

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
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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

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>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director <input checked="" type="checkbox"/> 10% Owner  Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>04/24/2023</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)  Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person
	Rule 10b5-1(c) Transaction Indication  <input type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.	

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			
<u>Adjustable Rate MuniFund Term Preferred Shares</u>	<u>04/24/2023</u>		<u>J<sup>(1)</sup>(2)</u>		<u>1,000</u>	<u>A</u>	<u>(1)</u>	<u>1,870</u>	<u>I</u>	<u>By Subsidiary<sup>(2)(3)</sup></u>

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					

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)

Explanation of Responses:

1. The 1,000 Series 2032 Adjustable Rate MuniFund Term Preferred Shares ("2032 AMTP Shares") reported as acquired in Table I represent AMTP Shares of Nuveen Municipal High Income Opportunity Fund beneficially owned by Banc of America Preferred Funding Corporation ("PFC") and purchased in connection with a share transition coordinated by the Issuer. Prior to this filing, PFC held 870 Series 2028 Adjustable Rate MuniFund Term Preferred Shares, issued by the Issuer. PFC is a wholly owned subsidiary of Bank of America Corporation.

2. This statement is jointly filed by Bank of America Corporation and PFC. Bank of America Corporation holds an indirect interest in the securities listed in Table I by virtue of its indirect ownership of its subsidiary PFC.

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.

Remarks:

Exhibits Index, Exhibit 99.1 - Joint Filing Agreement, Exhibit 99.2 - Joint Filer Information

BANK OF AMERICA  
CORPORATION by: /s/ Michael 04/26/2023  
Jentis

BANC OF AMERICA  
PREFERRED FUNDING  
CORPORATION by: /s/ Michael 04/26/2023  
Jentis

\*\* 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 the date set forth below.

Date: April 26, 2023

**BANK OF AMERICA CORPORATION**

By: /s/ Michael Jentis

Name: Michael Jentis

Title: Managing Director

**BANC OF AMERICA PREFERRED FUNDING CORPORATION**

By: /s/ Michael Jentis

Name: Michael Jentis

Title: Managing Director

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## JOINT FILER INFORMATION

Item	Information
Name:	Banc of America Preferred Funding Corporation
Address:	214 North Tryon Street Charlotte, North Carolina 28255
Date of Event Requiring Statement (Month/Day/Year):	April 24, 2023
Issuer Name and Ticker or Trading Symbol:	Nuveen Municipal High Income Opportunity Fund (NMZ)
Relationship of Reporting Person(s) to Issuer:	10% Owner
If Amendment, Date Original Filed (Month/Day/Year):	Not Applicable
Individual or Joint/Group Filing:	Form filed by More than One Reporting Person
Signature:	<div>Banc of America Preferred Funding Corporation</div> <div> By: <u>/s/ Michael Jentis</u>  Name: Michael Jentis  Title: Managing Director  Date: April 26, 2023 </div>