

NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND

Form NSAR-B

July 30, 2015

PAGE 1  
000 B000000 05/31/2015  
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  
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001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
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008 A000001 NUVEEN FUND ADVISORS, LLC  
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008 A000002 NUVEEN ASSET MANAGEMENT, LLC.  
008 B000002 S  
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008 D010002 CHICAGO  
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012 A000001 COMPUTERSHARE INC.  
012 B000001 84-05925  
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013 A000001 KPMG LLP  
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014 A000001 NUVEEN INVESTMENTS, LLC  
014 B000001 8-13464  
015 A000001 STATE STREET BANK AND TRUST COMPANY  
015 B000001 C  
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015 C010001 BOSTON  
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019 B000000 195  
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072 Q000000 0  
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077 Q010000 N  
078 000000 N  
080 A000000 CHUBB GROUP OF INSURANCE COMPANIES  
080 B000000 BERKLEY, GREAT AMERICAN, ST.PAUL,CNA & ZURICH  
080 C000000 114000  
081 A000000 Y  
081 B000000 194  
082 A000000 N  
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087 A020000 67061E104  
087 A030000 NMT  
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088 B000000 N  
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088 D000000 Y  
SIGNATURE STEPHEN D. FOY  
TITLE V.P. & CONTROLLER