

NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND  
 Form 4  
 January 30, 2008

**FORM 4**

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 SCHNEIDER WILLIAM J

2. Issuer Name and Ticker or Trading Symbol  
 NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND [NMZ]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 Trustee

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
 01/29/2008

5502 TALL TREES DR  
 (Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

DAYTON, OH 45429

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	01/29/2008		P	2,400	A \$ 16	5,525	D
Common Stock	01/29/2008		P	100	A \$ 15.94	5,625	D
Common Stock						660	I

By Shares Held in Joint Tenant w/ Wife

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

Table with 10 columns: 1. Title of Derivative Security (Instr. 3), 2. Conversion or Exercise Price of Derivative Security, 3. Transaction Date (Month/Day/Year), 3A. Deemed Execution Date, if any (Month/Day/Year), 4. Transaction Code (Instr. 8), 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5), 6. Date Exercisable and Expiration Date (Month/Day/Year), 7. Title and Amount of Underlying Securities (Instr. 3 and 4), 8. Price of Derivative Security (Instr. 5), 9. Number of Derivative Securities Owned Beneficially (Instr. 3, 4, and 5), 10. Date Acquired or Disposed of (Instr. 3, 4, and 5). Includes sub-headers for Date Exercisable and Expiration Date, and Title or Number of Shares.

### Reporting Owners

Table with 2 main columns: Reporting Owner Name / Address and Relationships. Relationships include Director, 10% Owner, Officer, Other. Example: SCHNEIDER WILLIAM J, 5502 TALL TREES DR, DAYTON, OH 45429, Director (X), Trustee.

### Signatures

By: Kevin J. McCarthy/signed under POA 01/30/2008
\*\*Signature of Reporting Person Date

### Explanation of Responses:

\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).
\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.
Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.