See separate instructions.

## Part I Reporting Issuer

1	Issuer's name			2 Issuer's employer identification number (EIN) 57-1190596							
NU	VEEN MUNICIPAL HIGH	INCOME OPPORTU									
<b>3</b> Name of contact for additional information			4 Telephone	e No. of contact		5 Email address of contact					
SH	ANNON GALLAGHER			312-917-7706		shannon.gallagher@nuveen.com					
6	Number and street (or P	.O. box if mail is not o	elivered to street address) of contact			7 City, town, or post office, state, and ZIP code of contact					
333	3 WEST WACKER DRIVE					CHICAGO, IL 60606-1286					
8	Date of action		9 Class	ification and description	1						
SE	E ATTACHED		DISTRIBU	JTION IN EXCESS OF	CURRENT	AND ACCUMULATED EARNINGS AND PROFITS					
10	CUSIP number	CUSIP number <b>11</b> Serial number(s)		12 Ticker symbol		13 Account number(s)					
	SEE ATTACHED			SEE ATTACHED							
Ρ	art II Organizatio	nal Action Attacl	n additional	statements if needed	d. See bao	ck of form for additional questions.					
14	Describe the organizat	ional action and, if ap	plicable, the	date of the action or the	e date agai	nst which shareholders' ownership is measured for					
	the action ► THE FU	ND PAID A MONTHL	Y DISTRIBU	TION TO SHAREHOLI	DERS DUR	ING THE CALENDAR YEAR 2023. A PORTION					
OF	EACH DISTRIBUTION M	IAY CONSTITUTE A	NONTAXAB	LE RETURN OF CAPI	TAL. REFE	R TO ATTACHMENT FOR DETAILS.					

15 Describe the quantitative effect of the organizational action on the basis of the security in the hands of a U.S. taxpayer as an adjustment per share or as a percentage of old basis <a href="https://www.taylorgenetage.com">the portion of EACH DISTRIBUTION THAT CONSTITUTES A NONTAXABLE RETURN OF</a>

CAPITAL WILL DECREASE A U.S. TAXPAYER'S BASIS IN THE SHARES OF THE ISSUER. FOR THE NONTAXABLE RETURN OF CAPITAL PER SHARE AMOUNTS, SEE ATTACHMENT.

16 Describe the calculation of the change in basis and the data that supports the calculation, such as the market values of securities and the valuation dates ► <u>THE FUND'S CURRENT AND ACCUMULATED EARNINGS WERE COMPARED TO DISTRIBUTIONS PAID DURING THE</u> CALENDAR YEAR 2023. THE NONTAXABLE RETURN OF CAPITAL REPRESENTS THE AMOUNT OF DISTRIBUTIONS PAID DURING THE TAXABLE CALENDAR YEAR 2023 IN EXCESS OF THE FUND'S CURRENT AND ACCUMULATED EARNINGS AND PROFITS UNDER IRC SECTION 316.

## Part II Organizational Action (continued)

17 List the applicable Internal Revenue Code section(s) and subsection(s) upon which the tax treatment is based ► INTERNAL REVENUE CODE SECTIONS 301, 316 AND 852.

18 Can any resulting loss be recognized? ► <u>N/A</u>

19 Provide any other information necessary to implement the adjustment, such as the reportable tax year ► <u>THE ABOVE DESCRIBED</u> ORGANIZATIONAL ACTION IS REPORTABLE IN TAX YEAR 2023.

		Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.										
Sign Here	Signa	ture • <u>Ahannon</u>	Gallagher	Date ►	03/15/2024							
		your name ► SHANNON GALLA	U	Title ►	<ul> <li>VICE PRESIDENT</li> </ul>							
Paid Prepa	ror	Print/Type preparer's name	Preparer's signature	Date	Check if self-employed							
Use C	)nlv	Firm's name 🕨			Firm's EIN ►							
0360	////y	Firm's address ►			Phone no.							

Send Form 8937 (including accompanying statements) to: Department of the Treasury, Internal Revenue Service, Ogden, UT 84201-0054

Nuveen Municipal High Income Opportunity Fund EIN: 57-1190596 Form 8937 Attachment October 31, 2023

	CUSIP	Ticker Symbol	Payable Date	PER SHARE									
Share Class				Total Distribution		Income Dividends		Capital Gains		Exempt Interest Dividends		Return of Capital	
Common	670682103	NMZ	2/1/2023	\$	0.045500	\$	0.001113	\$	-	\$	0.043108	\$	0.001279
Common	670682103	NMZ	3/1/2023	\$	0.045500	\$	0.001113	\$	-	\$	0.043108	\$	0.001279
Common	670682103	NMZ	4/3/2023	\$	0.045500	\$	0.001113	\$	-	\$	0.043108	\$	0.001279
Common	670682103	NMZ	5/1/2023	\$	0.045500	\$	0.001113	\$	-	\$	0.043108	\$	0.001279
Common	670682103	NMZ	6/1/2023	\$	0.045500	\$	0.001113	\$	-	\$	0.043108	\$	0.001279
Common	670682103	NMZ	7/3/2023	\$	0.045500	\$	0.001113	\$	-	\$	0.043108	\$	0.001279
Common	670682103	NMZ	8/1/2023	\$	0.045500	\$	0.001113	\$	-	\$	0.043108	\$	0.001279
Common	670682103	NMZ	9/1/2023	\$	0.045500	\$	0.001113	\$	-	\$	0.043108	\$	0.001279
Common	670682103	NMZ	10/2/2023	\$	0.045500	\$	0.001113	\$	-	\$	0.043108	\$	0.001279
Common	670682103	NMZ	11/1/2023	\$	0.042500	\$	0.001070	\$	-	\$	0.041430	\$	-
Common	670682103	NMZ	12/1/2023	\$	0.042500	\$	0.001070	\$	-	\$	0.041430	\$	-
Common	670682103	NMZ	12/29/2023	\$	0.042500	\$	0.001070	\$	-	\$	0.041430	\$	-
Total				\$	0.537000	\$	0.013227	\$	-	\$	0.512262	\$	0.011511