

NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND

Form NSAR-B

July 30, 2014

PAGE 1
000 B000000 05/31/2014
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
008 A000001 NUVEEN FUND ADVISORS, LLC
008 B000001 A
008 C000001 801-14147
008 D010001 CHICAGO
008 D020001 IL
008 D030001 60606
008 D040001 1286
008 A000002 NUVEEN ASSET MANAGEMENT, LLC.
008 B000002 S
008 C000002 801-71957
008 D010002 CHICAGO
008 D020002 IL
008 D030002 60606
008 D040002 1286
012 A000001 COMPUTERSHARE 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
015 A000001 STATE STREET BANK AND TRUST COMPANY
015 B000001 C
PAGE 2
015 C010001 BOSTON
015 C020001 MA
015 C030001 02110
015 E010001 X
018 000000 Y
019 A000000 Y

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019	B000000	201
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022	A000002	BARCLAYS BANK PLC
022	B000002	13-4942190
022	C000002	935
022	D000002	3116
022	A000003	FIRST SOUTHWEST
022	B000003	75-0708002
022	C000003	2643
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022	A000004	HAPOALIM SECURITIES
022	B000004	13-3732556
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022	D000004	333
022	A000005	WELLS FARGO
022	B000005	41-1508325
022	C000005	1454
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022	B000006	13-2982938
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022	B000007	36-2214610
022	C000007	1073
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022	A000008	MORGAN STANLEY
022	B000008	13-2655998
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022	B000009	13-3214963
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022	B000010	43-0538770
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067	000000	N
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072 R000000	25
072 S000000	6
072 T000000	0
072 U000000	0
072 V000000	0

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072 W000000	148
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072 Y000000	0
072 Z000000	2789
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074 Y000000	100520
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075 B000000	66831
076 000000	13.33

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077 B000000	Y
077 C000000	Y

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077 D000000	Y
078 000000	N

080 A000000 CHUBB GROUP OF INSURANCE COMPANIES

080 B000000 BERKLEY, GREAT AMERICAN, ST.PAUL,CNA & ZURICH

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080	C000000	114000
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086	E010000	0
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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	