

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 C010100 1  
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007 C010700 7  
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007 C010900 9  
007 C011000 10  
008 A000001 NUVEEN ADVISORY CORP  
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012 A000001 EQUISERVE INC.  
012 B000001 84-05925  
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  
015 C030001 02206  
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022 C000001 4000  
022 D000001 0  
022 A000002 BANK OF NEW YORK  
022 B000002 13-5160382  
022 C000002 0  
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  
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PAGE 3  
022 D000005 0  
022 A000006 MERCHANT CAPITAL CORP.  
022 B000006 63-0908075  
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022 B000007 13-5674085  
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022 A000008 QUICK & REILLY  
022 B000008 13-2779884  
022 C000008 0  
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054	K000000	N
054	L000000	N
054	M000000	Y
054	N000000	N
054	O000000	Y
055	A000000	Y
055	B000000	N
056	000000	N
057	000000	N
058	A000000	N

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059 000000 Y  
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 062 K000000 0.0

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 070 L020000 N  
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 070 O010000 Y  
 070 O020000 N

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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