

NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND
 Form 4
 June 21, 2011

FORM 4

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

OMB APPROVAL

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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 *
 CITIGROUP INC

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)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 06/17/2011

399 PARK AVENUE
 (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

NEW YORK, NY 10043
 (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 Indirect Beneficial Ownership (Instr. 4) | | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|---|------------------------------|
| | | | | (A) or (D) | Price | | | | |
| | | | | Code | V | Amount | | | |
| Auction Rate Preferred | 06/17/2011 | | J ⁽¹⁾ | 333 | D | \$ 25,000 | 388 | I | By Subsidiary ⁽²⁾ |
| Auction Rate Preferred | 06/20/2011 | | J ⁽¹⁾ | 193 | D | \$ 25,000.73 | 195 | I | By Subsidiary ⁽²⁾ |
| Auction Rate Preferred | 06/21/2011 | | J ⁽¹⁾ | 195 | D | \$ 25,000.68 | 0 | I | By Subsidiary ⁽²⁾ |

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

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(9-02)

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

| 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 Beneficially Owned (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| CITIGROUP INC 399 PARK AVENUE NEW YORK, NY 10043 | | X | | |

Signatures

Citigroup Inc., By: /s/ Ali L. Karshan, Assistant Secretary 06/21/2011

__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).
- (1) These Auction Preferred Shares ("Shares") were called for redemption by the issuer.
- (2) The Shares reported in Table I represent Shares beneficially owned by Citigroup Global Markets Inc. ("CGMI"). Citigroup Financial Products Inc. ("CFP") is the sole stockholder of CGMI. Citigroup Global Markets Holdings Inc. ("CGMH") is the sole stockholder of CFP. Citigroup Inc. is the sole stockholder of CGMH.

Remarks:

These Shares represent the Reporting Person's combined holdings in multiple series of auction preferred securities of the issue. Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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