

NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 26, 2005

PAGE 1  
000 A000000 11/30/2004  
000 C000000 0000897419  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
000 J000000 A  
001 A000000 NUVEEN MASSACHUSETTS PREMIUM INCOME MUNI FUND  
001 B000000 811-7484  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
002 B000000 CHICAGO  
002 C000000 IL  
002 D010000 60606  
002 D020000 1286  
003 000000 N  
004 000000 N  
005 000000 N  
006 000000 N  
007 A000000 N  
007 B000000 0  
007 C010100 1  
007 C010200 2  
007 C010300 3  
007 C010400 4  
007 C010500 5  
007 C010600 6  
007 C010700 7  
007 C010800 8  
007 C010900 9  
007 C011000 10  
008 A000001 NUVEEN ADVISORY CORP  
008 B000001 A  
008 C000001 801-12353  
008 D010001 CHICAGO  
008 D020001 IL  
008 D030001 60606  
008 D040001 1286  
011 A000001 DELETE  
011 A000002 DELETE  
011 A000003 DELETE  
011 A000004 DELETE  
011 A000005 DELETE  
011 A000006 DELETE  
011 A000007 DELETE  
011 A000008 DELETE  
012 A000001 EQUISERVE INC.  
012 B000001 84-05925  
012 C010001 BOSTON  
PAGE 2  
012 C020001 MA  
012 C030001 02940  
013 A000001 ERNST & YOUNG LLP  
013 B010001 CHICAGO  
013 B020001 IL  
013 B030001 60606

Edgar Filing: NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND - Form NSAR-A

014 A000001 NUVEEN INVESTMENTS, LLC  
 014 B000001 8-13464  
 015 A000001 STATE STREET BANK AND TRUST COMPANY  
 015 B000001 C  
 015 C010001 BOSTON  
 015 C020001 MA  
 015 C030001 02206  
 015 E010001 X  
 015 A000003 DELETE  
 015 A000004 DELETE  
 015 A000007 DELETE  
 018 000000 Y  
 019 A000000 Y  
 019 B000000 146  
 019 C000000 NUVEENFUND  
 020 C000001 0  
 020 C000002 0  
 020 C000003 0  
 020 C000004 0  
 020 C000005 0  
 020 C000006 0  
 020 C000007 0  
 020 C000008 0  
 020 C000009 0  
 020 C000010 0  
 021 000000 0  
 022 A000001 BANK OF AMERICA  
 022 B000001 56-2058405  
 022 C000001 2040  
 022 D000001 0  
 022 A000002 JPMORGAN  
 022 B000002 13-3224016  
 022 C000002 1561  
 022 D000002 0  
 022 A000003 BEAR STEARNS  
 022 B000003 13-3604093  
 022 C000003 1526  
 022 D000003 0  
 022 A000004 MORGAN STANLEY DEAN WITTER  
 022 B000004 13-2655998  
 022 C000004 0  
 022 D000004 1423  
 022 A000005 FIDELITY CAPITAL  
 022 B000005 04-2785576  
 022 C000005 0  
 PAGE 3  
 022 D000005 1009  
 022 A000006 CITIGROUP GLOBAL MARKETS  
 022 B000006 13-3214963  
 022 C000006 0  
 022 D000006 972  
 022 A000007 CORBY CAPITAL  
 022 B000007 52-1037969  
 022 C000007 534  
 022 D000007 0  
 022 A000008 DAIN RAUSHCER  
 022 B000008 41-0212020  
 022 C000008 215  
 022 D000008 0  
 022 C000009 0  
 022 D000009 0  
 022 C000010 0

Edgar Filing: NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND - Form NSAR-A

022	D000010	0
023	C000000	6260
023	D000000	5860
024	000000 N	
025	D000001	0
025	D000002	0
025	D000003	0
025	D000004	0
025	D000005	0
025	D000006	0
025	D000007	0
025	D000008	0
026	A000000 N	
026	B000000 N	
026	C000000 N	
026	D000000 Y	
026	E000000 N	
026	F000000 N	
026	G010000 N	
026	G020000 N	
026	H000000 N	
027	000000 N	
028	A010000	0
028	A020000	0
028	A030000	0
028	A040000	0
028	B010000	0
028	B020000	0
028	B030000	0
028	B040000	0
028	C010000	0
028	C020000	0
028	C030000	0
028	C040000	0
028	D010000	0
	PAGE 4	
028	D020000	0
028	D030000	0
028	D040000	0
028	E010000	0
028	E020000	0
028	E030000	0
028	E040000	0
028	F010000	0
028	F020000	0
028	F030000	0
028	F040000	0
028	G010000	0
028	G020000	0
028	G030000	0
028	G040000	0
028	H000000	0
030	A000000	0
030	B000000	0.00
030	C000000	0.00
031	A000000	0
031	B000000	0
032	000000	0
033	000000	0
035	000000	0
036	B000000	0
038	000000	0

Edgar Filing: NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND - Form NSAR-A

042	A000000	0
042	B000000	0
042	C000000	0
042	D000000	0
042	E000000	0
042	F000000	0
042	G000000	0
042	H000000	0
043	000000	0
044	000000	0
045	000000	Y
046	000000	N
047	000000	N
048	000000	0.000
048	A010000	0
048	A020000	0.000
048	B010000	0
048	B020000	0.000
048	C010000	0
048	C020000	0.000
048	D010000	0
048	D020000	0.000
048	E010000	0
048	E020000	0.000
048	F010000	0
	PAGE	5
048	F020000	0.000
048	G010000	0
048	G020000	0.000
048	H010000	0
048	H020000	0.000
048	I010000	0
048	I020000	0.000
048	J010000	0
048	J020000	0.000
048	K010000	0
048	K020000	0.000
049	000000	N
050	000000	N
051	000000	N
052	000000	Y
053	A000000	N
054	A000000	Y
054	B000000	N
054	C000000	N
054	D000000	N
054	E000000	N
054	F000000	N
054	G000000	N
054	H000000	Y
054	I000000	N
054	J000000	Y
054	K000000	N
054	L000000	N
054	M000000	Y
054	N000000	N
054	O000000	Y
055	A000000	Y
055	B000000	N
056	000000	N
057	000000	N
058	A000000	N

Edgar Filing: NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND - Form NSAR-A

059 000000 Y  
 060 A000000 Y  
 060 B000000 Y  
 061 000000 0  
 062 A000000 Y  
 062 B000000 0.0  
 062 C000000 0.0  
 062 D000000 0.0  
 062 E000000 0.7  
 062 F000000 0.0  
 062 G000000 0.0  
 062 H000000 0.0  
 062 I000000 0.0  
 062 J000000 0.0  
 062 K000000 0.0

PAGE 6

062 L000000 0.0  
 062 M000000 0.0  
 062 N000000 0.0  
 062 O000000 145.5  
 062 P000000 0.0  
 062 Q000000 0.0  
 062 R000000 0.0  
 063 A000000 0  
 063 B000000 8.1  
 064 A000000 Y  
 064 B000000 N  
 066 A000000 N  
 067 000000 N  
 068 A000000 N  
 068 B000000 N  
 069 000000 N  
 070 A010000 Y  
 070 A020000 N  
 070 B010000 N  
 070 B020000 N  
 070 C010000 Y  
 070 C020000 N  
 070 D010000 N  
 070 D020000 N  
 070 E010000 Y  
 070 E020000 N  
 070 F010000 N  
 070 F020000 N  
 070 G010000 Y  
 070 G020000 N  
 070 H010000 N  
 070 H020000 N  
 070 I010000 N  
 070 I020000 N  
 070 J010000 Y  
 070 J020000 N  
 070 K010000 N  
 070 K020000 N  
 070 L010000 N  
 070 L020000 N  
 070 M010000 N  
 070 M020000 N  
 070 N010000 N  
 070 N020000 N  
 070 O010000 Y  
 070 O020000 Y

Edgar Filing: NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND - Form NSAR-A

070	P010000	N	
070	P020000	N	
070	Q010000	N	
070	Q020000	N	
070	R010000	N	
	PAGE	7	
070	R020000	N	
071	A000000		6260
071	B000000		5860
071	C000000		101765
071	D000000		6
072	A000000	6	
072	B000000		2625
072	C000000		0
072	D000000		0
072	E000000		0
072	F000000		336
072	G000000		0
072	H000000		0
072	I000000		9
072	J000000		14
072	K000000		3
072	L000000		7
072	M000000		2
072	N000000		0
072	O000000		0
072	P000000		0
072	Q000000		0
072	R000000		5
072	S000000		1
072	T000000		0
072	U000000		0
072	V000000		0
072	W000000		59
072	X000000		436
072	Y000000		2
072	Z000000		2191
072AA	000000		224
072BB	000000		0
072CC	010000		1732
072CC	020000		0
072DD	010000		2087
072DD	020000		0
072EE	000000		0
073	A010000		0.4410
073	A020000		0.0000
073	B000000		0.0000
073	C000000		0.0000
074	A000000		235
074	B000000		0
074	C000000		500
074	D000000		101632
074	E000000		0
074	F000000		0
074	G000000		0
074	H000000		0
074	I000000		0
	PAGE	8	
074	J000000		10
074	K000000		0
074	L000000		1553
074	M000000		8

Edgar Filing: NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND - Form NSAR-A

074	N000000	103938
074	O000000	0
074	P000000	55
074	Q000000	0
074	R010000	0
074	R020000	0
074	R030000	0
074	R040000	27
074	S000000	34000
074	T000000	69856
074	U010000	4736
074	U020000	0
074	V010000	14.75
074	V020000	0.00
074	W000000	0.0000
074	X000000	286
074	Y000000	4332
075	A000000	0
075	B000000	69664
076	000000	16.14
077	A000000	N
078	000000	N
080	C000000	0
081	B000000	0
082	B000000	0
083	B000000	0
084	B000000	0
086	A010000	8
086	A020000	128
086	B010000	0
086	B020000	0
086	C010000	0
086	C020000	0
086	D010000	0
086	D020000	0
086	E010000	0
086	E020000	0
086	F010000	0
086	F020000	0
087	A010000	COMMON STOCK
087	A020000	67061E104
087	A030000	NMT
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	Y

PAGE 9

SIGNATURE STEPHEN D. FOY  
TITLE V.P. & CONTROLLER