

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
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001 B000000 811-07484
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002 A000000 333 WEST WACKER DRIVE
002 B000000 CHICAGO
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008 A000002 NUVEEN ASSET MANAGEMENT, LLC.
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012 A000001 COMPUTERSHARE INC.
012 B000001 84-05925
012 C010001 PROVIDENCE
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013 A000001 ERNST & YOUNG LLP
013 B010001 CHICAGO
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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
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072 R000000 25
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 072 V000000 0

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