

NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 29, 2008

PAGE 1
000 A000000 11/30/2007
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 MA PREMIUM INCOME MUNICIPAL FUND
001 B000000 811-07484
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 ASSET MANAGEMENT
008 B000001 A
008 C000001 801-14147
008 D010001 CHICAGO
008 D020001 IL
008 D030001 60606
008 D040001 1286
012 A000001 EQUISERVE INC.
012 B000001 84-05925
012 C010001 PROVIDENCE
012 C020001 RI
012 C030001 02940
013 A000001 ERNST & YOUNG LLP
013 B010001 CHICAGO
013 B020001 IL
013 B030001 60606
014 A000001 NUVEEN INVESTMENTS, LLC
014 B000001 8-13464
PAGE 2
015 A000001 STATE STREET BANK AND TRUST COMPANY
015 B000001 C
015 C010001 BOSTON
015 C020001 MA
015 C030001 02110
015 E010001 X

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

018 000000 Y
019 A000000 Y
019 B000000 184
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 MORGAN STANLEY
022 B000001 13-2655998
022 C000001 2517
022 D000001 1284
022 A000002 MERRILL LYNCH
022 B000002 13-5674085
022 C000002 1631
022 D000002 1097
022 A000003 JP MORGAN CHASE
022 B000003 13-3224016
022 C000003 2052
022 D000003 0
022 A000004 FIDELITY CAPITAL MARKETS
022 B000004 04-2785576
022 C000004 0
022 D000004 1850
022 A000005 POPULAR SECURITIES
022 B000005 66-0374802
022 C000005 0
022 D000005 1521
022 A000006 LEHMAN BROTHERS, INC
022 B000006 13-2518466
022 C000006 1068
022 D000006 0
022 A000007 STONE & YOUNGBERG
022 B000007 94-1052545
022 C000007 0
022 D000007 986
022 A000008 CITIGROUP
022 B000008 13-3214963
PAGE 3
022 C000008 812
022 D000008 0
022 A000009 BB&T CAPITAL MARKETS
022 B000009 54-0294670
022 C000009 302
022 D000009 0
022 C000010 0
022 D000010 0
023 C000000 8383
023 D000000 6739
024 000000 N
025 D000001 0
025 D000002 0
025 D000003 0
025 D000004 0
025 D000005 0

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

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
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
	PAGE 4	
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
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

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

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
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
	PAGE	5
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	Y
057	000000	N
058	A000000	N
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

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

062 F000000 0.0
062 G000000 0.0
062 H000000 0.0
062 I000000 0.0
062 J000000 0.0
062 K000000 0.0
062 L000000 0.0
062 M000000 0.0
062 N000000 0.0
062 O000000 144.9
062 P000000 0.0
062 Q000000 0.0
062 R000000 0.0
063 A000000 0
063 B000000 9.1

PAGE 6

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
070 P010000 N
070 P020000 N
070 Q010000 N
070 Q020000 N
070 R010000 N
070 R020000 N
071 A000000 8383
071 B000000 7714
071 C000000 101343

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

071 D000000	8
072 A000000	6
072 B000000	2512
072 C000000	0
072 D000000	0
PAGE 7	
072 E000000	0
072 F000000	324
072 G000000	0
072 H000000	0
072 I000000	8
072 J000000	15
072 K000000	4
072 L000000	8
072 M000000	1
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	60
072 X000000	426
072 Y000000	0
072 Z000000	2086
072AA000000	114
072BB000000	0
072CC010000	0
072CC020000	214
072DD010000	1472
072DD020000	0
072EE000000	0
073 A010000	0.3090
073 A020000	0.0000
073 B000000	0.0000
073 C000000	0.0000
074 A000000	878
074 B000000	0
074 C000000	500
074 D000000	100310
074 E000000	0
074 F000000	0
074 G000000	0
074 H000000	0
074 I000000	0
074 J000000	15
074 K000000	0
074 L000000	1623
074 M000000	218
074 N000000	103544
074 O000000	0
074 P000000	53
074 Q000000	0
074 R010000	0
PAGE 8	
074 R020000	0
074 R030000	0
074 R040000	236
074 S000000	34000

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

074	T000000	69255
074	U010000	4763
074	U020000	0
074	V010000	14.54
074	V020000	0.00
074	W000000	0.0000
074	X000000	235
074	Y000000	5856
075	A000000	0
075	B000000	68406
076	000000	13.11
077	A000000	Y
077	C000000	Y
077	Q010000	Y
078	000000	N
080	C000000	0
081	B000000	0
082	B000000	0
083	B000000	0
084	B000000	0
086	A010000	0
086	A020000	0
086	B010000	1
086	B020000	16
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
SIGNATURE	STEPHEN D. FOY	
TITLE	V.P. & CONTROLLER	