

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  
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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  
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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  
 019 C000000 NUVEENFUND  
 021 000000 0  
 022 A000001 MERRILL LYNCH  
 022 B000001 13-5674085  
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 022 A000002 BARCLAYS BANK PLC  
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 022 C000002 935  
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 022 B000003 75-0708002  
 022 C000003 2643  
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 022 A000004 HAPOALIM SECURITIES  
 022 B000004 13-3732556  
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 022 A000005 WELLS FARGO  
 022 B000005 41-1508325  
 022 C000005 1454  
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 022 A000006 GMS GROUP LLC  
 022 B000006 13-2982938  
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 022 A000007 WILLIAM BLAIR  
 022 B000007 36-2214610  
 022 C000007 1073  
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 022 A000008 MORGAN STANLEY  
 022 B000008 13-2655998  
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 022 A000009 CITIGROUP  
 022 B000009 13-3214963  
 022 C000009 831  
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 022 A000010 STIFEL NICOLAUS + CO INC  
 022 B000010 43-0538770  
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 023 C000000 17205  
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024 000000 N  
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| 048 | F010000 | 0     |
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| 048 | G010000 | 0     |

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|     |         |       |   |
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| 054 | K000000 | N     |   |
|     | PAGE    | 5     |   |
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| 054 | N000000 | N     |   |
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| 064 | A000000 | Y     |   |
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| 066 | A000000 | N     |   |

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|-----|---------|----|--------|
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| 070 | B020000 | N  |        |
| 070 | C010000 | Y  |        |
| 070 | C020000 | N  |        |
| 070 | D010000 | N  |        |
| 070 | D020000 | N  |        |
| 070 | E010000 | Y  |        |
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| 070 | F010000 | N  |        |
|     | PAGE    | 6  |        |
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| 072 | Q000000 |    | 0      |

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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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 072BB000000 1953  
 072CC010000 128  
 072CC020000 0  
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 072EE000000 24  
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 073 B000000 0.0050  
 073 C000000 0.0000  
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 074 V020000 0.00  
 074 W000000 0.0000  
 074 X000000 137  
 074 Y000000 100520  
 075 A000000 0  
 075 B000000 66831  
 076 000000 13.33

077 A000000 Y  
 077 B000000 Y  
 077 C000000 Y

PAGE 8

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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|-----------|-------------------|--------------|--|
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| 087       | A010000           | COMMON STOCK |  |
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| 087       | A030000           | NMT          |  |
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| 088       | B000000           | N            |  |
| 088       | C000000           | N            |  |
| 088       | D000000           | Y            |  |
| SIGNATURE | STEPHEN D. FOY    |              |  |
| TITLE     | V.P. & CONTROLLER |              |  |