

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 29, 2016

PAGE 1
000 A000000 11/30/2015
000 C000000 0000899782
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 MISSOURI PREMIUM INCOME MUNICIPAL FUND
001 B000000 811-07616
001 C000000 3129178200
002 A000000 333 WEST WACKER DRIVE
002 B000000 CHICAGO
002 C000000 IL
002 D010000 60606
002 D020000 1286
003 000000 N
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006 000000 N
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007 C010100 1
008 A000001 NUVEEN FUND ADVISORS, LLC
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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 COMPUTERSHARE INC.
012 B000001 84-05925
012 C010001 PROVIDENCE
012 C020001 RI
012 C030001 02940
013 A000001 KPMG LLP
013 B010001 CHICAGO
013 B020001 IL
013 B030001 60601
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
015 C020001 MA
015 C030001 02110
015 E010001 X
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019 A000000 Y

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019	B000000	197
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021	000000	0
022	A000001	STIFEL, NICOLAUS & CO
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022	C000001	1004
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022	A000004	PIPER JAFFRAY
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052 000000 Y
053 A000000 N
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060 B000000 Y

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070 A010000 Y
070 A020000 N
070 B010000 N
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070 C010000 Y
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070 D020000 N

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070	E010000	Y	
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072	X000000		316
072	Y000000		0
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072AA	000000		2
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072CC	010000		285

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072CC020000	0
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073 A010000	0.3660
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075 B000000	32429
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087 A010000 COMMON STOCK
087 A020000 67060Q108
087 A030000 NOM
088 A000000 N
088 B000000 N
088 C000000 N
088 D000000 N
SIGNATURE STEPHEN D. FOY
TITLE V.P. & CONTROLLER