

NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND

Form NSAR-B

July 30, 2013

PAGE 1  
000 B000000 05/31/2013  
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 B000000 811-07484  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
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008 D010001 CHICAGO  
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008 A000002 NUVEEN ASSET MANAGEMENT, LLC.  
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008 D010002 CHICAGO  
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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  
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015 E010001 X  
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019 B000000 210  
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 022 A000010 FIRST SOUTHWEST  
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072 R000000 22  
 072 S000000 7  
 072 T000000 0  
 072 U000000 0  
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078 000000 N  
 080 A000000 CHUBB GROUP OF INSURANCE COMPANIES  
 080 B000000 BERKLEY, GREAT AMERICAN, ST.PAUL,CNA & ZURICH  
 080 C000000 114000

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087	A030000	NMT	
088	A000000	N	
088	B000000	N	
088	C000000	N	
088	D000000	Y	
SIGNATURE	STEPHEN D. FOY		
TITLE	V.P. & CONTROLLER		