution			
	Control Revenue Bonds, Arkansas Power and			
500	Light	No Opt. Call	A–	518,490
	Company Project, Series 2013, 2.375%, 1/01/21			
	California – 6.7%			
	Alameda Corridor Transportation Authority, California, Revenue Bonds, Refunding Senior			
300	Lien	No Opt. Call	A	367,020
	Series 2013A, 5.000%, 10/01/23			
	California Health Facilities Financing			
40.5	Authority, Revenue Bonds, Lucile Salter			106106
125	Packard	No Opt. Call	AA	126,136
	Children's Hospital, Series 2008A, 1.450%,			
	8/15/33 (Mandatory put 3/15/17) California Health Facilities Financing			
	Authority, Revenue Bonds, Lucile Salter			
145	Packard	No Opt. Call	AA	146,318
143	Children's Hospital, Series 2008C, 1.450%,	rio Opt. Can	7111	140,510
	8/15/23 (Mandatory put 3/15/17)			
	California Pollution Control Financing			
	Authority, Solid Waste Disposal Revenue			
105	Bonds, Waste	No Opt. Call	A-	107,732
	Management Inc., Refunding Series 2015B-2,			
	3.125%, 11/01/40 (Mandatory put 11/03/25)			
	California Pollution Control Financing			
	Authority, Solid Waste Disposal Revenue			
290	Bonds, Waste	No Opt. Call	A–	306,556
	Management Inc., Series 2015A-1, 3.375%,			
	7/01/25 (Alternative Minimum Tax)			
	California Pollution Control Financing			
205	Authority, Solid Waste Disposal Revenue Bonds, Waste	No Opt. Call	A-	209,971
203	Management, Inc. Project, Refunding Series	No Opt. Can	Α-	207,771
	2015B-1, 3.000%, 11/01/25 (Alternative			
	Minimum Tax)			
	California State, General Obligation Bonds,			
525	Various Purpose Series 2010, 5.500%, 3/01/40	3/20 at 100.00	AA-	609,042
125	-		BB+	138,148

	-			
	California Statewide Communities Development Authority, California, Revenue	12/24 at 100.00		
	Bonds, Loma Linda University Medical Center, Series 2014A, 5.250%, 12/01/29			
	California Statewide Communities Development Authority, Revenue Bonds,			
260	Kaiser Permanente, Series 20012E-1, 5.000%, 4/01/44 (Mandatory put 5/01/17)	No Opt. Call	A+	274,643
	Delano, California, Certificates of Participation, Delano Regional Medical			
250	Center, Series 2012, 5.000%, 1/01/24	No Opt. Call	BBB-	275,468
710	Golden State Tobacco Securitization Corporation, California, Tobacco Settlement	C/17 - + 100 00	р.	707.529
710	Asset-Backed Bonds, Series 2007A-1, 4.500%, 6/01/27 Lake Elsinore Public Financing Authority,	6/17 at 100.00	B+	706,528
100	California, Local Agency Revenue Bonds, Canyon Hills	9/24 at 100.00	N/R	109,662
	Improvement Area A & C, Series 2014C, 5.000%, 9/01/32			,
	Lake Elsinore Redevelopment Agency, California, Special Tax Bonds, Community	10/17 at		
365	Facilities District 90-2, Series 2007A, 4.500%, 10/01/24 AGM Insured	100.00	AA	382,681
	Moulton Niguel Water District, California, Certificates of Participation, Refunding Series			
	2003: 5.000%, 9/01/21 (Pre-refunded 9/01/16) –			
250	AMBAC Insured 5.000%, 9/01/22 (Pre-refunded 9/01/16) –	9/16 at 100.00	AAA	257,660
250	AMBAC Insured 5.000%, 9/01/23 (Pre-refunded 9/01/16) –	9/16 at 100.00	AAA	257,660
500	AMBAC Insured Mount San Antonio Community College District, Los Angeles County, California,	9/16 at 100.00	AAA	515,320
1,000	General Obligation Bonds, Election of 2008, Series	2/28 at 100.00	AA	883,060
	2013A, 0.000%, 8/01/28 Palomar Pomerado Health, California, General			
2,000	Obligation Bonds, Series 2009A, 0.000%, 8/01/25 – AGC Insured	No Opt. Call	AA	1,458,780
2.5	Riverside County Transportation Commission, California, Toll Revenue Senior Lien Bonds,	(122 . 100 00	222	40.050
35	Series 2013A, 5.750%, 6/01/44	6/23 at 100.00	BBB-	40,252
2,000		No Opt. Call	AA+	896,400

	San Diego Community College District, California, General Obligation Bonds, Refunding Series 2011, 0.000%, 8/01/37			
	San Joaquin Hills Transportation Corridor			
	Agency, Orange County, California, Toll Road			
415	Revenue	1/25 at 100.00	BBB-	463,385
	Bonds, Refunding Senior Lien Series 2014A, 5.000%, 1/15/29			
	Washington Township Health Care District,			
	California, Revenue Bonds, Refunding Series			
215	2015A,	No Opt. Call	Baa1	250,514
	5.000%, 7/01/25	•		
10,170	Total California			8,782,936
	Colorado – 1.1%			
	E-470 Public Highway Authority, Colorado,			
300	Senior Revenue Bonds, Series 2000B: 0.000%, 9/01/29 – NPFG Insured	No Ont Coll	Λ Λ	187,344
235	0.000%, 9/01/29 – NPFG Insured	No Opt. Call No Opt. Call	AA– AA–	122,219
233	E-470 Public Highway Authority, Colorado,	No Opt. Can	AA-	122,219
	Senior Revenue Bonds, Series 2007A-1,			
10	5.250%,	No Opt. Call	AA-	10,950
	9/01/18 – NPFG Insured	•		
	E-470 Public Highway Authority, Colorado,			
	Toll Revenue Bonds, Series 2004B, 0.000%,			
1,000	3/01/36 –	9/20 at 41.72	AA-	347,360
	NPFG Insured			
	Plaza Metropolitan District 1, Lakewood,			
500	Colorado, Tax Increment Revenue Bonds, Refunding	No Opt. Call	N/R	539,800
300	Series 2013, 5.000%, 12/01/20	140 Opt. Can	14/10	337,000
	Regional Transportation District, Colorado,			
	Denver Transit Partners Eagle P3 Project			
200	Private	7/20 at 100.00	A-	225,480
	Activity Bonds, Series 2010, 6.000%, 1/15/41			
2,245	Total Colorado			1,433,153
	Connecticut – 0.7%			
	Connecticut Health and Educational Facilities			
900	Authority, Revenue Bonds, Yale University, Series	No Opt. Call	AAA	899,010
900	2010A-3, 0.875%, 7/01/49 (Mandatory put	No Opt. Can	AAA	699,010
	2/08/18)			
	Delaware – 0.1%			
	Delaware Health Facilities Authority, Revenue			
	Bonds, Nanticoke Memorial Hospital, Series			
170	2013,	7/23 at 100.00	BBB	182,174
	5.000%, 7/01/28			
	District of Columbia – 0.9%			
	District of Columbia Student Dormitory	10/22 at		
120	Revenue Bonds, Provident Group – Howard Properties LLC	10/22 at 100.00	BB+	121,498
120	1 Toperties DEC	100.00	דעע	121,770

	Issue, Series 2013, 5.000%, 10/01/30 District of Columbia Tobacco Settlement Corporation, Tobacco Settlement			
880	Asset-Backed Bonds, Series 2001, 6.500%, 5/15/33	No Opt. Call	Baa1	1,094,166
1,000	Total District of Columbia Florida – 5.2% Citizens Property Insurance Corporation, Florida, Coastal Account Senior Secured Bonds,			1,215,664
	Series 2015A-1:			
545	5.000%, 6/01/22	12/21 at 100.00 12/24 at	AA-	644,958
365	5.000%, 6/01/25 Citizens Property Insurance Corporation, Florida, High Risk Account Revenue Bonds,	100.00	AA-	441,500
600	Series 2007A, 5.000%, 3/01/16 – NPFG Insured (ETM) Citizens Property Insurance Corporation, Florida, High Risk Assessment Revenue,	No Opt. Call	AA- (4)	604,764
190	Senior Secured Bonds, Series 2009A-1, 5.375%, 6/01/16 Citizens Property Insurance Corporation, Florida, High-Risk Account Revenue Bonds,	No Opt. Call	A+	193,920
195	Coastal Account Senior Secured Series 2011A-1, 5.000%, 6/01/18 Citizens Property Insurance Corporation, Florida, Personal and Commercial Lines Account Bonds, Senior Secured Series 2012A-1:	No Opt. Call	AA-	212,125
50	5.000%, 6/01/18	No Opt. Call	AA-	54,391
455	5.000%, 6/01/20 Collier County Educational Facilities Authority, Florida, Revenue Bonds, Hodges	No Opt. Call	AA-	520,029
370	University, Series 2013, 6.000%, 11/01/33 Florida Department of Environmental Protection, Florida Forever Revenue Bonds,	100.00	BBB-	412,643
600	Series 2007B, 5.000%, 7/01/19 – NPFG Insured Halifax Hospital Medical Center, Daytona	7/17 at 101.00	AA-	643,008
150	Beach, Florida, Hospital Revenue Bonds, Series 2006, 5.250%, 6/01/26 Halifax Hospital Medical Center, Daytona	6/16 at 100.00	A–	152,285
370	Beach, Florida, Hospital Revenue Bonds, Series 2006, 5.250%, 6/01/26 (Pre-refunded 6/01/16)	6/16 at 100.00	N/R (4)	377,467

	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	11,274
10	5.625%, 6/01/34 – AGC Insured North Sumter County Utility Dependent District, Florida, Utility Revenue Bonds,	6/19 at 100.00	AA	11,258
750	Series 2010, 5.000%, 10/01/20 Palm Beach County Health Facilities	No Opt. Call	A	826,695
75	Authority, Florida, Hospital Revenue Bonds, BRCH Corporation Obligated Group, Refunding	12/24 at 100.00	BBB+	84,623
	Series 2014, 5.000%, 12/01/31 Port Everglades Authority, Florida, Port Facilities Revenue Bonds, Series 1986,			
45	7.125%, 11/01/16 (ETM)	No Opt. Call	Aaa	47,303
	South Miami Health Facilities Authority, Florida, Hospital Revenue, Baptist Health			
720	System Obligation Group, Refunding Series 2007, 5.000%, 8/15/27	8/17 at 100.00	AA	763,560
	Tampa, Florida, Cigarette Tax Allocation Bonds, H. Lee Moffitt Cancer Center Project, Refunding & Capital Improvement Series 2012A:			
120	5.000%, 9/01/22	No Opt. Call	A+	141,730
350	5.000%, 9/01/23	9/22 at 100.00	A+	408,086
185	5.000%, 9/01/25	9/22 at 100.00	A+	215,910
6,155	Total Florida Georgia – 1.0% Cherokee County Water and Sewerage	3/22 at 100.00	711	6,767,529
240	Authority, Georgia, Revenue Bonds, Series 1995, 5.200%,	8/22 at 100.00	AA- (4)	269,683
240	8/01/25 (Pre-refunded 8/01/22) – NPFG Insure Fulton County Development Authority, Georgia, Revenue Bonds, Robert W. Woodruft	ed	AA- (+)	207,003
40	Arts Center, Inc. Project, Series 2015A, 3.500%, 3/15/36	3/26 at 100.00	A2	39,904
	Private Colleges and Universities Authority,	10/22 at		
900	Georgia, Revenue Bonds, Mercer University, Refunding Series 2012C, 5.250%, 10/01/23	100.00	Baa2	1,054,188
1,180	Total Georgia Guam – 0.1% Guam Waterworks Authority, Water and			1,363,775
140	Wastewater System Revenue Bonds, Series 2013, 5.500%, 7/01/43 Hawaii – 0.5%	7/23 at 100.00	A–	159,418
400	11awaii = 0.370	No Opt. Call	A-	408,472

	Hawaii Department of Budget and Finance, Special Purpose Revenue Bonds,			
	Hawaiian Electric Company Inc., Series 2015, 3.250%, 1/01/25			
	(Alternative Minimum Tax)			
	Hawaii Department of Budget and Finance,			
	Special Purpose Revenue Bonds, Hawaii			
200	Pacific	7/23 at 100.00	BB+	221,938
	University, Series 2013A, 6.250%, 7/01/27			
600	Total Hawaii			630,410
	Illinois – 14.1%			
	Chicago, Illinois, General Airport Revenue			
• • • •	Bonds, O'Hare International Airport, Senior			
300	Lien	1/25 at 100.00	A	334,731
	Refunding Series 2015A, 5.000%, 1/01/33			
	(Alternative Minimum Tax)			
	Cook County, Illinois, General Obligation Bonds, Refunding Series 2012C, 5.000%,			
325	11/15/21	No Opt. Call	AA	363,740
323	Huntley, Illinois, Special Service Area 9,	110 Opt. Can	7 17 1	303,740
	Special Tax Bonds, Series 2007, 5.100%,			
2,000	3/01/28 –	3/17 at 100.00	AA	2,086,217
,	AGC Insured			,,
	Illinois Finance Authority, Gas Supply			
	Refunding Revenue Bonds, The Peoples Gas			
625	Light and Coke	No Opt. Call	Aa3	628,700
	Company Project, Series 2010B, 1.875%,			
	2/01/33 (Mandatory put 8/01/20)			
	Illinois Finance Authority, Revenue Bonds,			
	Centegra Health System, Series 2012, 5.000%,	0.400		402 204
455	9/01/27	9/22 at 100.00	BBB	492,201
	Illinois Finance Authority, Revenue Bonds,			
200	Centegra Health System, Series 2014A,	0/24 at 100 00	BBB	201 446
280	4.625%, 9/01/39 Illinois Finance Authority, Revenue Bonds,	9/24 at 100.00	DDD	291,446
	Northwest Community Hospital, Series			
275	2008A,	7/18 at 100.00	A+	297,377
_,-	5.500%, 7/01/38	,,		_, ,,
	Illinois Finance Authority, Revenue Bonds,			
	OSF Healthcare System, Series 2007A,	11/17 at		
890	5.750%,	100.00	A (4)	969,299
	11/15/37 (Pre-refunded 11/15/17)			
	Illinois Finance Authority, Revenue Bonds,			
	Roosevelt University, Series 2007, 5.250%,			
250	4/01/22	4/17 at 100.00	Baa3	256,388
	Illinois State, General Obligation Bonds,			
270	February Series 2014:	2/24 = 100 00	A	407.007
370	5.000%, 2/01/25	2/24 at 100.00	A–	406,896
325	5.000%, 2/01/26	2/24 at 100.00		