

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

NUVEEN SELECT MATURITIES MUNICIPAL FUND
Form N-CSR
June 08, 2007

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT INVESTMENT COMPANIES

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, IL 60606

(Address of principal executive offices) (Zip code)

Kevin J. McCarthy
Nuveen Investments
333 West Wacker Drive
Chicago, IL 60606

(Name and address of agent for service)

Registrant's telephone number, including area code: (312) 917-7700

Date of fiscal year end: March 31

Date of reporting period: March 31, 2007

Form N-CSR is to be used by management investment companies to file reports with the Commission not later than 10 days after the transmission to stockholders of any report that is required to be transmitted to stockholders under Rule 30e-1 under the Investment Company Act of 1940 (17 CFR 270.30e-1). The Commission may use the information provided on Form N-CSR in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-CSR, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-CSR 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 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. ss. 3507.

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

ITEM 1. REPORTS TO STOCKHOLDERS.

ANNUAL REPORT March 31, 2007

Nuveen Investments
Municipal Closed-End Funds

NUVEEN SELECT
MATURITIES
MUNICIPAL FUND
NIM

Photo of: Woman and man at the beach.
Photo of: A child.

DEPENDABLE,
TAX-FREE INCOME BECAUSE
IT'S NOT WHAT YOU EARN,
IT'S WHAT YOU KEEP. (R)

Logo: NUVEEN Investments

Photo of: Woman
Photo of: Woman
Photo of: Man and child

NOW YOU CAN RECEIVE YOUR
NUVEEN FUND REPORTS FASTER.

NO MORE WAITING.
SIGN UP TODAY TO RECEIVE NUVEEN FUND INFORMATION BY E-MAIL.

It only takes a minute to sign up for E-Reports. Once enrolled, you'll receive an e-mail as soon as your Nuveen Investments Fund information is ready -- no more waiting for delivery by regular mail. Just click on the link within the e-mail to see the report, and save it on your computer if you wish.

DELIVERY DIRECT TO
YOUR E-MAIL INBOX

IT'S FAST, EASY & FREE:

WWW.INVESTORDELIVERY.COM
if you get your Nuveen Fund dividends
and statements from your financial
advisor or brokerage account.

OR

WWW.NUVEEN.COM/ACCOUNTACCESS

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

if you get your Nuveen Fund dividends
and statements directly from Nuveen.

(Be sure to have the address sheet that accompanied this report handy. You'll
need it to complete the enrollment process.)

Logo: NUVEEN Investments

Photo of: Timothy R. Schwertfeger

Timothy R. Schwertfeger
Chairman of the Board

Chairman's
LETTER TO SHAREHOLDERS

Once again, I am pleased to report that over the twelve-month period covered by this report your Fund continued to provide you with attractive monthly tax-free income. For more details about the management strategy and performance of your Fund, please read the Portfolio Manager's Comments, the Dividend and Share Price Information and the Performance Overview sections of this report.

For some time, I've used these letters to remind you that municipal bonds can be an important building block in a well-balanced investment portfolio. In addition to providing attractive tax-free monthly income, a municipal bond investment like your Fund may help you achieve and benefit from greater portfolio diversification. Portfolio diversification is a recognized way to try to reduce some of the risk that comes with investing. For more information about this important investment strategy, I encourage you to contact your personal financial advisor.

"IN ADDITION TO PROVIDING ATTRACTIVE TAX-FREE MONTHLY INCOME, A MUNICIPAL BOND INVESTMENT LIKE YOUR FUND MAY HELP YOU ACHIEVE AND BENEFIT FROM GREATER PORTFOLIO DIVERSIFICATION."

We also are pleased to be able to offer you a choice concerning how you receive your shareholder reports and other Fund information. As an alternative to mailed copies, you can sign up to receive future Fund reports and other Fund information by e-mail and the internet. The inside front cover of this report contains information on how you can sign up.

We are grateful that you have chosen us as a partner as you pursue your financial goals, and we look forward to continuing to earn your trust in the months and years ahead. At Nuveen Investments, our mission continues to be to assist you and your financial advisor by offering investment services and products that can help you to secure your financial objectives.

Sincerely,

/s/ Timothy R. Schwertfeger

Timothy R. Schwertfeger
Chairman of the Board

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

May 15, 2007

Nuveen Investments Closed-End Fund
NIM

Portfolio Manager's COMMENTS

Portfolio manager Paul Brennan discusses U.S. economic and municipal market conditions, key investment strategies, and the annual performance of the Nuveen Select Maturities Municipal Fund. With over 17 years of investment experience, including 15 years with Nuveen, Paul has managed NIM since July 2006.

WHAT FACTORS AFFECTED THE U.S. ECONOMY AND MUNICIPAL MARKET DURING THE 12-MONTH REPORTING PERIOD ENDED MARCH 31, 2007?

Between April 1, 2006, and March 31, 2007, we saw interest rates at the short end of the yield curve rise modestly, while longer-term rates generally declined. In May and June 2006, the Federal Reserve announced two additional increases of 0.25% each in the Fed funds rate, bringing this short-term target to 5.25%. Then, in the first pause in rate increases in more than two years, the Fed left monetary policy unchanged during the remaining nine months of this reporting period while it kept close tabs on inflationary pressures and the pace of economic growth. Over the same 12-month period, the yield on the benchmark 10-year U.S. Treasury note fell 20 basis points to end March 2007 at 4.65%. In the municipal market, the yield on the Bond Buyer 25 Revenue Bond Index, a widely followed measure of longer-term municipal market rates, fell to 4.48% at the end of March 2007, a decline of 66 basis points from the end of March 2006. As shorter-term municipal bond interest rates approached the levels of long-term rates, the municipal bond yield curve continued to flatten, with longer duration¹ bonds generally outperforming those with shorter durations during this period.

Although many market observers had expected to see the Fed funds rate begin to ease in early 2007, slowing economic growth, higher energy prices and a slumping housing market kept the Fed on the sidelines. After posting an annualized gain of 5.6% in the first quarter of 2006, the U.S. gross domestic product, a closely watched measure, expanded 2.6% in the second quarter, 2.0% in the third quarter, and 2.5% in the fourth quarter (all GDP numbers annualized). In the first quarter of 2007, the rate of GDP growth slowed even further to an annualized 1.3%, the weakest rate in four years.

1 Duration is a measure of a bond's price sensitivity as interest rates change, with longer duration bonds displaying more sensitivity to these changes than bonds with shorter durations.

Over the 12 months ended March 2007, municipal bond issuance nationwide totaled \$417.8 billion, up 11% from the previous 12 months. This total reflected record supply during the first three months of 2007, when \$104 billion in new securities came to market, an increase of 49% from the same period in 2006. A major factor in the first quarter 2007 volume was an 88% increase in advance refundings² driven by attractive borrowing rates for issuers. Strong demand for municipal bonds was more than adequate to absorb the surge in issuance, as

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

retail investors, institutional investors such as hedge funds and arbitragers, and overseas investors all participated in the market.

WHAT KEY STRATEGIES WERE USED TO MANAGE NIM DURING THIS REPORTING PERIOD?

In the interest rate environment of the past 12 months, where the flattening yield curve remained a dominant market factor, we believed that the Fund's emphasis on an intermediate-term investment strategy helped its overall performance. To maintain the Fund's intermediate-term characteristics, our purchases for NIM's portfolio focused mainly on attractively priced bonds maturing in 15 years or less. This approach was consistent with our overall view that the flatter yield curve made it less compelling to take on the additional risk typically associated with longer maturities or durations.

During this period, a number of large municipal offerings were brought to market, which provided us with more bonds from which to choose. While the majority of our purchases over the 12 month period were higher-rated securities (AAA and AA), we also pursued opportunities that offered unusual structural features that we believed could add value to the Fund. As a result, some of the additions to NIM's portfolio included securities with adjustable rate coupons and unusual call structures or sinking fund provisions.

Our purchases of AAA rated bonds, combined with several Fund holdings that were upgraded to AAA through advance refundings resulted in an increase of approximately 5% in NIM's allocation of AAA rated bonds over this period. The Fund's allocations to lower-rated categories, particularly bonds rated BBB, declined slightly. Nevertheless as of March 31, 2007, NIM continued to have healthy exposure (30% of the portfolio) to bonds rated A or lower and non-rated bonds.

- 2 Advance refundings, also known as pre-refundings or refinancings, occur when an issuer sells new bonds and uses the proceeds to fund principal and interest payments of older existing bonds. This process often results in lower borrowing costs for bond issuers.

5

HOW DID THE FUND PERFORM?

Results for NIM, as well as relevant index information, are presented in the accompanying table.

TOTAL RETURNS ON NET ASSET VALUE

For periods ended 3/31/07

	ANNUALIZED		
	1-YEAR	5-YEAR	10-YEAR
NIM	5.10%	4.27%	4.05%
Lehman Brothers 7-Year Municipal Bond Index3	5.06%	4.88%	5.33%

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

Past performance is not predictive of future results. Current performance may be higher or lower than the data shown. Returns do not reflect the deduction of taxes that shareholders may have to pay on Fund distributions or upon the sale of Fund shares.

For additional information, see the Performance Overview page for NIM in this report.

For the 12 months ended March 31, 2007, the total return on net asset value (NAV) for NIM slightly exceeded the return for the Lehman Brothers 7-Year Municipal Bond Index. During this reporting period, NIM's return was influenced by duration and yield curve positioning, allocations to lower-rated credits, advance refundings, and bond call exposure.

As the yield curve flattened over the course of this period, duration and yield curve positioning played a key role in NIM's performance. While NIM continued to offer an intermediate-term orientation⁴ on average, the Fund maintained a slight "barbell" bias in its maturity structure, i.e., greater focus on securities at both the longer and shorter ends of the maturity range. This overall positioning was very positive for the Fund's performance in the interest rate environment of the past 12 months.

With bonds rated BBB or lower and nonrated bonds generally outperforming other credit quality sectors during this period, NIM benefited from its allocation of lower-quality credits. The performance of this sector was largely the result of investor demand for the higher yields typically associated with lower-quality bonds, which drove up their value. Among the lower-rated holdings making contributions to NIM's return for this period were health care (including hospital), charter school, and industrial development revenue bonds as well as tobacco credits. At period end, NIM held approximately 4% of its portfolio in lower-rated bonds backed by the 1998 master tobacco settlement agreement.

- 3 The Lehman Brothers 7-Year Municipal Bond Index is an unleveraged, unmanaged national index comprising a broad range of investment-grade municipal bonds with maturities ranging from six to eight years. Results for the Lehman Brothers index do not reflect any expenses.
- 4 In keeping with its investment parameters, NIM maintains an average effective maturity of 12 years or less for portfolio holdings.

6

We also continued to see positive impact from advance refunding activity during this 12-month period, which benefited NIM through price appreciation and enhanced credit quality.

NIM's performance was also impacted by significant bond calls and the impact of previous refundings activity. On the whole, bonds with short call dates did not perform as strongly as bonds with longer call dates and better call protection as interest rates declined during this period. As a result, NIM's holdings of older, previously pre-refunded bonds tended to underperform the general municipal market during this period, due primarily to their shorter effective maturities. However, we continued to hold these short call bonds as long as possible because their higher yields benefited NIM's income stream. While an elevated level of call activity is not unusual for a fund with an intermediate

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

maturity focus like NIM, we have worked to offset some of the impact of this activity by placing more emphasis on securities with longer maturities (i.e., the barbell maturity structure mentioned earlier).

7

Dividend and Share Price INFORMATION

During this period, proceeds from older, higher-yielding bonds that matured or were called were reinvested into bonds currently available in the market, which generally offered lower yields. This impacted NIM's income stream, resulting in two monthly dividend reductions during the 12-month period ended March 31, 2007. Prior to these cuts, which took effect in September 2006 and March 2007, NIM had provided shareholders with 33 consecutive months of stable dividends.

Due to normal portfolio activity, common shareholders of NIM received a net ordinary income distribution of \$0.0052 at the end of December 2006.

NIM seeks to pay stable dividends at rates that reflect the Fund's past results and projected future performance. During certain periods, NIM may pay dividends at a rate that may be more or less than the amount of net investment income actually earned by the Fund during the period. If a Fund has cumulatively earned more than it has paid in dividends, it holds the excess in reserve as undistributed net investment income (UNII) as part of the Fund's NAV. Conversely, if a Fund has cumulatively paid dividends in excess of its earnings, the excess constitutes negative UNII that is likewise reflected in the Fund's NAV. NIM will, over time, pay all of its net investment income as dividends to shareholders. As of March 31, 2007, NIM had a positive UNII balance for tax purposes and a negative UNII balance for financial statement purposes.

As of March 31, 2007, NIM was trading at a discount of -2.45% to its NAV. The Fund's average discount over the entire 12-month reporting period was -3.86%.

8

Nuveen Select Maturities Municipal Fund NIM

Performance

OVERVIEW As of March 31, 2007

NIM

Pie Chart:

CREDIT QUALITY

(as a % of total investments)

AAA/U.S. Guaranteed	65%
AA	5%
A	18%
BBB	8%
BB or Lower	1%
N/R	3%

Bar Chart:

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

2006-2007 MONTHLY TAX-FREE DIVIDENDS PER SHARE2

Apr	0.0395
May	0.0395
Jun	0.0395
Jul	0.0395
Aug	0.0395
Sep	0.038
Oct	0.038
Nov	0.038
Dec	0.038
Jan	0.038
Feb	0.038
Mar	0.0365

Line Chart:

SHARE PRICE PERFORMANCE

Weekly Closing Price

Past performance is not predictive of future results.

4/01/06	9.96
	9.83
	9.47
	9.72
	10.01
	9.73
	9.73
	9.76
	9.88
	9.94
	9.67
	9.6
	9.5
	9.52
	9.56
	9.5
	9.59
	9.67
	9.71
	9.62
	9.76
	9.82
	9.68
	9.7
	9.62
	9.66
	9.75
	9.83
	9.75
	9.69
	9.78
	9.7
	9.74
	9.75
	9.7599
	9.86
	9.99
	9.92
	9.76
	9.87
	9.83
	9.81
10	
	9.87

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

	9.88
	9.9296
	9.86
	10.03
	9.96
	9.94
	9.87
	9.89
	9.87
	9.9
	9.9
	9.94
3/31/07	9.94

FUND SNAPSHOT

Share Price	\$9.94
Net Asset Value	\$10.19
Premium/(Discount) to NAV	-2.45%
Market Yield	4.41%
Taxable-Equivalent Yield ¹	6.13%
Net Assets (\$000)	\$126,316
Average Effective Maturity on Securities (Years)	11.05
Modified Duration	4.15

AVERAGE ANNUAL TOTAL RETURN
(Inception 9/18/92)

	ON SHARE PRICE	ON NAV
1-Year	4.75%	5.10%
5-Year	4.30%	4.27%
10-Year	4.33%	4.05%

STATES

(as a % of total investments)

Colorado	13.7%
Illinois	11.7%
New York	9.2%
Pennsylvania	7.9%
South Carolina	6.6%
Texas	5.9%
Florida	4.7%

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

Arkansas	4.2%
Washington	4.1%
Wisconsin	3.9%
Kansas	3.0%
Iowa	2.4%
Alabama	2.2%
Michigan	1.8%
Tennessee	1.8%
California	1.7%
Connecticut	1.7%
West Virginia	1.7%
Other	11.8%

INDUSTRIES

(as a % of total investments)

Utilities	19.2%
U.S. Guaranteed	18.3%
Health Care	11.3%
Tax Obligation/Limited	10.4%
Tax Obligation/General	8.9%
Transportation	5.7%
Consumer Staples	5.0%
Long-Term Care	4.8%
Education and Civic Organizations	4.7%
Other	11.7%

1 Taxable-Equivalent Yield represents the yield that must be earned on a fully taxable investment in order to equal the yield of the Fund on an after-tax basis. It is based on a income tax rate of 28%. When comparing this Fund to investments that generate qualified dividend income, the Taxable-Equivalent Yield is lower.

2 The Fund paid shareholders a net ordinary income distribution in December 2006 of \$0.0052 per share.

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

Report of
INDEPENDENT REGISTERED PUBLIC
ACCOUNTING FIRM

TO THE BOARD OF TRUSTEES AND SHAREHOLDERS
NUVEEN SELECT MATURITIES MUNICIPAL FUND

We have audited the accompanying statement of assets and liabilities, including the portfolio of investments, of Nuveen Select Maturities Municipal Fund as of March 31, 2007, and the related statement of operations for the year then ended, the statement of changes in net assets for each of the two years in the period then ended, and the financial highlights for each of the periods indicated therein. These financial statements and financial highlights are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. We were not engaged to perform an audit of the Fund's internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements and financial highlights, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our procedures included confirmation of securities owned as of March 31, 2007, by correspondence with the custodian and brokers. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of Nuveen Select Maturities Municipal Fund at March 31, 2007, the results of its operations for the year then ended, changes in its net assets for each of the two years in the period then ended, and its financial highlights for each of the periods indicated therein in conformity with U.S. generally accepted accounting principles.

/s/ Ernst & Young LLP

Chicago, Illinois
May 21, 2007

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

PRINCIPAL AMOUNT (000)	DESCRIPTION	OPTIONAL C PROVISIONS
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 - 0.8%		
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
515	Winslow Industrial Development Authority, Arizona, Hospital Revenue Bonds, Winslow Memorial Hospital, Series 1998, 5.750%, 6/01/08	No Opt. C
960	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 - 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. C
1,380	North Little Rock, Arkansas, Electric Revenue Refunding Bonds, Series 1992A, 6.500%, 7/01/15 - MBIA Insured	No Opt. C
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 - 13.4%		

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

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
1,350	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
350	Colorado Housing Finance Authority, Single Family Program Senior Bonds, Series 2000D-2, 6.900%, 4/01/29 (Alternative Minimum Tax)	4/10 at 105
1,025	Denver Health and Hospitals Authority, Colorado, Healthcare Revenue Bonds, Series 2001A, 6.000%, 12/01/23	12/11 at 100
1,465	Denver West Metropolitan District, Colorado, General Obligation Refunding and Improvement Bonds, Series 2003, 4.500%, 12/01/18 - RAAI Insured	12/13 at 100
1,340	Eagle Bend Metropolitan District 2, Colorado, General Obligation Bonds, Series 2004, 5.000%, 12/01/20 - RAAI Insured	12/14 at 101
78	El Paso County, Colorado, FNMA Mortgage-Backed Single Family Revenue Refunding Bonds, Series 1992A-2, 8.750%, 6/01/11	No Opt. C
1,750	Erie, Boulder and Weld Counties, Colorado, Water Enterprise Revenue Bonds, Series 1998, 5.000%, 12/01/23 - ACA Insured	12/08 at 100
70	Northwest Parkway Public Highway Authority, Colorado, Revenue Bonds, Senior Series 2001A, 5.250%, 6/15/41 - FSA Insured	6/11 at 102

11

Nuveen Select Maturities Municipal Fund (NIM) (continued)
Portfolio of INVESTMENTS March 31, 2007

PRINCIPAL AMOUNT (000)	DESCRIPTION	OPTIONAL C PROVISIONS

	COLORADO (continued)	
\$ 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
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

20,218	Total Colorado	

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

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)		7/07 at 100
1,570	5.500%, 1/01/15 (Alternative Minimum Tax)		7/07 at 100

2,070 Total Connecticut

DISTRICT OF COLUMBIA - 0.5%

685	District of Columbia, General Obligation Refunding Bonds, Series 1993A, 6.000%, 6/01/07 - MBIA Insured		No Opt. C
85	District of Columbia, General Obligation Refunding Bonds, Series 1993A, 6.000%, 6/01/07 - MBIA Insured (ETM)		No Opt. C

770 Total District of Columbia

FLORIDA - 4.6%

2,400	Deltona, Florida, Utility Systems Water and Sewer Revenue Bonds, Series 2003, 5.250%, 10/01/17 - MBIA Insured		10/13 at 100
1,000	Florida Citizens Property Insurance Corporation, High Risk Account Revenue Bonds, Series 2007A, 5.000%, 3/01/15 - MBIA Insured		No Opt. C
2,000	Orange County, Florida, Tourist Development Tax Revenue Bonds, Series 2005, 5.000%, 10/01/22 - AMBAC Insured		10/15 at 100

5,400 Total Florida

ILLINOIS - 11.4%

790	Chicago, Illinois, Tax Increment Allocation Bonds, Irving/Cicero Redevelopment Project, Series 1998, 7.000%, 1/01/14		1/09 at 100
1,500	Cook County Township High School District 208, Illinois, General Obligation Bonds, Series 2006, 5.000%, 12/01/21 - MBIA Insured		12/15 at 100
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 105
2,000	Illinois Development Finance Authority, Revenue Refunding Bonds, Olin Corporation, Series 1993D, 6.750%, 3/01/16		4/10 at 102
2,000	Illinois Educational Facilities Authority, Revenue Bonds, Art Institute of Chicago, Series 2000, 4.450%, 3/01/34		3/14 at 102

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

(Mandatory put 3/01/15)

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
695	Illinois Health Facilities Authority, Revenue Bonds, Silver Cross Hospital and Medical Centers, Series 1999, 5.500%, 8/15/19	8/09 at 101
515	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 101
300	Illinois Housing Development Authority, Section 8 Elderly Housing Revenue Bonds, Skyline Towers Apartments, Series 1992B, 6.625%, 11/01/07	5/07 at 100
<hr/>		
13,690	Total Illinois	

12

PRINCIPAL AMOUNT (000)	DESCRIPTION	OPTIONAL C PROVISIONS
<hr/>		
	IOWA - 2.4%	
\$ 1,000	Iowa Finance Authority, Healthcare Revenue Bonds, Genesis Medical Center, Series 2000, 6.250%, 7/01/25	7/10 at 100
1,800	Iowa Tobacco Settlement Authority, Tobacco Settlement Asset-Backed Revenue Bonds, Series 2001B, 5.300%, 6/01/25 (Pre-refunded 6/01/11)	6/11 at 101
<hr/>		
2,800	Total Iowa	
<hr/>		
	KANSAS - 2.9%	
3,500	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 101
<hr/>		
	KENTUCKY - 1.5%	
1,875	Kentucky Housing Corporation, Housing Revenue Bonds, Series 2005G, 5.000%, 7/01/30 (Alternative Minimum Tax)	1/15 at 100
<hr/>		
	MARYLAND - 0.9%	

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

1,100	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 - 1.3%		
1,470	Massachusetts Housing Finance Agency, Rental Housing Mortgage Revenue Bonds, Series 2000H, 6.650%, 7/01/41 - MBIA Insured (Alternative Minimum Tax)	7/10 at 100
100	Massachusetts Port Authority, Special Facilities Revenue Bonds, Delta Air Lines Inc., Series 2001A, 5.200%, 1/01/20 - AMBAC Insured (Alternative Minimum Tax)	1/11 at 101

1,570	Total Massachusetts	

MICHIGAN - 1.8%		
1,000	Cornell Township Economic Development Corporation, Michigan, Environmental Improvement Revenue Refunding Bonds, MeadWestvaco Corporation-Escanaba Project, Series 2002, 5.875%, 5/01/18 (Pre-refunded 5/01/12)	5/12 at 100
51	Michigan State Hospital Finance Authority, Collateralized Loan, Detroit Medical Center, Series 2001, 7.360%, 4/01/07	No Opt. C
600	Michigan State Hospital Finance Authority, Hospital Revenue Refunding Bonds, Sinai Hospital, Series 1995, 6.625%, 1/01/16	7/07 at 101
470	Michigan State Hospital Finance Authority, Revenue Refunding Bonds, Detroit Medical Center, Series 1988A, 8.125%, 8/15/12	8/07 at 100

2,121	Total Michigan	

MINNESOTA - 0.8%		
1,000	White Earth Band of Chippewa Indians, Minnesota, Revenue Bonds, Series 2000A, 7.000%, 12/01/11 - ACA Insured	No Opt. C

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

NEW YORK - 8.0%		
1,000	Dormitory Authority of the State of New York, Revenue Bonds, Brooklyn Law School, Series 2003A, 5.500%, 7/01/15 -	7/13 at 100

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

RAAI Insured

1,500	New York State Energy Research and Development Authority, Facilities Revenue Bonds, Consolidated Edison Company Inc., Series 2001A, 4.700%, 6/01/36 (Mandatory put 10/01/12) (Alternative Minimum Tax)	4/07 at 100
420	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 101
2,130	Niagara Falls, Niagara County, New York, General Obligation Water Treatment Plant Bonds, Series 1994, 8.500%, 11/01/07 - MBIA Insured (Alternative Minimum Tax) (ETM)	No Opt. C

13

Nuveen Select Maturities Municipal Fund (NIM) (continued)
Portfolio of INVESTMENTS March 31, 2007

PRINCIPAL AMOUNT (000)	DESCRIPTION	OPTIONAL C PROVISIONS

	NEW YORK (continued)	
\$ 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 - MBIA Insured (Alternative Minimum Tax)	No Opt. C

9,350	Total New York	

	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

	OHIO - 0.8%	
1,000	Toledo-Lucas County Port Authority, Ohio, Port Revenue Bonds, Cargill Inc., Series 2004B, 4.500%, 12/01/15	No Opt. C

	OKLAHOMA - 0.9%	
1,150	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

	PENNSYLVANIA - 7.7%	

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

1,205	Pennsylvania Higher Educational Facilities Authority, College Revenue Bonds, Ninth Series 1976, 7.625%, 7/01/15 (ETM)	No Opt. C
4,120	Philadelphia Gas Works, Pennsylvania, Revenue Bonds, Eighteenth Series 2004, 5.000%, 8/01/15 - AMBAC Insured	8/14 at 100
530	Philadelphia Gas Works, Pennsylvania, Revenue Bonds, Twelfth Series 1990B, 7.000%, 5/15/20 - MBIA Insured (ETM)	No Opt. C
2,085	Pittsburgh School District, Allegheny County, Pennsylvania, General Obligation Bonds, Series 2006B, 5.000%, 9/01/12 - AMBAC Insured	No Opt. C
1,000	Pittsburgh, Pennsylvania, General Obligation Bonds, Series 2005A, 5.000%, 9/01/11 - MBIA Insured	No Opt. C

8,940	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. C
2,835	Piedmont Municipal Power Agency, South Carolina, Electric Revenue Bonds, Series 1991, 6.750%, 1/01/19 - FGIC Insured	No Opt. C
1,260	South Carolina JOBS Economic Development Authority, Hospital Revenue Bonds, Palmetto Health Alliance, Series 2000A, 7.000%, 12/15/10 (ETM)	No Opt. C
500	Tobacco Settlement Revenue Management Authority, South Carolina, Tobacco Settlement Asset-Backed Bonds, Series 2001B, 6.000%, 5/15/22	5/11 at 101

6,885	Total South Carolina	
-------	----------------------	--

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 - 5.8%

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

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. C
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

14

PRINCIPAL AMOUNT (000)	DESCRIPTION	OPTIONAL C PROVISIONS

	TEXAS (continued)	
\$ 15	Brazos River Authority, Texas, Pollution Control Revenue Refunding Bonds, TXU Energy Company LLC, Series 2003A, 6.750%, 4/01/38 (Mandatory put 4/01/13) (Alternative Minimum Tax)	No Opt. C
1,875	Denton Independent School District, Denton County, Texas, General Obligation Bonds, Series 2006, 5.000%, 8/15/20	8/16 at 100
90	Galveston Property Finance Authority Inc., Texas, Single Family Mortgage Revenue Bonds, Series 1991A, 8.500%, 9/01/11	9/07 at 100
25	Sabine River Authority, Texas, Pollution Control Revenue Bonds, TXU Energy Company LLC Project, Series 2001B, 5.750%, 5/01/30 (Mandatory put 11/01/11) (Alternative Minimum Tax)	No Opt. C
1,500	Texas Municipal Gas Acquisition and Supply Corporation I, Gas Supply Revenue Bonds, Series 2006B, 4.148%, 12/15/17	7/07 at 100
100	Travis County Health Facilities Development Corporation, Texas, Hospital Revenue Bonds, Daughters of Charity National Health System, Series 1993B, 5.900%, 11/15/07 (ETM)	5/07 at 100
370	Tri-County Mental Health and Retardation Center, Texas, Revenue Bonds, Facilities Acquisition Program, Series 1995E, 6.500%, 3/01/15 - FSA Insured	9/07 at 100

7,055	Total Texas	

	UTAH - 1.4%	
1,690	Bountiful, Davis County, Utah, Hospital Revenue Refunding Bonds, South Davis Community Hospital Project, Series 1998, 6.000%, 12/15/10	No Opt. C

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

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

4,795	Total Washington	

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 - MBIA Insured (Alternative Minimum Tax)	8/07 at 100

WISCONSIN - 3.8%		
Badger Tobacco Asset Securitization Corporation, Wisconsin, Tobacco Settlement Asset-Backed Bonds, Series 2002:		
840	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 Inc., Series 2001, 6.000%, 7/01/21	7/11 at 100
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

4,470	Total Wisconsin	

\$ 118,784	Total Long-Term Investments (cost \$118,543,145) - 96.5%	
=====		

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

SHORT-TERM INVESTMENTS - 0.9%

\$ 1,150 New York City, New York, General Obligation Bonds, Variable
Rate Demand Obligations, Fiscal Series 2002A-7,
3.760%, 11/01/24 - AMBAC Insured (4)

Total Short-Term Investments (cost \$1,150,000)

Total Investments (cost \$119,693,145) - 97.4%

Other Assets Less Liabilities - 2.6%

Net Assets - 100%
=====

- (1) Optional Call Provisions (not covered by the report of independent registered public accounting firm): 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 (not covered by the report of independent registered public accounting firm): 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.
- (4) Investment has a maturity of more than one year, but has variable rate and demand features which qualify it as a short-term investment. The rate disclosed is that in effect at the end of the reporting period. This rate changes periodically based on market conditions or a specified market index.

N/R Not rated.

(ETM) Escrowed to maturity.

See accompanying notes to financial statements.

16

Statement of
ASSETS AND LIABILITIES March 31, 2007

ASSETS
Investments, at value (cost \$119,693,145) \$123,052,943
Cash 105,809
Receivables:

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

Interest	2,031,111
Investments sold	1,249,125
Other assets	7,663

Total assets	126,446,651

LIABILITIES	
Payable for investments purchased	42,727
Accrued expenses:	
Management fees	52,001
Other	35,622

Total liabilities	130,350

Net assets	\$126,316,301
=====	
Shares outstanding	12,396,406
=====	
Net asset value per share outstanding	\$ 10.19
=====	

NET ASSETS CONSIST OF:

Shares, \$.01 par value per share	\$ 123,964
Paid-in surplus	138,329,233
Undistributed (Over-distribution of) net investment income	(178,249)
Accumulated net realized gain (loss) from investments	(15,318,445)
Net unrealized appreciation (depreciation) of investments	3,359,798

Net assets	\$126,316,301
=====	
Authorized shares	Unlimited
=====	

See accompanying notes to financial statements.

17

Statement of
OPERATIONS Year Ended March 31, 2007

INVESTMENT INCOME	\$6,377,871

EXPENSES	
Management fees	612,517
Shareholders' servicing agent fees and expenses	11,342
Custodian's fees and expenses	67,172
Trustees' fees and expenses	2,549
Professional fees	11,548
Shareholders' reports - printing and mailing expenses	36,243
Stock exchange listing fees	9,780
Investor relations expense	20,702
Other expenses	6,152

Total expenses before custodian fee credit	778,005
Custodian fee credit	(45,513)

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

Net expenses	732,492
Net investment income	5,645,379
REALIZED AND UNREALIZED GAIN (LOSS)	
Net realized gain (loss) from investments	(16,869)
Change in net unrealized appreciation (depreciation) of investments	622,595
Net realized and unrealized gain (loss)	605,726
Net increase (decrease) in net assets from operations	\$6,251,105

See accompanying notes to financial statements.

18

Statement of
CHANGES IN NET ASSETS

OPERATIONS

Net investment income
Net realized gain (loss) from investments
Change in net unrealized appreciation (depreciation) of investments
Net increase (decrease) in net assets from operations

DISTRIBUTIONS TO SHAREHOLDERS

From net investment income
Decrease in net assets from distributions to shareholders

CAPITAL SHARE TRANSACTIONS

Net proceeds from shares issued to shareholders due to reinvestment of distributions
Net increase (decrease) in net assets from capital share transactions

Net increase (decrease) in net assets
Net assets at the beginning of year

Net assets at the end of year

Undistributed (Over-distribution of) net investment income at the end of year

See accompanying notes to financial statements.

19

Notes to
FINANCIAL STATEMENTS

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

1. GENERAL INFORMATION AND SIGNIFICANT ACCOUNTING POLICIES

The fund covered in this report and its corresponding New York Stock Exchange symbol is Nuveen Select Maturities Municipal Fund (NIM) (the "Fund"). The Fund is registered under the Investment Company Act of 1940, as amended, as a closed-end, diversified management investment company.

The Fund seeks to provide current income exempt from regular federal income tax, consistent with the preservation of capital by investing in a diversified, investment-grade quality portfolio of municipal obligations with intermediate characteristics. In managing its portfolio, the Fund has purchased municipal obligations having remaining effective maturities of no more than fifteen years with respect to 80% of its total assets that, in the opinion of the Adviser, represent the best value in terms of the balance between yield and capital preservation currently available from the intermediate sector of the municipal market. The Adviser will actively monitor the effective maturities of the Fund's investments in response to prevailing market conditions, and will adjust its portfolio consistent with its investment policy of maintaining an average effective remaining maturity of twelve years or less.

The following is a summary of significant accounting policies followed by the Fund in the preparation of its financial statements in accordance with U.S. generally accepted accounting principles.

Investment Valuation

The prices of municipal bonds in the Fund's investment portfolio are provided by a pricing service approved by the Fund's Board of Trustees. When market price quotes are not readily available (which is usually the case for municipal securities), the pricing service may establish fair value based on yields or prices of municipal bonds of comparable quality, type of issue, coupon, maturity and rating, indications of value from securities dealers, evaluations of anticipated cash flows or collateral and general market conditions. If the pricing service is unable to supply a price for a municipal bond, the Fund may use a market price or fair market value quote provided by a major broker/dealer in such investments. If it is determined that the market price or fair market value for an investment is unavailable or inappropriate, the Board of Trustees of the Fund, or its designee, may establish a fair value for the investment. Temporary investments in securities that have variable rate and demand features qualifying them as short-term investments are valued at amortized cost, which approximates market value.

Investment Transactions

Investment transactions are recorded on a trade date basis. Realized gains and losses from transactions are determined on the specific identification method. Investments purchased on a when-issued/delayed delivery basis may have extended settlement periods. Any investments so purchased are subject to market fluctuation during this period. The Fund has instructed the custodian to segregate assets with a current value at least equal to the amount of the when-issued/delayed delivery purchase commitments. At March 31, 2007, the Fund had no such outstanding purchase commitments.

Investment Income

Interest income, which includes the amortization of premiums and accretion of discounts for financial reporting purposes, is recorded on an accrual basis. Investment income also includes paydown gains and losses, if any.

Federal Income Taxes

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

The Fund intends to distribute substantially all net investment income and net capital gains to shareholders and to otherwise comply with the requirements of Subchapter M of the Internal Revenue Code applicable to regulated investment companies. Therefore, no federal income tax provision is required. Furthermore, the Fund intends to satisfy conditions which will enable interest from municipal securities, which is exempt from regular federal income tax, to retain such tax-exempt status when distributed to shareholders of the Fund. Net realized capital gains and ordinary income distributions paid by the Fund are subject to federal taxation.

20

Dividends and Distributions to Shareholders

Dividends from tax-exempt net investment income are declared monthly. Net realized capital gains and/or market discount from investment transactions, if any, are distributed to shareholders not less frequently than annually. Furthermore, capital gains are distributed only to the extent they exceed available capital loss carryforwards.

Distributions to shareholders of tax-exempt net investment income, net realized capital gains and/or market discount, if any, are recorded on the ex-dividend date. The amount and timing of distributions are determined in accordance with federal income tax regulations, which may differ from U.S. generally accepted accounting principles.

Derivative Financial Instruments

The Fund is authorized to invest in certain derivative financial instruments including futures, forward, swap and option contracts, and other financial instruments with similar characteristics. Although the Fund is authorized to invest in such financial instruments, and may do so in the future, it did not invest in any such instruments during the fiscal year ended March 31, 2007.

Custodian Fee Credit

The Fund has an arrangement with the custodian bank whereby certain custodian fees and expenses are reduced by credits earned on the Fund's cash on deposit with the bank. Such deposit arrangements are an alternative to overnight investments.

Indemnifications

Under the Fund's organizational documents, its Officers and Trustees are indemnified against certain liabilities arising out of the performance of their duties to the Fund. In addition, in the normal course of business, the Fund enters into contracts that provide general indemnifications to other parties. The Fund's maximum exposure under these arrangements is unknown as this would involve future claims that may be made against the Fund that have not yet occurred. However, the Fund has not had prior claims or losses pursuant to these contracts and expects the risk of loss to be remote.

Use of Estimates

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of increases and

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

decreases in net assets from operations during the reporting period. Actual results may differ from those estimates.

2. FUND SHARES

The Fund did not engage in transactions in its own shares during the fiscal year ended March 31, 2007. During the fiscal year ended March 31, 2006, 1,429 shares were issued to shareholders due to reinvestment of distributions.

3. INVESTMENT TRANSACTIONS

Purchases and sales (including maturities but excluding short-term investments) during the fiscal year ended March 31, 2007, aggregated \$17,835,072 and \$20,329,949, respectively.

4. 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. To the extent that differences arise that are permanent in nature, such amounts are reclassified within the capital accounts on the Statement of Assets and Liabilities presented in the annual report, based on their federal tax basis treatment; temporary differences do not require reclassification. Temporary and permanent differences do not impact the net asset values of the Fund.

At March 31, 2007, the cost of investments was \$119,643,609.

Gross unrealized appreciation and gross unrealized depreciation of investments at March 31, 2007, were as follows:

Gross unrealized:	
Appreciation	\$3,725,261
Depreciation	(315,927)

Net unrealized appreciation (depreciation) of investments	\$3,409,334
=====	

21

Notes to FINANCIAL STATEMENTS (CONTINUED)

The tax components of undistributed net tax-exempt income, net ordinary income and net long-term capital gains at March 31, 2007, the Fund's tax year end, were as follows:

Undistributed net tax-exempt income *	\$223,968
Undistributed net ordinary income **	713
Undistributed net long-term capital gains	--
=====	

* Undistributed net tax-exempt income (on a tax basis) has not been reduced for the dividend declared on March 1, 2007, paid on April 2, 2007.

** Net ordinary income consists of taxable market discount income and net

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

short-term capital gains, if any.

The tax character of distributions paid during the tax years ended March 31, 2007 and March 31, 2006, was designated for purposes of the dividends paid deduction as follows:

2007

Distributions from net tax-exempt income ***	\$5,764,329
Distributions from net ordinary income **	64,461
Distributions from net long-term capital gains	--
=====	

2006

Distributions from net tax-exempt income	\$5,875,503
Distributions from net ordinary income **	17,355
Distributions from net long-term capital gains	--
=====	

** Net ordinary income consists of taxable market discount income and net short-term capital gains, if any.

*** The Fund hereby designates this amount paid during the fiscal year ended March 31, 2007, as an Exempt Interest Dividend.

At March 31, 2007, the Fund had unused capital loss carryforwards of \$15,306,616 available for federal income tax purposes to be applied against future capital gains, if any. If not applied, \$14,922 of the carryforward will expire in the year 2010, \$6,523,386 will expire in 2011, \$8,737,799 will expire in 2012, \$4,977 will expire in 2013, \$14,448 will expire in 2014 and \$11,084 will expire in 2015.

The Fund elected to defer net realized losses from investments incurred from November 1, 2006 through March 31, 2007 ("post-October losses") in accordance with federal income tax regulations. Post-October losses of \$11,832 were treated as having arisen on the first day of the following fiscal year.

5. MANAGEMENT FEES AND OTHER TRANSACTIONS WITH AFFILIATES

The Fund's management fee is separated into two components - a complex-level component, based on the aggregate amount of all fund assets managed by Nuveen Asset Management (the "Adviser"), a wholly owned subsidiary of Nuveen Investments, Inc. ("Nuveen"), and a specific fund-level component, based only on the amount of assets within the Fund. This pricing structure enables Nuveen fund shareholders to benefit from growth in the assets within each individual fund as well as from growth in the amount of complex-wide assets managed by the Adviser.

The annual fund-level fee, payable monthly, is based upon the average daily net assets of the Fund as follows:

AVERAGE DAILY NET ASSETS	FUND-LEVEL FEE RATE

For the first \$125 million	.3000%
For the next \$125 million	.2875
For the next \$250 million	.2750
For the next \$500 million	.2625
For the next \$1 billion	.2500
For net assets over \$2 billion	.2375
=====	

The annual complex-level fee, payable monthly, which is additive to the fund-level fee, for all Nuveen sponsored funds in the U.S., is based on the aggregate amount of total fund assets managed as stated in the table below. As of March 31, 2007, the complex-level fee rate was .1834%.

COMPLEX-LEVEL ASSETS(1)	COMPLEX-LEVEL FEE RATE
For the first \$55 billion	.2000%
For the next \$1 billion	.1800
For the next \$1 billion	.1600
For the next \$3 billion	.1425
For the next \$3 billion	.1325
For the next \$3 billion	.1250
For the next \$5 billion	.1200
For the next \$5 billion	.1175
For the next \$15 billion	.1150
For Managed Assets over \$91 billion(2)	.1400

(1) The complex-level fee component of the management fee for the funds is calculated based upon the aggregate Managed Assets ("Managed Assets" means the average daily net assets of each fund including assets attributable to preferred stock issued by or borrowings by the Nuveen funds) of Nuveen-sponsored funds in the U.S.

(2) With respect to the complex-wide Managed Assets over \$91 billion, the fee rate or rates that will apply to such assets will be determined at a later date. In the unlikely event that complex-wide Managed Assets reach \$91 billion prior to a determination of the complex-level fee rate or rates to be applied to Managed Assets in excess of \$91 billion, the complex-level fee rate for such complex-wide Managed Assets shall be .1400% until such time as a different rate or rates is determined.

The management fee compensates the Adviser for overall investment advisory and administrative services and general office facilities. The Fund pays no compensation directly to those of its Trustees who are affiliated with the Adviser or to its Officers, all of whom receive remuneration for their services to the Fund from the Adviser or its affiliates. The Board of Trustees has adopted a deferred compensation plan for independent Trustees that enables Trustees to elect to defer receipt of all or a portion of the annual compensation they are entitled to receive from certain Nuveen advised funds. Under the plan, deferred amounts are treated as though equal dollar amounts had been invested in shares of select Nuveen advised funds.

6. NEW ACCOUNTING PRONOUNCEMENTS

Financial Accounting Standards Board Interpretation No. 48

On July 13, 2006, the Financial Accounting Standards Board (FASB) released FASB Interpretation No. 48, "Accounting for Uncertainty in Income Taxes" (FIN 48). FIN 48 provides guidance for how uncertain tax positions should be recognized, measured, presented and disclosed in the financial statements. FIN 48 requires the evaluation of tax positions taken or expected to be taken in the course of preparing the Fund's tax returns to determine whether the tax positions are "more-likely-than-not" of being sustained by the applicable tax authority. Tax positions not deemed to meet the more-likely-than-not threshold would be recorded as a tax benefit or expense in the current year. Adoption of FIN 48 is required for fiscal years beginning after December 15, 2006, and is to be

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

applied to all open tax years as of the effective date. Recent SEC guidance allows funds to delay implementing FIN 48 into NAV calculations until the fund's last NAV calculations in the first required financial statement reporting period. As a result, the Fund must begin to incorporate FIN 48 into its NAV calculations by September 28, 2007. At this time, management is continuing to evaluate the implications of FIN 48 and does not expect the adoption of FIN 48 will have a significant impact on the net assets or results of operations of the Fund.

Financial Accounting Standards Board Statement of Financial Accounting Standards No. 157

In September 2006, the Financial Accounting Standards Board (FASB) issued Statement of Financial Accounting Standards (SFAS) No. 157, "Fair Value Measurements." This standard establishes a single authoritative definition of fair value, sets out a framework for measuring fair value and requires additional disclosures about fair value measurements. SFAS No. 157 applies to fair value measurements already required or permitted by existing standards. SFAS No. 157 is effective for financial statements issued for fiscal years beginning after November 15, 2007, and interim periods within those fiscal years. The changes to current generally accepted accounting principles from the application of this standard relate to the definition of fair value, the methods used to measure fair value, and the expanded disclosures about fair value measurements. As of March 31, 2007, the Fund does not believe the adoption of SFAS No. 157 will impact the financial statement amounts; however, additional disclosures may be required about the inputs used to develop the measurements and the effect of certain of the measurements included within the Statement of Operations for the period.

7. SUBSEQUENT EVENT

Distributions to Shareholders

The Fund declared a dividend distribution of \$.0365 per share from its tax-exempt net investment income which was paid on May 1, 2007, to shareholders of record on April 15, 2007.

23

Financial HIGHLIGHTS

Selected data for a share outstanding throughout each period:

	INVESTMENT OPERATIONS				LESS DISTRIBUTIONS	
	BEGINNING NET ASSET VALUE	NET INVESTMENT INCOME	NET REALIZED/ UNREALIZED GAIN (LOSS)	TOTAL	NET INVESTMENT INCOME	CAPITAL GAINS
Year Ended 3/31:						
2007	\$10.15	\$.46	\$.05	\$.51	\$ (.47)	\$ --
2006	10.22	.48	(.07)	.41	(.48)	--
2005	10.35	.49	(.14)	.35	(.48)	--
2004	10.34	.51	--	.51	(.50)	--
2003(a)	10.57	.43	(.22)	.21	(.44)	--
Year Ended 5/31:						

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

2002	11.21	.57	(.57)	--	(.61)	(.03)
TOTAL RETURNS			RATIOS/SUPPLEMENTA			
			RATIOS TO AVERAGE NET ASSETS BEFORE CREDIT			
	BASED ON MARKET VALUE+	BASED ON NET ASSET VALUE+	ENDING NET ASSETS (000)	EXPENSES	NET INVESTMENT INCOME	EXP
Year Ended 3/31:						
2007	4.75%	5.10%	\$126,316	.62%	4.44%	
2006	12.21	4.02	125,857	.59	4.67	
2005	(1.52)	3.44	126,645	.61	4.81	
2004	6.03	5.09	128,335	.63	4.92	
2003(a)	(1.48)	2.03	128,106	.65*	4.95*	
Year Ended 5/31:						
2002	1.87	(.06)	130,959	.69	5.23	

* Annualized.

** After custodian fee credit.

+ Total Return on Market Value is the combination of changes in the market price per share and the effect of reinvested dividend income and reinvested capital gains distributions, if any, at the average price paid per share at the time of reinvestment. Total Return on Net Asset Value is the combination of changes in net asset value, reinvested dividend income at net asset value and reinvested capital gains distributions at net asset value, if any. Total returns are not annualized.

(a) For the period June 1, 2002 through March 31, 2003.

See accompanying notes to financial statements.

24-25 spread

Board Members
AND OFFICERS

The management of the Funds, including general supervision of the duties performed for the Funds by the Adviser, is the responsibility of the Board Members of the Funds. The number of board members of the Fund is currently set at ten. None of the board members who are not "interested" persons of the Funds has ever been a director or employee of, or consultant to, Nuveen or its affiliates. The names and business addresses of the board members and officers of the Funds, their principal occupations and other affiliations during the past five years, the number of portfolios each oversees and other directorships they hold are set forth below.

POSITION(S) YEAR FIRST

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

NAME, BIRTHDATE AND ADDRESS	HELD WITH THE FUNDS	ELECTED OR APPOINTED AND CLASS(2)	PRINCIPAL OCCUPATION(S) INCLUDING OTHER DIRECTORSHIPS DURING PAST 5 YEARS
--------------------------------	---------------------------	---	--

 BOARD MEMBER WHO IS AN INTERESTED PERSON OF THE FUNDS:

Timothy R. Schwertfeger(1) 3/28/49 333 W. Wacker Drive Chicago, IL 60606	Chairman of the Board and Board Member	1994 Class I	Chairman (since 1996) and Director of Inc., Nuveen Investments, LLC; Chairman (1997) of Nuveen Asset Management; Chairman of Rittenhouse Asset Management, Inc. Chairman of Nuveen Investments Advisors formerly, Chairman and Director (1996-1997) Advisory Corp. and Nuveen Institutional formerly, Director (1996-2006) of Insurance Corporation.
---	---	-----------------	--

 BOARD MEMBERS WHO ARE NOT INTERESTED PERSONS OF THE FUNDS:

Robert P. Bremner 8/22/40 333 W. Wacker Drive Chicago, IL 60606	Lead Independent Board member	1997 Class III	Private Investor and Management Consultant
--	----------------------------------	-------------------	--

Lawrence H. Brown 7/29/34 333 W. Wacker Drive Chicago, IL 60606	Board member	1993 Class I	Retired (since 1989) as Senior Vice President Trust Company; Director (since 2002) of Board for Highland Park and Highwood, North Shore; Director (since 2006) of Pancreatic Cancer Foundation.
--	--------------	-----------------	---

Jack B. Evans 10/22/48 333 W. Wacker Drive Chicago, IL 60606	Board member	1999 Class III	President, The Hall-Perrine Foundation philanthropic corporation (since 1996) Chairman, United Fire Group, a public utility Adjunct Faculty Member, University of Gazette Companies; Life Trustee of College Foundation; formerly, Director formerly, Director, Federal Reserve Bank President and Chief Operating Officer Inc., a regional financial services firm
---	--------------	-------------------	---

William C. Hunter 3/6/48 333 W. Wacker Drive Chicago, IL 60606	Board member	2004 Class II	Dean, Tippie College of Business, University of July 2006); formerly, Dean and Director of Finance, School of Business at the University (2003-2006); previously, Senior Vice President Research at the Federal Reserve Bank of 2003); Director (since 1997), Credit Georgetown University; Director (since 2005) Corporation; Director, SS&C Technology October 2005).
---	--------------	------------------	---

David J. Kundert 10/28/42 333 W. Wacker Drive Chicago, IL 60606	Board member	2005 Class II	Director, Northwestern Mutual Wealth Company; Retired (since 2004) as Chairman Fleming Asset Management, President and Investment Advisors Corporation, and Mutual Funds; prior thereto, Executive One Corporation and Chairman and CEO, Investment Management Group; Board of
--	--------------	------------------	--

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

College; member of the Wisconsin Bar of Board of Directors, Friends of Boe member of Board of Directors, Milwaukee

26

NAME, BIRTHDATE AND ADDRESS	POSITION(S) HELD WITH THE FUNDS	YEAR FIRST ELECTED OR APPOINTED AND CLASS (2)	PRINCIPAL OCCUPATION(S) INCLUDING OTHER DIRECTORSHIPS DURING PAST 5 YEARS
-----------------------------	---------------------------------	---	---

 BOARD MEMBERS WHO ARE NOT INTERESTED PERSONS OF THE FUNDS (CONTINUED):

William J. Schneider 9/24/44 333 W. Wacker Drive Chicago, IL 60606	Board member	1997 Class III	Chairman of Miller-Valentine Partners investment company; formerly, Senior Operating Officer (retired, 2004) of formerly, Vice President, Miller-Vale Member, Chair of the Finance Committee Audit Committee of Premier Health Par profit company of Miami Valley Hospit Dayton Philharmonic Orchestra Associa Regional Leaders Forum, which promote economic development issues; Director Coalition; formerly, Member, Communit National City Bank, Dayton, Ohio and Council, Cleveland Federal Reserve Ba
---	--------------	-------------------	---

Judith M. Stockdale 12/29/47 333 W. Wacker Drive Chicago, IL 60606	Board member	1997 Class I	Executive Director, Gaylord and Dorot Foundation (since 1994); prior theret Great Lakes Protection Fund (from 199
---	--------------	-----------------	---

Carole E. Stone 6/28/47 333 West Wacker Drive Chicago, IL 60606	Board member	2007 Class I	Director, Chicago Board Options Excha New York Racing Association Oversight Commissioner, New York State Commissi Authority Reform (since 2005); former State Division of the Budget (2000-20 Authorities Control Board (2000-2004) Government Assistance Corporation (20
--	--------------	-----------------	---

Eugene S. Sunshine 1/22/50 333 W. Wacker Drive Chicago, IL 60606	Board member	2005 Class II	Senior Vice President for Business an Northwestern University (since 1997); Chicago Board Options Exchange; Chair Board of Directors, Rubicon, a pure c company owned by Northwestern Univers 1997), Evanston Chamber of Commerce a Inventure, a business development org (since 2006), Pathways, a provider of information for physically disabled i children; formerly, Director (2003-20 Holdings, a privately-held, national community-based services.
---	--------------	------------------	--

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

27

Board Members
AND OFFICERS (CONTINUED)

NAME, BIRTHDATE AND ADDRESS	POSITION(S) HELD WITH THE FUNDS	YEAR FIRST ELECTED OR APPOINTED (4)	PRINCIPAL OCCUPATION(S) DURING PAST 5 YEARS
OFFICERS OF THE FUND:			
Gifford R. Zimmerman 9/9/56 333 W. Wacker Drive Chicago, IL 60606	Chief Administrative Officer	1988	Managing Director (since 2002), Assis Associate General Counsel, formerly, Assistant General Counsel, of Nuveen Managing Director (2002-2004), Genera and Assistant Secretary, formerly, Vi Advisory Corp. and Nuveen Institution Managing Director (since 2002) and As and Associate General Counsel, former (since 1997), of Nuveen Asset Managem (since 2004) and Assistant Secretary Investments, Inc.; Assistant Secretar Management Company, LLC. (since 2002) Assistant Secretary of Nuveen Investm (since 2002); Managing Director, ASSO and Assistant Secretary of Rittenhous Inc., Symphony Asset Management LLC (Tradewinds Global Investors, LLC and Asset Management, LLC; (since 2006); Financial Analyst.
Julia L. Antonatos 9/22/63 333 W. Wacker Drive Chicago, IL 60606	Vice President	2004	Managing Director (since 2005), forme (since 2002) of Nuveen Investments, L Financial Analyst.
Michael T. Atkinson 2/3/66 333 W. Wacker Drive Chicago, IL 60606	Vice President and Assistant Secretary	2000	Vice President (since 2002) of Nuveen
Peter H. D'Arrigo 11/28/67 333 W. Wacker Drive Chicago, IL 60606	Vice President	1999	Vice President and Treasurer of Nuvee of Nuveen Investments, Inc. (since 19 Treasurer of Nuveen Asset Management Nuveen Investments Advisers Inc. (sin Treasurer of NWQ Investment Managem (since 2002); Vice President and Tre Rittenhouse Asset Management, Inc. (s of Symphony Asset Management LLC (sin Barbara Asset Management, LLC (since Treasurer, Tradewinds Global Investo formerly, Vice President and Treasur Nuveen Advisory Corp. and Nuveen Inst Corp.(3); Chartered Financial Analyst

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

John N. Desmond 8/24/61 333 W. Wacker Drive Chicago, IL 60606	Vice President	2005	Vice President, Director of Investment Investments, LLC (since January 2005) Business Manager, Deutsche Asset Mana 2004), Director, Business Development Deutsche Trust Bank Japan (2002-2003) Vice President, Head of Investment Op Scudder Investments Japan, (2000-2002 President, Head of Plan Administratio Services, Scudder Investments (1995-2
--	----------------	------	--

28

NAME, BIRTHDATE AND ADDRESS	POSITION(S) HELD WITH THE FUNDS	YEAR FIRST ELECTED OR APPOINTED (4)	PRINCIPAL OCCUPATION(S) DURING PAST 5 YEARS
--------------------------------	--	--	--

OFFICERS OF THE FUNDS (CONTINUED):

Lorna C. Ferguson 10/24/45 333 W. Wacker Drive Chicago, IL 60606	Vice President	1998	Managing Director (since 2004), forme Nuveen Investments, LLC, Managing Dir Vice President (1998-2004) of Nuveen Nuveen Institutional Advisory Corp. (3 (since 2005) of Nuveen Asset Managemen
---	----------------	------	--

William M. Fitzgerald 3/2/64 333 W. Wacker Drive Chicago, IL 60606	Vice President	1995	Managing Director (since 2002), forme Nuveen Investments, LLC; Managing Dir Nuveen Advisory Corp. and Nuveen Inst Corp. (3); Managing Director (since 200 Management; Vice President (since 200 Investments Advisers Inc.; Chartered
---	----------------	------	--

Stephen D. Foy 5/31/54 333 W. Wacker Drive Chicago, IL 60606	Vice President and Controller	1998	Vice President (since 1993) and Funds of Nuveen Investments, LLC; formerly, Funds Controller (1998-2004) of Nuveen Certified Public Accountant.
---	----------------------------------	------	---

Walter M. Kelly 2/24/70 333 West Wacker Drive Chicago, IL 60606	Chief Compliance Officer and Vice President	2003	Assistant Vice President and Assistan Funds (2003-2006); Assistant Vice Pre General Counsel (since 2003) of Nuveen previously, Associate (2001-2003) at Vedder, Price, Kaufman & Kammholz.
--	---	------	--

David J. Lamb 3/22/63 333 W. Wacker Drive Chicago, IL 60606	Vice President	2000	Vice President (since 2000) of Nuveen LLC; Certified Public Accountant.
--	----------------	------	---

Tina M. Lazar 8/27/61	Vice President	2002	Vice President of Nuveen Investments,
--------------------------	----------------	------	---------------------------------------

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

333 W. Wacker Drive
Chicago, IL 60606

29

Board Members
AND OFFICERS (CONTINUED)

NAME, BIRTHDATE AND ADDRESS	POSITION(S) HELD WITH THE FUNDS	YEAR FIRST ELECTED OR APPOINTED (4)	PRINCIPAL OCCUPATION(S) DURING PAST 5 YEARS
--------------------------------	--	--	--

OFFICERS OF THE FUNDS (CONTINUED):

Larry W. Martin 7/27/51 333 W. Wacker Drive Chicago, IL 60606	Vice President and Assistant Secretary	1988	Vice President, Assistant Secretary and Counsel of Nuveen Investments, LLC; former and Assistant Secretary of Nuveen Advisory Institutional Advisory Corp. (since 2005) and Assistant Secretary Inc.; Vice President (since 2005) and (since 1997) of Nuveen Asset Management (since 2000), Assistant Secretary and Counsel (since 1998) of Rittenhouse Advisors Vice President and Assistant Secretary Advisers Inc. (since 2002); Assistant Investment Management Company, LLC (since Asset Management LLC (since 2003) and Investors, LLC and Santa Barbara Asset (since 2006).
--	--	------	--

Kevin J. McCarthy 3/26/66 333 W. Wacker Drive Chicago, IL 60606	Vice President and Secretary	2007	Vice President and Assistant General Investments, LLC (since 2007); prior Boyd & Lloyd LLP (1997-2007)
--	---------------------------------	------	--

John V. Miller 4/10/67 333 W. Wacker Drive Chicago, IL 60606	Vice President	2007	Managing Director (since 2007), former (2002-2007) of Nuveen Investments, LLC Financial Analyst.
---	----------------	------	--

- (1) Mr. Schwertfeger is an "interested person" of the Funds, as defined in the Investment Company Act of 1940, because he is an officer and board member of the Adviser.
- (2) Board members serve three year terms. The Board of Trustees is divided into three classes, Class I, Class II, and Class III, with each class being elected to serve until the third succeeding annual shareholders meeting subsequent to its election or thereafter in each case when its respective successors are duly elected or appointed. The year first elected or appointed represents the year in which the board member was first elected or appointed to any fund in the Nuveen Complex.
- (3) Nuveen Advisory Corp. and Nuveen Institutional Advisory Corp. were reorganized into Nuveen Asset Management, effective January 1, 2005.

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

- (4) Officers serve one year terms through July of each year. The year first elected or appointed represents the year in which the Officer was first elected or appointed to any fund in the Nuveen Complex.

30

Notes

31

Reinvest Automatically
EASILY AND CONVENIENTLY

Sidebar text: NUVEEN MAKES REINVESTING EASY. A PHONE CALL IS ALL IT TAKES TO SET UP YOUR REINVESTMENT ACCOUNT.

NUVEEN CLOSED-END FUNDS
DIVIDEND REINVESTMENT PLAN

Your Nuveen Closed-End Fund allows you to conveniently reinvest dividends and/or capital gains distributions in additional Fund shares.

By choosing to reinvest, you'll be able to invest money regularly and automatically, and watch your investment grow through the power of tax-free compounding. Just like dividends or distributions in cash, there may be times when income or capital gains taxes may be payable on dividends or distributions that are reinvested.

It is important to note that an automatic reinvestment plan does not ensure a profit, nor does it protect you against loss in a declining market.

EASY AND CONVENIENT

To make recordkeeping easy and convenient, each month you'll receive a statement showing your total dividends and distributions, the date of investment, the shares acquired and the price per share, and the total number of shares you own.

HOW SHARES ARE PURCHASED

The shares you acquire by reinvesting will either be purchased on the open market or newly issued by the Fund. If the shares are trading at or above net asset value at the time of valuation, the Fund will issue new shares at the greater of the net asset value or 95% of the then-current market price. If the shares are trading at less than net asset value, shares for your account will be purchased on the open market. If the Plan Agent begins purchasing Fund shares on the open market while shares are trading below net asset value, but the Fund's shares subsequently trade at or above their net asset value before the Plan Agent is able to complete its purchases, the Plan Agent may cease open-market purchases and may invest the uninvested portion of the distribution in newly-issued Fund shares at a price equal to the greater of the shares' net asset value or 95% of the shares' market value on the last business day immediately prior to the purchase date. Dividends and distributions received to purchase shares in the open market will normally be invested shortly after the

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

dividend payment date. No interest will be paid on dividends and distributions awaiting reinvestment. Because the market price of the shares may increase before purchases are completed, the average purchase price per share may exceed the market price at the time of valuation, resulting in the acquisition of fewer shares than if the dividend or distribution had been paid in shares issued by the Fund. A pro rata portion of any applicable brokerage commissions on open market purchases will be paid by Plan participants. These commissions usually will be lower than those charged on individual transactions.

32

FLEXIBLE

You may change your distribution option or withdraw from the Plan at any time, should your needs or situation change. Should you withdraw, you can receive a certificate for all whole shares credited to your reinvestment account and cash payment for fractional shares, or cash payment for all reinvestment account shares, less brokerage commissions and a \$2.50 service fee.

You can reinvest whether your shares are registered in your name, or in the name of a brokerage firm, bank, or other nominee. Ask your investment advisor if his or her firm will participate on your behalf. Participants whose shares are registered in the name of one firm may not be able to transfer the shares to another firm and continue to participate in the Plan.

The Fund reserves the right to amend or terminate the Plan at any time. Although the Fund reserves the right to amend the Plan to include a service charge payable by the participants, there is no direct service charge to participants in the Plan at this time.

CALL TODAY TO START REINVESTING DIVIDENDS AND/OR DISTRIBUTIONS

For more information on the Nuveen Automatic Reinvestment Plan or to enroll in or withdraw from the Plan, speak with your financial advisor or call us at (800) 257-8787.

33

Glossary of TERMS USED IN THIS REPORT

AVERAGE ANNUAL TOTAL RETURN: This is a commonly used method to express an investment's performance over a particular, usually multi-year time period. It expresses the return that would have been necessary each year to equal the investment's actual cumulative performance (including change in NAV or market price and reinvested dividends and capital gains distributions, if any) over the time period being considered.

AVERAGE EFFECTIVE MATURITY: The average of the number of years to maturity of the bonds in a Fund's portfolio, computed by weighting each bond's time to maturity (the date the security comes due) by the market value of the security. This figure does not account for the likelihood of prepayments or the exercise of call provisions unless an escrow account has been established to redeem the bond before maturity.

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

LEVERAGE-ADJUSTED DURATION: Duration is a measure of the expected period over which a bond's principal and interest will be paid, and consequently is a measure of the sensitivity of a bond's or bond Fund's value to changes when market interest rates change. Generally, the longer a bond's or Fund's duration, the more the price of the bond or Fund will change as interest rates change. Leverage-adjusted duration takes into account the leveraging process for a Fund and therefore is longer than the duration of the Fund's portfolio of bonds.

MARKET YIELD (ALSO KNOWN AS DIVIDEND YIELD OR CURRENT YIELD): An investment's current annualized dividend divided by its current market price.

NET ASSET VALUE (NAV): A Fund's common share NAV per share is calculated by subtracting the liabilities of the Fund (including any MuniPreferred shares issued in order to leverage the Fund) from its total assets and then dividing the remainder by the number of shares outstanding. Fund NAVs are calculated at the end of each business day.

TAXABLE-EQUIVALENT YIELD: The yield necessary from a fully taxable investment to equal, on an after-tax basis, the yield of a municipal bond investment.

34

Other Useful
INFORMATION

QUARTERLY PORTFOLIO OF INVESTMENTS AND PROXY VOTING INFORMATION

The Fund's (i) quarterly portfolio of investments, (ii) information regarding how the Fund voted proxies relating to portfolio securities held during the 12-month period ended June 30, 2006, and (iii) a description of the policies and procedures that the Fund used to determine how to vote proxies relating to portfolio securities are available without charge, upon request, by calling Nuveen Investments toll-free at (800) 257-8787 or on Nuveen's website at www.nuveen.com.

You may also obtain this and other Fund information directly from the Securities and Exchange Commission ("SEC"). The SEC may charge a copying fee for this information. Visit the SEC on-line at <http://www.sec.gov> or in person at the SEC's Public Reference Room in Washington, D.C. Call the SEC at 1-202-942-8090 for room hours and operation. You may also request Fund information by sending an e-mail request to publicinfo@sec.gov or by writing to the SEC's Public References Section at 450 Fifth Street NW, Washington, D.C. 20549.

CEO CERTIFICATION DISCLOSURE

The Fund's Chief Executive Officer has submitted to the Exchange the annual CEO certification as required by Section 303A.12(a) of the NYSE Listed Company Manual.

The Fund has filed with the Securities and Exchange Commission the certification of its Chief Executive Officer and Chief Financial Officer required by Section 302 of the Sarbanes-Oxley Act.

BOARD OF TRUSTEES
Robert P. Bremner

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

Lawrence H. Brown
Jack B. Evans
William C. Hunter
David J. Kundert
William J. Schneider
Timothy R. Schwertfeger
Judith M. Stockdale
Carol E. Stone
Eugene S. Sunshine

FUND MANAGER
Nuveen Asset Management
333 West Wacker Drive
Chicago, IL 60606

CUSTODIAN
State Street Bank & Trust Company
Boston, MA

TRANSFER AGENT AND
SHAREHOLDER SERVICES
State Street Bank & Trust Company
Nuveen Funds
P.O. Box 43071
Providence, RI 02940-3071

(800) 257-8787

LEGAL COUNSEL
Chapman and Cutler LLP
Chicago, IL

INDEPENDENT REGISTERED
PUBLIC ACCOUNTING FIRM
Ernst & Young LLP
Chicago, IL

The Fund intends to repurchase shares of its own common stock in the future at such times and in such amounts as is deemed advisable. No shares were repurchased during the period covered by this report. Any future repurchases will be reported to shareholders in the next annual or semiannual report.

35

Nuveen Investments:
SERVING Investors
For GENERATIONS

Photo of: 2 women looking at a photo album.

Since 1898, financial advisors and their clients have relied on Nuveen Investments to provide dependable investment solutions. For the past century, Nuveen Investments has adhered to the belief that the best approach to investing is to apply conservative risk-management principles to help minimize volatility.

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

Building on this tradition, we today offer a range of high quality equity and fixed-income solutions that are integral to a well-diversified core portfolio. Our clients have come to appreciate this diversity, as well as our continued adherence to proven, long-term investing principles.

WE OFFER MANY DIFFERENT INVESTING SOLUTIONS FOR OUR CLIENTS' DIFFERENT NEEDS.

Managing \$166 billion in assets, as of March 31, 2007, Nuveen Investments offers access to a number of different asset classes and investing solutions through a variety of products. Nuveen Investments markets its capabilities under six distinct brands: NWQ, specializing in value-style equities; Nuveen, managing fixed-income investments; Santa Barbara, committed to growth equities; Tradewinds, specializing in global value equities; Rittenhouse, focused on "blue-chip" growth equities; and Symphony, with expertise in alternative investments as well as equity and income portfolios.

FIND OUT HOW WE CAN HELP YOU REACH YOUR FINANCIAL GOALS.

To learn more about the products and services Nuveen Investments offers, talk to your financial advisor, or call us at (800) 257-8787. Please read the information provided carefully before you invest.

Be sure to obtain a prospectus, where applicable. Investors should consider the investment objective and policies, risk considerations, charges and expenses of the Fund carefully before investing. The prospectus contains this and other information relevant to an investment in the Fund. For a prospectus, please contact your securities representative or Nuveen Investments, 333 W. Wacker Dr., Chicago, IL 60606. Please read the prospectus carefully before you invest or send money.

	o Share prices
	o Fund details
Learn more	o Daily financial news
about Nuveen Funds at	o Investor education
WWW.NUVEEN.COM/CEF	o Interactive planning tools

Logo: NUVEEN Investments

EAN-A-0307D

ITEM 2. CODE OF ETHICS.

As of the end of the period covered by this report, the registrant has adopted a code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions. There were no amendments to or waivers from the Code during the period covered by this report. The registrant has posted the code of ethics on its website at www.nuveen.com/etf. (To view the code, click on the Investor Resources drop down menu box, click on Fund Governance and then click on Code of Conduct.)

ITEM 3. AUDIT COMMITTEE FINANCIAL EXPERT.

The registrant's Board of Directors or Trustees determined that the registrant has at least one "audit committee financial expert" (as defined in Item 3 of Form N-CSR) serving on its Audit Committee. The registrant's audit committee financial expert is Jack B. Evans, Chairman of the Audit Committee, who is

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

"independent" for purposes of Item 3 of Form N-CSR.

Mr. Evans was formerly President and Chief Operating Officer of SCI Financial Group, Inc., a full service registered broker-dealer and registered investment adviser ("SCI"). As part of his role as President and Chief Operating Officer, Mr. Evans actively supervised the Chief Financial Officer (the "CFO") and actively supervised the CFO's preparation of financial statements and other filings with various regulatory authorities. In such capacity, Mr. Evans was actively involved in the preparation of SCI's financial statements and the resolution of issues raised in connection therewith. Mr. Evans has also served on the audit committee of various reporting companies. At such companies, Mr. Evans was involved in the oversight of audits, audit plans, and the preparation of financial statements. Mr. Evans also formerly chaired the audit committee of the Federal Reserve Bank of Chicago.

ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

Nuveen Select Maturities Municipal Fund

The following tables show the amount of fees that Ernst & Young LLP, the Fund's auditor, billed to the Fund during the Fund's last two full fiscal years. For engagements with Ernst & Young LLP the Audit Committee approved in advance all audit services and non-audit services that Ernst & Young LLP provided to the Fund, except for those non-audit services that were subject to the pre-approval exception under Rule 2-01 of Regulation S-X (the "pre-approval exception"). The pre-approval exception for services provided directly to the Fund waives the pre-approval requirement for services other than audit, review or attest services if: (A) the aggregate amount of all such services provided constitutes no more than 5% of the total amount of revenues paid by the Fund to its accountant during the fiscal year in which the services are provided; (B) the Fund did not recognize the services as non-audit services at the time of the engagement; and (C) the services are promptly brought to the Audit Committee's attention, and the Committee (or its delegate) approves the services before the audit is completed.

The Audit Committee has delegated certain pre-approval responsibilities to its Chairman (or, in his absence, any other member of the Audit Committee).

SERVICES THAT THE FUND'S AUDITOR BILLED TO THE FUND

FISCAL YEAR ENDED	AUDIT FEES BILLED TO FUND (1)	AUDIT-RELATED FEES BILLED TO FUND (2)	TAX FEES BILLED TO FUND (3)
March 31, 2007	\$ 9,674	\$ 0	\$ 0
Percentage approved pursuant to pre-approval exception	0%	0%	0%
March 31, 2006	\$ 9,192	\$ 0	\$ 405
Percentage approved pursuant to pre-approval exception	0%	0%	0%

(1) "Audit Fees" are the aggregate fees billed for professional services for

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

the audit of the Fund's annual financial statements and services provided in connection with statutory and regulatory filings or engagements.

- (2) "Audit Related Fees" are the aggregate fees billed for assurance and related services reasonably related to the performance of the audit or review of financial statements and are not reported under "Audit Fees".
- (3) "Tax Fees" are the aggregate fees billed for professional services for tax advice, tax compliance, and tax planning.
- (4) "All Other Fees" are the aggregate fees billed for products and services other than "Audit Fees", "Audit Related Fees", and "Tax Fees".

SERVICES THAT THE FUND'S AUDITOR BILLED TO THE ADVISER AND AFFILIATED FUND SERVICE PROVIDERS

The following tables show the amount of fees billed by Ernst & Young LLP to Nuveen Asset Management ("NAM" or the "Adviser"), and any entity controlling, controlled by or under common control with NAM ("Control Affiliate") that provides ongoing services to the Fund ("Affiliated Fund Service Provider"), for engagements directly related to the Fund's operations and financial reporting, during the Fund's last two full fiscal years.

The tables also show the percentage of fees subject to the pre-approval exception. The pre-approval exception for services provided to the Adviser and any Affiliated Fund Service Provider (other than audit, review or attest services) waives the pre-approval requirement if: (A) the aggregate amount of all such services provided constitutes no more than 5% of the total amount of revenues paid to Ernst & Young LLP by the Fund, the Adviser and Affiliated Fund Service Providers during the fiscal year in which the services are provided that would have to be pre-approved by the Audit Committee; (B) the Fund did not recognize the services as non-audit services at the time of the engagement; and (C) the services are promptly brought to the Audit Committee's attention, and the Committee (or its delegate) approves the services before the Fund's audit is completed.

FISCAL YEAR ENDED	AUDIT-RELATED FEES BILLED TO ADVISER AND AFFILIATED FUND SERVICE PROVIDERS	TAX FEES BILLED TO ADVISER AND AFFILIATED FUND SERVICE PROVIDERS (1)	ALL OTHER BILLED TO AND AFFILIA SERVICE PR
March 31, 2007	\$ 0	\$ 0	\$ 0
Percentage approved pursuant to pre-approval exception	0%	0%	0%
March 31, 2006	\$ 0	\$ 2,400	\$ 0
Percentage approved pursuant to pre-approval exception	0%	0%	0%

- (1) The amounts reported for the Fund under the column heading "Tax Fees" represents amounts billed to the Adviser exclusively for the preparation for the Fund's tax return, the cost of which is borne by the Adviser. In

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

the aggregate, for all Nuveen funds for which Ernst & Young LLP serves as independent registered public accounting firm, these fees amounted to \$161,400 in 2006. Beginning with fund fiscal years ending August 31, 2006, Ernst & Young LLP will no longer prepare the fund tax returns.

NON-AUDIT SERVICES

The following table shows the amount of fees that Ernst & Young LLP billed during the Fund's last two full fiscal years for non-audit services. The Audit Committee is required to pre-approve non-audit services that Ernst & Young LLP provides to the Adviser and any Affiliated Fund Services Provider, if the engagement related directly to the Fund's operations and financial reporting (except for those subject to the de minimis exception described above). The Audit Committee requested and received information from Ernst & Young LLP about any non-audit services that Ernst & Young LLP rendered during the Fund's last fiscal year to the Adviser and any Affiliated Fund Service Provider. The Committee considered this information in evaluating Ernst & Young LLP's independence.

FISCAL YEAR ENDED	TOTAL NON-AUDIT FEES BILLED TO FUND	TOTAL NON-AUDIT FEES BILLED TO ADVISER AND AFFILIATED FUND SERVICE PROVIDERS (ENGAGEMENTS RELATED DIRECTLY TO THE OPERATIONS AND FINANCIAL REPORTING OF THE FUND)	TOTAL NON-AUDIT BILLED TO ADVISE AFFILIATED FUND S PROVIDERS (ALL O ENGAGEMENT
March 31, 2007	\$ 0	\$ 0	\$ 0
March 31, 2006	\$ 405	\$ 2,400	\$ 0

"Non-Audit Fees billed to Adviser" for both fiscal year ends represent "Tax Fees" billed to Adviser in their respective amounts from the previous table.

Audit Committee Pre-Approval Policies and Procedures. Generally, the Audit Committee must approve (i) all non-audit services to be performed for the Fund by the Fund's independent accountants and (ii) all audit and non-audit services to be performed by the Fund's independent accountants for the Affiliated Fund Service Providers with respect to operations and financial reporting of the Fund. Regarding tax and research projects conducted by the independent accountants for the Fund and Affiliated Fund Service Providers (with respect to operations and financial reports of the Fund) such engagements will be (i) pre-approved by the Audit Committee if they are expected to be for amounts greater than \$10,000; (ii) reported to the Audit Committee chairman for his verbal approval prior to engagement if they are expected to be for amounts under \$10,000 but greater than \$5,000; and (iii) reported to the Audit Committee at the next Audit Committee meeting if they are expected to be for an amount under \$5,000.

ITEM 5. AUDIT COMMITTEE OF LISTED REGISTRANTS.

The registrant's Board of Directors or Trustees has a separately designated Audit Committee established in accordance with Section 3(a)(58)(A) of the Securities Exchange Act of 1934, as amended (15 U.S.C. 78c(a)(58)(A)). The members of the audit committee are Robert P. Bremner, Lawrence H. Brown, Jack B. Evans, William J. Schneider, Eugene S. Sunshine and effective January 1, 2007, David J. Kundert.

ITEM 6. SCHEDULE OF INVESTMENTS.

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

See Portfolio of Investments in Item 1.

ITEM 7. DISCLOSURE OF PROXY VOTING POLICIES AND PROCEDURES FOR CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

The registrant invests its assets primarily in municipal bonds and cash management securities. On rare occasions the registrant may acquire, directly or through a special purpose vehicle, equity securities of a municipal bond issuer whose bonds the registrant already owns when such bonds have deteriorated or are expected shortly to deteriorate significantly in credit quality. The purpose of acquiring equity securities generally will be to acquire control of the municipal bond issuer and to seek to prevent the credit deterioration or facilitate the liquidation or other workout of the distressed issuer's credit problem. In the course of exercising control of a distressed municipal issuer, NAM may pursue the registrant's interests in a variety of ways, which may entail negotiating and executing consents, agreements and other arrangements, and otherwise influencing the management of the issuer. NAM does not consider such activities proxy voting for purposes of Rule 206(4)-6 under the 1940 Act, but nevertheless provides reports to the registrant's Board of Trustees on its control activities on a quarterly basis.

In the rare event that a municipal issuer were to issue a proxy or that the registrant were to receive a proxy issued by a cash management security, NAM would either engage an independent third party to determine how the proxy should be voted or vote the proxy with the consent, or based on the instructions, of the registrant's Board of Trustees or its representative. A member of NAM's legal department would oversee the administration of the voting, and ensure that records were maintained in accordance with Rule 206(4)-6, reports were filed with the SEC on Form N-PX, and the results provided to the registrant's Board of Trustees and made available to shareholders as required by applicable rules.

ITEM 8. PORTFOLIO MANAGERS OF CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

PORTFOLIO MANAGER

The following individual has primary responsibility for the day-to-day implementation of the registrant's investment strategies:

NAME	FUND
Paul Brennan	Nuveen Select Maturities Municipal Fund

Other Accounts Managed. In addition to managing the registrant, the portfolio manager is also primarily responsible for the day-to-day portfolio management of the following accounts:

PORTFOLIO MANAGER	TYPE OF ACCOUNT MANAGED	NUMBER OF ACCOUNTS	ASSETS
Paul Brennan	Registered Investment Company	14	\$12,334 million
	Other Pooled Investment Vehicles	0	\$ 0 million
	Other Accounts	1	\$0.7 million

* Assets are as of March 31, 2007. None of the assets in these accounts are subject to an advisory fee based on performance.

Compensation. Each portfolio manager's compensation consists of three basic elements--base salary, cash bonus and long-term incentive compensation. The compensation strategy is to annually compare overall compensation, including these three elements, to the market in order to create a compensation structure that is competitive and consistent with similar financial services companies. As discussed below, several factors are considered in determining each portfolio manager's total compensation. In any year these factors may include, among

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

others, the effectiveness of the investment strategies recommended by the portfolio manager's investment team, the investment performance of the accounts managed by the portfolio manager, and the overall performance of Nuveen Investments, Inc. (the parent company of the NAM). Although investment performance is a factor in determining the portfolio manager's compensation, it is not necessarily a decisive factor. The portfolio manager's performance is evaluated in part by comparing manager's performance against a specified investment benchmark. This fund-specific benchmark is a customized subset (limited to bonds in each Fund's specific state and with certain maturity parameters) of the S&P/Investortools Municipal Bond index, an index comprised of bonds held by managed municipal bond fund customers of Standard & Poor's Securities Pricing, Inc. that are priced daily and whose fund holdings aggregate at least \$2 million. As of April 30, 2007, the S&P/Investortools Municipal Bond index was comprised of 50,300 securities with an aggregate current market value of \$ 985,620.

Base salary. Each portfolio manager is paid a base salary that is set at a level determined by NAM in accordance with its overall compensation strategy discussed above. NAM is not under any current contractual obligation to increase a portfolio manager's base salary.

Cash bonus. Each portfolio manager is also eligible to receive an annual cash bonus. The level of this bonus is based upon evaluations and determinations made by each portfolio manager's supervisors, along with reviews submitted by his peers. These reviews and evaluations often take into account a number of factors, including the effectiveness of the investment strategies recommended to the NAM's investment team, the performance of the accounts for which he serves as portfolio manager relative to any benchmarks established for those accounts, his effectiveness in communicating investment performance to stockholders and their representatives, and his contribution to the NAM's investment process and to the execution of investment strategies. The cash bonus component is also impacted by the overall performance of Nuveen Investments, Inc. in achieving its business objectives.

Long-term incentive compensation. Each portfolio manager is eligible to receive bonus compensation in the form of equity-based awards issued in securities issued by Nuveen Investments, Inc. The amount of such compensation is dependent upon the same factors articulated for cash bonus awards but also factors in his long-term potential with the firm.

Material Conflicts of Interest. Each portfolio manager's simultaneous management of the Registrant and the other accounts noted above may present actual or apparent conflicts of interest with respect to the allocation and aggregation of securities orders placed on behalf of the registrant and the other account. NAM, however, believes that such potential conflicts are mitigated by the fact that the NAM has adopted several policies that address potential conflicts of interest, including best execution and trade allocation policies that are designed to ensure (1) that portfolio management is seeking the best price for portfolio securities under the circumstances, (2) fair and equitable allocation of investment opportunities among accounts over time and (3) compliance with applicable regulatory requirements. All accounts are to be treated in a non-preferential manner, such that allocations are not based upon account performance, fee structure or preference of the portfolio manager. In addition, NAM has adopted a Code of Conduct that sets forth policies regarding conflicts of interest.

Beneficial Ownership of Securities. As of the March 31, 2007, the portfolio manager beneficially owned the following dollar range of equity securities issued by the Registrant and other Nuveen Funds managed by NAM's municipal investment team.

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

NAME OF PORTFOLIO MANAGER	FUND	DOLLAR RANGE OF EQUITY SECURITIES BENEFICIALLY OWNED IN FUND	DOLLAR R SECURITI IN THE R FUNDS MA MUNICIPA
Paul Brennan	Nuveen Select Maturities Municipal Fund	\$0	\$50,001-

PORTFOLIO MANAGER BIO:

Paul Brennan, CFA, CPA, became a portfolio manager of Flagship Financial Inc. in 1994, and subsequently became an Assistant Vice President of NAM upon the acquisition of Flagship Resources Inc. by Nuveen in 1997. He became Vice President of NAM in 2002. He currently manages investments for 15 Nuveen-sponsored investment companies.

ITEM 9. PURCHASES OF EQUITY SECURITIES BY CLOSED-END MANAGEMENT INVESTMENT COMPANY AND AFFILIATED PURCHASERS.

Not applicable.

ITEM 10. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS.

There have been no material changes to the procedures by which shareholders may recommend nominees to the registrants Board implemented after the registrant last provided disclosure in response to this item.

ITEM 11. 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 Rules 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934, as amended (the "Exchange Act") (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 second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

ITEM 12. EXHIBITS.

File the exhibits listed below as part of this Form. Letter or number the exhibits in the sequence indicated.

- (a)(1) Any code of ethics, or amendment thereto, that is the subject of the disclosure required by Item 2, to the extent that the registrant intends to satisfy the Item 2 requirements through filing of an exhibit: Not applicable because the code is posted on registrant's website at www.nuveen.com/etf and there were no amendments during the period covered by this report. (To view the

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

code, click on the Investor Resources drop down menu box, click on Fund Governance and then Code of Conduct.)

(a) (2) 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)) in the exact form set forth below: Ex-99.CERT Attached hereto.

(a) (3) Any written solicitation to purchase securities under Rule 23c-1 under the 1940 Act (17 CFR 270.23c-1) sent or given during the period covered by the report by or on behalf of the registrant to 10 or more persons. Not applicable.

(b) If the report is filed under Section 13(a) or 15(d) of the Exchange Act, provide the certifications required by Rule 30a-2(b) under the 1940 Act (17 CFR 270.30a-2(b)); Rule 13a-14(b) or Rule 15d-14(b) under the Exchange Act (17 CFR 240.13a-14(b) or 240.15d-14(b)), and Section 1350 of Chapter 63 of Title 18 of the United States Code (18 U.S.C. 1350) as an exhibit. A certification furnished pursuant to this paragraph will not be deemed "filed" for purposes of Section 18 of the Exchange Act (15 U.S.C. 78r), or otherwise subject to the liability of that section. Such certification will not be deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Exchange Act, except to the extent that the registrant specifically incorporates it by reference. Ex-99.906 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/ Kevin J. McCarthy

Kevin J. McCarthy
Vice President and Secretary

Date: June 8, 2007

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

Gifford R. Zimmerman
Chief Administrative Officer
(principal executive officer)

Date: June 8, 2007

By (Signature and Title)* /s/ Stephen D. Foy

Stephen D. Foy
Vice President and Controller

Edgar Filing: NUVEEN SELECT MATURITIES MUNICIPAL FUND - Form N-CSR

(principal financial officer)

Date: June 8, 2007

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