

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

☐ Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>BANK OF AMERICA CORP /DE/</u> (Last) (First) (Middle) <u>BANK OF AMERICA CORPORATE CENTER</u> <u>100 N TRYON ST</u> (Street) <u>CHARLOTTE</u> <u>NC</u> <u>28255</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>NUVEEN MUNICIPAL HIGH INCOME</u> <u>OPPORTUNITY FUND [NMZ]</u> 3. Date of Earliest Transaction (Month/Day/Year) <u>12/11/2025</u> 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director ☒ 10% Owner Officer (give title below) Other (specify below) 6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person ☒ Form filed by More than One Reporting Person
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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)
			Code	V	Amount	(A) or (D)	Price			
Adjustable Rate MuniFund Term Preferred Shares	12/11/2025		J ⁽¹⁾		1,000 ⁽¹⁾	D	(1)	870 ⁽¹⁾	I	By Subsidiary ⁽²⁾ (3)
Adjustable Rate MuniFund Term Preferred Shares	12/11/2025		J ⁽¹⁾		1,000 ⁽¹⁾	A	(1)	1,000 ⁽¹⁾	I	By Trust ⁽¹⁾⁽²⁾ (3)

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

1. Name and Address of Reporting Person* <u>BANK OF AMERICA CORP /DE/</u> (Last) (First) (Middle) <u>BANK OF AMERICA CORPORATE CENTER</u> <u>100 N TRYON ST</u> (Street) <u>CHARLOTTE</u> <u>NC</u> <u>28255</u> (City) (State) (Zip)	1. Name and Address of Reporting Person* <u>Banc of America Preferred Funding Corp</u> (Last) (First) (Middle) <u>214 NORTH TRYON STREET</u> (Street) <u>CHARLOTTE</u> <u>NC</u> <u>28255</u> (City) (State) (Zip)
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Explanation of Responses:

1. The 1,000 shares 2032 Adjustable Rate MuniFund Term Preferred Shares (2032 AMTP Shares) reported as disposed of in Table I represent AMTP Shares of Nuveen Municipal High Income Opportunity Fund beneficially owned by Banc of America Preferred Funding Corporation (BAPFC) that, on December 11, 2025, BAPFC deposited into a tender option bond trust designated as TOB Series 2025-BAP0001 Trust (the TOB Trust). The TOB Trust has title to the AMTP Shares but does not independently have the power to dispose or direct the disposition of the AMTP Shares. BAPFC, as a beneficiary of the Trust and through its contractual rights, retains an indirect beneficial ownership in the AMTP Shares, including with respect to the voting rights on the AMTP Shares.

2. This statement is jointly filed by Bank of America Corporation and BAPFC. Bank of America Corporation holds an indirect interest in the 1,870 AMTP shares listed in Table I (the "Securities") by virtue of its indirect ownership of its subsidiary BAPFC.

3. Each reporting person declares that neither the filing of this statement nor anything herein shall be construed as an admission that such person is, for the purposes of Section 13(d) of the US Securities Exchange Act of 1934 or any other purpose, (i) acting (or has agreed or is agreeing to act together with any other person) as a partnership, limited partnership, syndicate, or other group for the purpose of acquiring, holding or disposing of securities of the Issuer or otherwise with respect to the Issuer or any securities of the Issuer or (ii) a member of any group with respect to the Issuer or any securities of the Issuer.

BANK OF AMERICA CORP /DE/
By Its: Authorized Signatory /s/ 12/15/2025
Andres Ortiz
BANC OF AMERICA
PREFERRED FUNDING
CORPORATION By Its: 12/15/2025
Authorized Signatory /s/ Andres
Ortiz

** Signature of Reporting Person Date

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

* 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.

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 Number.

JOINT FILING AGREEMENT

Pursuant to and in accordance with the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and the rules and regulations thereunder, each party hereto hereby agrees to the joint filing, on behalf of each of them, of any filing required by such party under Section 13 or Section 16 of the Exchange Act or any rule or regulation thereunder (including any amendment, restatement, supplement, and/or exhibit thereto) with the Securities and Exchange Commission (and, if such security is registered on a national securities exchange, also with the exchange), and further agrees to the filing, furnishing, and/or incorporation by reference of this agreement as an exhibit thereto. This agreement shall remain in full force and effect until revoked by any party hereto in a signed writing provided to each other party hereto, and then only with respect to such revoking party.

IN WITNESS WHEREOF, each party hereto, being duly authorized, has caused this agreement to be executed and effective as of December 15, 2025.

BANK OF AMERICA CORPORATION

By: /s/ Andres Ortiz

Name: Andres Ortiz

Title: Authorized Signatory

BANC OF AMERICA PREFERRED FUNDING CORP

By: /s/ Andres Ortiz

Name: Andres Ortiz

Title: Authorized Signatory