

NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND

Form NSAR-A

June 28, 2007

PAGE 1  
000 A000000 04/30/2007  
000 C000000 0001266585  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
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001 B000000 811-21449  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
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008 B000001 A  
008 C000001 801-14147  
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012 A000001 EQUISERVE INC.  
012 B000001 84-05925  
012 C010001 PROVIDENCE  
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013 A000001 ERNST & YOUNG LLP  
013 B010001 CHICAGO  
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014 A000001 NUVEEN INVESTMENTS, LLC  
014 B000001 8-13464  
PAGE 2  
015 A000001 STATE STREET BANK AND TRUST COMPANY  
015 B000001 C  
015 C010001 BOSTON  
015 C020001 MA  
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087 A020000	670682103
087 A030000	NMZ
088 A000000	N
088 B000000	N
088 C000000	N
088 D000000	Y
SIGNATURE	STEPHEN D. FOY
TITLE	V.P. & CONTROLLER