

NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 29, 2014

PAGE 1  
000 A000000 11/30/2013  
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000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
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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.  
008 B000002 S  
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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  
013 B010001 CHICAGO  
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014 A000001 NUVEEN INVESTMENTS, LLC  
014 B000001 8-13464  
015 A000001 STATE STREET BANK AND TRUST COMPANY  
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015 C010001 BOSTON  
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019 B000000 209  
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087	A020000	67061E104
087	A030000	NMT
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	Y
SIGNATURE	STEPHEN D. FOY	
TITLE	V.P. & CONTROLLER	