

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
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001 B000000 811-07616
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002 D010000 60606
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012 A000001 COMPUTERSHARE INC.
012 B000001 84-05925
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013 A000001 KPMG 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
015 B000001 C
PAGE 2
015 C010001 BOSTON
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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