

NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 30, 2012

PAGE 1
000 A000000 11/30/2011
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
001 A000000 NUVEEN MA PREMIUM INCOME MUNICIPAL FUND
001 B000000 811-07484
001 C000000 3129178200
002 A000000 333 WEST WACKER DRIVE
002 B000000 CHICAGO
002 C000000 IL
002 D010000 60606
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007 C010600 6
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007 C010800 8
007 C010900 9
007 C011000 10
008 A000001 NUVEEN FUND ADVISORS, INC.
008 B000001 A
008 C000001 801-14147
008 D010001 CHICAGO
008 D020001 IL
008 D030001 60606
008 D040001 1286
008 A000002 NUVEEN ASSET MANAGEMENT, LLC.
008 B000002 S
008 C000002 801-71957
008 D010002 CHICAGO
008 D020002 IL
008 D030002 60606
008 D040002 1286
012 A000001 EQUISERVE INC.
012 B000001 84-05925
012 C010001 PROVIDENCE
012 C020001 RI
PAGE 2
012 C030001 02940
013 A000001 ERNST & YOUNG LLP
013 B010001 CHICAGO
013 B020001 IL
013 B030001 60606
014 A000001 NUVEEN INVESTMENTS, LLC

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014 B000001 8-13464
 015 A000001 STATE STREET BANK AND TRUST COMPANY
 015 B000001 C
 015 C010001 BOSTON
 015 C020001 MA
 015 C030001 02110
 015 E010001 X
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 022 B000002 23-2211143
 022 C000002 1317
 022 D000002 1442
 022 A000003 MORGAN STANLEY
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 022 C000003 2004
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 022 A000004 CITIGROUP
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 022 A000005 JP MORGAN CHASE
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 022 B000006 13-4942190
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 PAGE 3
 022 D000006 0
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 022 B000007 36-2355753
 022 C000007 0
 022 D000007 788
 022 A000008 R SEELAUS & CO
 022 B000008 22-2501042
 022 C000008 508
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 022 A000009 THE MUNI CENTER INC
 022 C000009 0
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PAGE 7			
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087	A020000	67061E104
087	A030000	NMT
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088	C000000	N
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SIGNATURE	STEPHEN D. FOY	
TITLE	V.P. & CONTROLLER	