

NUVEEN MASSACHUSETTS PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 29, 2003

PAGE 1  
000 A000000 11/30/2002  
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 MASSACHUSETTS PREMIUM INCOME MUNI FUND  
001 B000000 811-7484  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
002 B000000 CHICAGO  
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002 D010000 60606  
002 D020000 1286  
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007 C010500 5  
007 C010600 6  
007 C010700 7  
007 C010800 8  
007 C010900 9  
007 C011000 10  
008 A000001 NUVEEN ADVISORY CORP  
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012 C010001 BOSTON  
PAGE 2  
012 C020001 MA  
012 C030001 02940  
013 A000001 ERNST & YOUNG  
013 B010001 CHICAGO  
013 B020001 IL  
013 B030001 60611

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014 A000001 NUVEEN INVESTMENTS, LLC  
 014 B000001 8-13464  
 015 A000001 STATE STREET BANK AND TRUST COMPANY  
 015 B000001 C  
 015 C010001 BOSTON  
 015 C020001 MA  
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 022 A000001 GOLDMAN SACHS  
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 022 A000002 BANK OF NEW YORK  
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 022 D000002 2000  
 022 A000003 DAIN RAUSCHER  
 022 B000003 41-0212020  
 022 C000003 1480  
 022 D000003 496  
 022 A000004 ISAAK BOND  
 022 B000004 84-0728399  
 022 C000004 1473  
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 022 A000005 EASTERN BANK  
 022 B000005 04-3067724  
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 PAGE 3  
 022 D000005 0  
 022 A000006 MERCHANT CAPITAL CORP.  
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 022 C000006 1000  
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 022 B000007 13-5674085  
 022 C000007 621  
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 022 B000008 13-2779884  
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054	N000000	N
054	O000000	Y
055	A000000	Y
055	B000000	N
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058	A000000	N

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059 000000 Y  
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PAGE 6

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070	P010000	N	
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087	A020000	67061E104
087	A030000	NMT
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	Y

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TITLE V.P. & CONTROLLER