

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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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.
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008 D010002 CHICAGO
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012 A000001 COMPUTERSHARE INC.
012 B000001 84-05925
012 C010001 PROVIDENCE
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013 A000001 ERNST & YOUNG 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
PAGE 2
015 C010001 BOSTON
015 C020001 MA
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019 B000000 210
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072 R000000 22
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 072 U000000 0
 072 V000000 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		