

NUVEEN MASSACHUSETTS DIVIDEND ADVANTAGE MUNICIPAL FUND  
Form N-Q  
October 30, 2013

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT  
COMPANY

Investment Company Act file number 811-09451

Nuveen Massachusetts Dividend Advantage Municipal Fund  
(Exact name of registrant as specified in charter)

Nuveen Investments  
333 West Wacker Drive, Chicago, Illinois 60606  
(Address of principal executive offices) (Zip code)

Kevin J. McCarthy  
Vice President and Secretary  
333 West Wacker Drive, Chicago, Illinois 60606  
(Name and address of agent for service)

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

Date of fiscal year end: 5/31

Date of reporting period: 8/31/13

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (§§ 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. § 3507.



## Item 1. Schedule of Investments

## Portfolio of Investments (Unaudited)

Nuveen Massachusetts Dividend Advantage  
Municipal Fund (NMB)  
August 31, 2013

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	Consumer Discretionary – 1.3% (0.9% of Total Investments)			
\$ 480	Boston Industrial Development Financing Authority, Massachusetts, Senior Revenue Bonds, Crosstown Center Project, Series 2002, 6.500%, 9/01/35 (Alternative Minimum Tax) Education and Civic Organizations – 44.7% (29.8% of Total Investments) Massachusetts Development Finance Agency, Revenue Bonds, Boston University, Tender Option Bond Trust 1163:	3/14 at 101.00	Caa3	\$ 337,992
490	17.227%, 10/01/48 (IF) (4)	10/23 at 100.00	A1	440,378
150	17.176%, 10/01/48 (IF) (4)	10/23 at 100.00	A1	134,828
500	Massachusetts Development Finance Agency Revenue Bonds, Lesley University Issue Series B-1 and B-2, 5.250%, 7/01/33 – AGM Insured	7/21 at 100.00	AA–	513,205
375	Massachusetts Development Finance Agency, Revenue Bonds, Boston University, Series 2009V-1, 5.000%, 10/01/29	10/19 at 100.00	A1	390,788
110	Massachusetts Development Finance Agency, Revenue Bonds, Draper Laboratory, Series 2008, 5.875%, 9/01/30	9/18 at 100.00	Aa3	121,611
400	Massachusetts Development Finance Agency, Revenue Bonds, Emerson College, Series 2010A, 5.000%, 1/01/40	1/20 at 100.00	BBB+	374,428
300	Massachusetts Development Finance Agency, Revenue Bonds, Merrimack College, Series 2012A,	7/22 at 100.00	BBB–	278,181

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1,000	5.250%, 7/01/42 Massachusetts Development Finance Agency, Revenue Bonds, The Broad Institute, Series 2011A,	4/21 at 100.00	AA-	1,016,210
450	5.250%, 4/01/37 Massachusetts Development Finance Agency, Revenue Bonds, Worcester Polytechnic Institute,	9/17 at 100.00	A+	448,754
200	Series 2007, 5.000%, 9/01/37 – NCFG Insured Massachusetts Development Finance Agency, Revenue Bonds, Worcester Polytechnic Institute,	9/22 at 100.00	A+	192,822
500	Series 2012, 5.000%, 9/01/50 Massachusetts Development Finance Authority, Revenue Bonds, WGBH Educational Foundation,	No Opt. Call	A	528,135
2,100	Series 2002A, 5.750%, 1/01/42 – AMBAC Insured Massachusetts Development Finance Authority, Revenue Bonds, WGBH Educational Foundation,	1/18 at 100.00	AA-	2,044,014
1,000	Series 2008A, 5.000%, 1/01/42 – AGC Insured Massachusetts Development Finance Authority, Revenue Refunding Bonds, Boston University,	5/29 at 105.00	A1	1,068,480
990	Series 1999P, 6.000%, 5/15/59 Massachusetts Educational Finance Authority, Educational Loan Revenue Bonds, Series 2001E,	1/14 at 100.00	AA	992,940
480	5.300%, 1/01/16 – AMBAC Insured (Alternative Minimum Tax) Massachusetts Educational Financing Authority, Education Loan Revenue Bonds, Series 2008H,	1/18 at 100.00	AA	499,253
500	6.350%, 1/01/30 – AGC Insured (Alternative Minimum Tax) Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Springfield College,	10/19 at 100.00	Baa1	517,015
1,500	Series 2010, 5.500%, 10/15/31 Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Wheaton College	1/20 at 100.00	A2	1,464,930
75	Issues, Series 2010F, 5.000%, 1/01/41 Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Williams College,	7/16 at 100.00	AA+	78,308
500	Series 2007L, 5.000%, 7/01/31 Massachusetts Health and Educational Facilities Authority, Revenue Refunding Bonds, Suffolk	7/19 at 100.00	BBB	510,875

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	University Issue, Series 2009A, 5.750%, 7/01/39			
100	Puerto Rico Industrial, Tourist, Educational, Medical and Environmental Control Facilities Fin	No Opt. Call	BBB	66,444
	Authority, Higher Ed Rev and Rev Refunding Bonds, University of the Sacred Heart Project, Series 2012, 5.000%, 10/01/42			
11,720	Total Education and Civic Organizations Health Care – 30.0% (20.0% of Total Investments)			11,681,599
	Massachusetts Development Finance Agency, Revenue Bonds, Partners HealthCare System, Series	7/20 at 100.00	AA	1,220,832
1,200	2011K-6, 5.375%, 7/01/41			
	Massachusetts Development Finance Agency, Revenue Bonds, UMass Memorial Health, Series 2011H,	7/21 at 100.00	BBB+	508,070
500	5.500%, 7/01/31			
	Massachusetts Health and Educational Facilities Authority Revenue Bonds, Quincy Medical Center	1/18 at 100.00	N/R	1,855
500	Issue, Series 2008A, 6.500%, 1/15/38 (5)			
	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Baystate Medical	7/19 at 100.00	A+	163,762
160	Center, Series 2009I, 5.750%, 7/01/36			
	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Caregroup Inc.,	8/18 at 100.00	A	809,116
775	Series B1 Capital Asset Program Converted June 13,2008, 5.375%, 2/01/26 – NPMG Insured			
	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Caregroup Inc.,	8/18 at 100.00	A	527,350
500	Series B2, Capital Asset Program, Converted June 9, 2009, 5.375%, 2/01/27 – NPMG Insured			
	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Children’s Hospital,	12/19 at 100.00	AA	1,044,260
1,000	Series 2009M, 5.500%, 12/01/39			
	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Emerson Hospital, Series 2005E:			
550	5.000%, 8/15/25 – RAAI Insured	8/15 at 100.00	N/R	496,980
315	5.000%, 8/15/35 – RAAI Insured	8/15 at 100.00	N/R	254,177
	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Lahey Clinic Medical	8/15 at 100.00	A+	641,100
600				

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	Center, Series 2005C, 5.000%, 8/15/21 – FGIC Insured Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Lahey Medical	8/17 at 100.00	A+	1,026,710
1,000				
	Center, Series 2007D, 5.250%, 8/15/28 Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Milford Regional	7/17 at 100.00	BBB–	264,973
290				
	Medical Center, Series 2007E, 5.000%, 7/15/32 Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Milton Hospital	7/15 at 100.00	BB–	480,515
500				
	Project, Series 2005D, 5.250%, 7/01/30 Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Northern Berkshire	11/13 at 100.00	D	122,254
159				
	Community Services Inc., Series 2012A, 6.000%, 2/15/43 Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Northern Berkshire	11/13 at 100.00	D	11,860
124				
	Community Services Inc., Series 2012B, 0.000%, 2/15/43 Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Northern Berkshire	No Opt. Call	D	2
185				
	Community Services Inc., Series 2012C, 0.000%, 2/15/43 Massachusetts Health and Educational Facilities Authority, Revenue Bonds, UMass Memorial	7/15 at 100.00	BBB+	272,375
285				
	Health Care, Series 2005D, 5.000%, 7/01/33 Total Health Care Housing/Multifamily – 7.8% (5.2% of Total Investments)			7,846,191
8,643				
	Massachusetts Development Finance Authority, Multifamily Housing Revenue Bonds, Emerson Manor	7/17 at 100.00	BB	522,638
555				
	Project, Series 2007, 4.800%, 7/20/48 Massachusetts Housing Finance Agency, Housing Revenue Bonds, Series 2003S, 5.050%, 12/01/23 (Alternative Minimum Tax)	11/13 at 100.00	AA–	500,130
500				
	Somerville Housing Authority, Massachusetts, GNMA Collateralized Mortgage Revenue Bonds, Clarendon Hill Towers, Series 2002, 5.200%, 11/20/22	5/14 at 101.00	N/R	1,020,970
1,000				
	Total Housing/Multifamily			2,043,738
2,055				

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	Housing/Single Family – 2.7% (1.8% of Total Investments)			
650	Massachusetts Housing Finance Agency, Single Family Housing Revenue Bonds, Series 2006-126, 4.625%, 6/01/32 (Alternative Minimum Tax)	6/16 at 100.00	AA	622,804
85	Massachusetts Housing Finance Agency, Single Family Housing Revenue Bonds, Series 2008, Trust 3145, 15.272%, 6/01/16 (IF)	No Opt. Call	AA	85,037
735	Total Housing/Single Family			707,841
100	Industrials – 1.4% (0.9% of Total Investments)			
	Massachusetts Development Finance Agency, Pioneer Valley Resource Recovery Revenue Bonds, Eco/Springfield LLC, Series 2006, 5.875%, 7/01/14 (Alternative Minimum Tax)	No Opt. Call	N/R	98,813
200	Massachusetts Development Finance Agency, Solid Waste Disposal Revenue Bonds, Waste Management Inc., Series 2003, 5.450%, 6/01/14	No Opt. Call	BBB	204,622
65	Massachusetts Development Finance Authority, Revenue Bonds, 100 Cambridge Street	11/13 at 100.00	A	61,799
365	Redevelopment, M/SRBC Project, Series 2002A, 5.125%, 2/01/34 – NPMFG Insured			365,234
	Total Industrials			
	Long-Term Care – 5.1% (3.4% of Total Investments)			
100	Massachusetts Development Finance Agency, Revenue Bonds, Carleton-Willard Village, Series 2010, 5.625%, 12/01/30	12/19 at 100.00	A–	101,941
725	Massachusetts Development Finance Agency, Revenue Bonds, Orchard Cove, Series 2007, 5.250%, 10/01/26	10/13 at 102.00	N/R	670,567
555	Massachusetts Development Finance Authority, First Mortgage Revenue Bonds, Berkshire	1/14 at 100.00	BBB	555,855
1,380	Retirement Community – Edgcombe Project, Series 2001A, 6.750%, 7/01/21			1,328,363
	Total Long-Term Care			
	Tax Obligation/General – 14.1% (9.4% of Total Investments)			
310	Ashland, Massachusetts, General Obligation Bonds, Series 2004, 5.250%, 5/15/23 – AMBAC Insured	5/15 at 100.00	Aa2	331,697
55	Fall River, Massachusetts, General Obligation Bonds, Series 2003, 5.000%, 2/01/21 – AGM Insured	2/14 at 100.00	AA–	55,758
1,000		2/21 at 100.00	Aa3	1,006,780

	Hampden-Wilbraham Regional School District, Hampden County, Massachusetts, General Obligation Bonds, Series 2011, 5.000%, 2/15/41 Norwell, Massachusetts, General Obligation Bonds, Series 2003, 5.000%, 11/15/20 – FGIC Insured	No Opt. Call	AAA	585,705
500	Puerto Rico, General Obligation and Public Improvement Bonds, Series 2002A, 5.500%, 7/01/29 – FGIC Insured	No Opt. Call	Baa3	390,685
1,280	Quincy, Massachusetts, General Obligation Bonds, Series 2011, 5.125%, 12/01/33	12/20 at 100.00	Aa2	1,319,693
3,645	Total Tax Obligation/General Tax Obligation/Limited – 16.6% (11.1% of Total Investments)			3,690,318
395	Martha’s Vineyard Land Bank, Massachusetts, Revenue Bonds, Series 2004, 5.000%, 5/01/26 –5/14 at 100.00 AMBAC Insured		A–	405,298
385	Massachusetts Bay Transportation Authority, Senior Lien Sales Tax Revenue Refunding Bonds, Series 2004C, 5.250%, 7/01/21	No Opt. Call	AAA	453,622
550	Massachusetts College Building Authority, Project Revenue Bonds, Series 2008A, 5.000%, 5/01/33 – AGC Insured	5/18 at 100.00	AA	559,647
285	Massachusetts College Building Authority, Revenue Bonds, Refunding Series 2012B, 5.000%, 5/01/37	5/22 at 100.00	AA	291,829
230	Massachusetts State, Special Obligation Dedicated Tax Revenue Bonds, Series 2005, 5.000%, 1/01/20 – FGIC Insured	No Opt. Call	A1	258,757
750	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, First Subordinate Series 2009A, 6.000%, 8/01/42	8/19 at 100.00	A+	668,438
1,500	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, First Subordinate Series 2011A-1, 5.000%, 8/01/43	8/21 at 100.00	A+	1,124,550
600	Virgin Islands Public Finance Authority, Gross Receipts Taxes Loan Note, Refunding Series 2012A, 5.000%, 10/01/32	No Opt. Call	BBB+	568,182
4,695	Total Tax Obligation/Limited Transportation – 6.2% (4.1% of Total Investments)			4,330,323
500	Massachusetts Port Authority, Airport System Revenue Bonds, Series 2010A, 5.000%, 7/01/30	7/20 at 100.00	AA	528,980



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400	Massachusetts Port Authority, Special Facilities Revenue Bonds, BOSFUEL Corporation, Series 2007, 5.000%, 7/01/32 – FGIC Insured (Alternative Minimum Tax)	7/17 at 100.00	A	383,940
500	Massachusetts Port Authority, Special Facilities Revenue Bonds, Delta Air Lines Inc., Series 2001A, 5.000%, 1/01/27 – AMBAC Insured (Alternative Minimum Tax)	1/14 at 100.00	N/R	447,305
260	Metropolitan Boston Transit Parking Corporation, Massachusetts, Systemwide Senior Lien Parking Revenue Bonds, Series 2011, 5.000%, 7/01/41	7/21 at 100.00	A+	260,819
1,660	Total Transportation U.S. Guaranteed – 15.5% (10.3% of Total Investments) (6)			1,621,044
530	Boston Water and Sewerage Commission, Massachusetts, General Revenue Bonds, Senior Series 2004A, 5.000%, 11/01/25 (Pre-refunded 11/01/14)	11/14 at 100.00	AA+ (6)	559,733
230	Massachusetts College Building Authority, Project Revenue Bonds, Series 2004A, 5.000%, 5/01/19 (Pre-refunded 5/01/14) – NCFG Insured	5/14 at 100.00	Aa2 (6)	237,374
250	Massachusetts College Building Authority, Project Revenue Bonds, Series 2006A, 5.000%, 5/01/31 (Pre-refunded 5/01/16) – AMBAC Insured	5/16 at 100.00	Aa2 (6)	278,650
495	Massachusetts Development Finance Authority, Revenue Bonds, Massachusetts College of Pharmacy and Allied Health Sciences, Series 2005D, 5.000%, 7/01/27 (Pre-refunded 7/01/15) – AGC Insured	7/15 at 100.00	AA– (6)	535,328
515	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Williams College, Series 2007L, 5.000%, 7/01/31 (Pre-refunded 7/01/16)	7/16 at 100.00	N/R (6)	577,459
500	Massachusetts School Building Authority, Dedicated Sales Tax Revenue Bonds, Series 2005A, 5.000%, 8/15/20 (Pre-refunded 8/15/15) – AGM Insured (UB)	8/15 at 100.00	AA+ (6)	544,490
750	Massachusetts State, Special Obligation Dedicated Tax Revenue Bonds, Series 2004, 5.250%, 1/01/25 (Pre-refunded 1/01/14) – FGIC Insured	1/14 at 100.00	A1 (6)	762,705
500		8/15 at 100.00	AAA	538,890

	Massachusetts Water Pollution Abatement Trust, Pooled Loan Program Bonds, Series 2005-11, 4.500%, 8/01/29 (Pre-refunded 8/01/15)			
3,770	Total U.S. Guaranteed Utilities – 1.0% (0.7% of Total Investments)			4,034,629
	Massachusetts Development Finance Agency, Resource Recovery Revenue Refunding Bonds, Covanta	11/17 at 100.00	BB+	
320	Energy Project, Series 2012B, 4.875%, 11/01/42			250,970
	Water and Sewer – 3.6% (2.4% of Total Investments)			
	Guam Government Waterworks Authority, Water and Wastewater System Revenue Bonds, Series 2005, 6.000%, 7/01/25	7/15 at 100.00	Ba2	
125				126,261
	Massachusetts Water Pollution Abatement Trust, Pooled Loan Program Bonds, Series 2006-12, 4.375%, 8/01/31 (UB)	8/16 at 100.00	AAA	
400				401,784
	Massachusetts Water Pollution Abatement Trust, Revenue Bonds, MWRA Loan Program, Series 2002A, 5.250%, 8/01/20	11/13 at 100.00	AAA	
200				200,821
	Massachusetts Water Resources Authority, General Revenue Bonds, Series 2006A, 4.000%, 8/01/46	8/16 at 100.00	AA+	
250				220,220
975	Total Water and Sewer			949,086
\$ 40,443	Total Investments (cost \$40,403,596) – 150.0%			39,187,328
	Floating Rate Obligations – (2.1%)			(560,000)
	MuniFund Term Preferred Shares, at Liquidation Value – (56.4)% (7)			(14,725,000)
	Other Assets Less Liabilities – 8.5%			2,226,333
	Net Assets Applicable to Common Shares – 100%			\$ 26,128,661

### Fair Value Measurements

Fair value is defined as the price that the Fund would receive upon selling an investment or transferring a liability in an orderly transaction to an independent buyer in the principal or most advantageous market for the investment. A three-tier hierarchy is used to maximize the use of observable market data and minimize the use of unobservable inputs and to establish classification of fair value measurements for disclosure purposes. Observable inputs reflect the assumptions market participants would use in pricing the asset or liability. Observable inputs are based on market data obtained from sources independent of the reporting entity. Unobservable inputs reflect the reporting entity's own assumptions about the assumptions market participants would use in pricing the asset or liability. Unobservable inputs are based on the best information available in the circumstances. The following is a summary of the three-tiered hierarchy of valuation input levels.

Level 1 – Inputs are unadjusted and prices are determined using quoted prices in active markets for identical securities.

Level 2 – Prices are determined using other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3 – Prices are determined using significant unobservable inputs (including management's assumptions in determining the fair value of investments).

The inputs or methodologies used for valuing securities are not an indication of the risks associated with investing in those securities. The following is a summary of the Fund's fair value measurements as of the end of the reporting period:

	Level 1	Level 2	Level 3	Total
Long-Term Investments:				
Municipal Bonds	\$ —	\$39,187,328	\$ —	\$39,187,328

### 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 timing differences in recognizing taxable market discount, timing differences in recognizing certain gains and losses on investment transactions and the treatment of investments in inverse floating rate securities reflected as financing transactions, if any. 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 value of the Fund.

As of August 31, 2013, the cost of investments was \$39,799,658.

Gross unrealized appreciation and gross unrealized depreciation of investments as of August 31, 2013, were as follows:

Gross unrealized:	
Appreciation	\$ 855,172
Depreciation	(2,027,927)
Net unrealized appreciation (depreciation) of investments	\$(1,172,755)

- (1) All percentages shown in the Portfolio of Investments are based on net assets applicable to common shares unless otherwise noted.
  - (2) Optional Call Provisions: Dates (month and year) and prices of the earliest optional call or redemption. There may be other call provisions at varying prices at later dates. Certain mortgage-backed securities may be subject to periodic principal paydowns.
  - (3) Ratings: Using the highest of Standard & Poor's Group ("Standard & Poor's"), Moody's Investors Service, Inc. ("Moody's") or Fitch, Inc. ("Fitch") rating. Ratings below BBB by Standard & Poor's, Baa by Moody's or BBB by Fitch are considered to be below investment grade. Holdings designated N/R are not rated by any of these national rating agencies.
  - (4) Investment, or portion of investment, has been pledged to collateralize the net payment obligations for investments in inverse floating rate transactions.
  - (5) At or subsequent to the end of the reporting period, this security is non-income producing. Non-income producing, in the case of a fixed-income security, generally denotes that the issuer has (1) defaulted on the payment of principal or interest, (2) is under the protection of the Federal Bankruptcy Court or (3) the Fund's Adviser has concluded that the issue is not likely to meet its future interest payment obligations and has directed the Fund's custodian to cease accruing additional income on the Fund's records.
  - (6) 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. Certain bonds backed by U.S. Government or agency securities are regarded as having an implied rating equal to the rating of such securities.
  - (7) MuniFund Term Preferred Shares, at Liquidation Value as a percentage of Total Investments is 37.6%.
  - (IF) Inverse floating rate investment.
  - (UB) Underlying bond of an inverse floating rate trust reflected as a financing transaction.
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Item 2. Controls and Procedures.

- a. The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act") (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934 (17 CFR 240.13a-15(b) or 240.15d-15(b)).
- b. There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d)) that occurred during the registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3. Exhibits.

File as exhibits as part of this Form a separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act (17 CFR 270.30a-2(a)), exactly as set forth below: See EX-99 CERT attached hereto.

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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 Massachusetts Dividend Advantage Municipal Fund

By (Signature and Title) /s/ Kevin J. McCarthy  
Kevin J. McCarthy  
Vice President and Secretary

Date: October 30, 2013

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: October 30, 2013

By (Signature and Title) /s/ Stephen D. Foy  
Stephen D. Foy  
Vice President and Controller (principal financial officer)

Date: October 30, 2013