

NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND
Form N-Q
September 29, 2017

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM N-Q

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT
INVESTMENT COMPANY**

Investment Company Act file number 811-21449

Nuveen Municipal High Income Opportunity Fund

(Exact name of registrant as specified in charter)

Nuveen Investments

333 West Wacker Drive, Chicago, Illinois 60606

(Address of principal executive offices) (Zip code)

Gifford R. Zimmerman

Vice President and Secretary

333 West Wacker Drive, Chicago, Illinois 60606

(Name and address of agent for service)

Registrant's telephone number, including area code: 312-917-7700

Date of fiscal year end: October 31

Date of reporting period: July 31, 2017

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (§§ 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget (OMB) control number. Please direct

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comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. § 3507.

Item 1. Schedule of Investments

NMZ

Nuveen Municipal High Income Opportunity Fund
Portfolio of Investments July 31, 2017 (Unaudited)

Principal

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	LONG-TERM INVESTMENTS – 132.3% (99.7% of Total Investments)			
	MUNICIPAL BONDS – 129.7% (97.8% of Total Investments)			
	Alabama – 0.6% (0.5% of Total Investments)			
\$ 1,000	Adamsville Solid Waste Disposal Authority, Alabama, Solid Waste Disposal Revenue Bonds, Green Mountain Management LLC Project, Series 2010, 8.750%, 8/01/30 (4)	8/20 at 100.00	N/R	\$798,850
1,000	Alabama Industrial Development Authority, Solid Waste Disposal Revenue Bonds, Pine City Fiber Co. Project, Series 1993, 6.450%, 12/01/23 (Alternative Minimum Tax)	10/17 at 100.00	B3	1,000,160
2,000	Alabama Private Colleges and University Facilities Authority, Limited Obligation Bonds, University of Mobile Project, Series 2015A, 6.000%, 9/01/45	9/25 at 100.00	N/R	2,044,800
1,000	Jefferson County, Alabama, Sewer Revenue Warrants, Senior Lien Series 2013C, 0.000%, 10/01/38 – AGM Insured	10/23 at 105.00	BB+	860,630
950	Selma Industrial Development Board, Alabama, Environmental Improvement Revenue Bonds, Zilkha Biomass Selma LLC Project, Series 2015, 7.500%, 5/01/25 (Alternative Minimum Tax) (4)	No Opt. Call	N/R	664,810
5,950	Total Alabama			5,369,250
	Arizona – 3.3% (2.5% of Total Investments)			
1,420	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Tender Option Bond Trust 2015-XF2046, 15.543%, 1/01/35 (Pre-refunded 1/01/18) (IF) (5)	1/18 at 100.00	AA- (6)	1,518,108
1,760	Arizona Health Facilities Authority, Hospital Revenue Bonds, Banner Health Systems, Tender Option Bond Trust 2016-XF0393, 16.820%, 1/01/32 (Pre-refunded 1/01/18) (IF) (5)	1/18 at 100.00	AA- (6)	1,892,334
192	Estrella Mountain Ranch Community Facilities District, Goodyear, Arizona, Special Assessment Lien Bonds, Series 2001A, 7.875%, 7/01/25	10/17 at 100.00	N/R	192,589
3,000	Phoenix Industrial Development Authority, Arizona, Lease Revenue Bonds, Rowan University Project, Tender Option Bond Trust 2016-XF2337, 15.111%, 6/01/42 (IF) (5)	6/22 at 100.00	A	4,024,080
440	Phoenix Industrial Development Authority, Arizona, Multifamily Housing Revenue Bonds, Deer Valley Veterans Assisted Living Project, Series 2016A, 5.125%, 7/01/36	7/24 at 101.00	N/R	426,765
1,000	Pima County Industrial Development Authority, Arizona, Charter School Revenue Bonds, Desert Heights Charter School, Series 2014, 7.250%, 5/01/44	5/24 at 100.00	N/R	1,100,410
100	Pima County Industrial Development Authority, Arizona, Education Facility Revenue Bonds, Edkey Charter Schools Project, Series 2014A, 6.875%, 7/01/34	7/20 at 102.00	BB	91,500

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	Pima County Industrial Development Authority, Arizona, Education			
	Facility Revenue Bonds, Edkey Charter Schools Project, Series			
	2016:			
245	5.250%, 7/01/36	7/26 at 100.00	BB	212,190
400	5.375%, 7/01/46	7/26 at 100.00	BB	335,024
475	5.500%, 7/01/51	7/26 at 100.00	BB	396,554
	Pima County Industrial Development Authority, Arizona, Education			
2,000	Facility Revenue Bonds, San Tan Montessori School Project, Series	2/24 at 100.00	N/R	2,334,260
	2014A, 9.000%, 2/01/44			
	Pima County Industrial Development Authority, Arizona, Education			
470	Revenue Bonds Legacy Traditional School Project, Series 2009,	7/19 at 100.00	N/R (6)	530,160
	8.500%, 7/01/39 (Pre-refunded 7/01/19)			

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	Arizona (continued)			
\$ 2,500	Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Carden Traditional Schools Project, Series 2012, 7.500%, 1/01/42	1/22 at 100.00	B	\$2,308,925
	Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Paradise Education Center Project, Series 2010:			
1,315	6.000%, 6/01/40 (Pre-refunded 6/01/19)	6/19 at 100.00	BB+ (6)	1,432,903
500	6.100%, 6/01/45 (Pre-refunded 6/01/19)	6/19 at 100.00	BB+ (6)	545,735
1,150	Pinal County Industrial Development Authority, Arizona, Correctional Facilities Contract Revenue Bonds, Florence West Prison LLC, Series 2002A, 5.250%, 10/01/22 – ACA Insured	10/17 at 100.00	BBB-	1,151,518
3,575	Quechan Indian Tribe of the Fort Yuma Reservation, Arizona, Government Project Bonds, Series 2008, 7.000%, 12/01/27	12/17 at 102.00	B	3,334,581
1,835	Quechan Indian Tribe of the Fort Yuma Reservation, Arizona, Tribal Economic Development Bonds, Series 2012A, 9.750%, 5/01/25	5/22 at 100.00	BB-	1,977,378
2,500	Salt Verde Financial Corporation, Arizona, Senior Gas Revenue Bonds, Citigroup Energy Inc. Prepay Contract Obligations, Series 2007, 5.500%, 12/01/37	No Opt. Call	Ba1	2,827,725
1,000	Yuma County Industrial Development Authority, Arizona, Exempt Revenue Bonds, Far West Water & Sewer Inc. Refunding, Series 2007A, 6.375%, 12/01/37 (Alternative Minimum Tax)	12/17 at 100.00	N/R	960,540
25,877	Total Arizona			27,593,279
	California – 20.3% (15.3% of Total Investments)			
1,470	Bay Area Toll Authority, California, Revenue Bonds, San Francisco Bay Area Toll Bridge, Tender Option Bond Trust 2015-XF2179, 15.478%, 4/01/34 (Pre-refunded 4/01/18) (IF) (5)	4/18 at 100.00	Aa3 (6)	1,635,257
2,205	California County Tobacco Securitization Agency, Tobacco Settlement Asset-Backed Bonds, Sonoma County Tobacco Securitization Corporation, Series 2005, 5.125%, 6/01/38	10/17 at 100.00	B-	2,193,953
1,000	California Enterprise Development Authority, Recovery Zone Facility Revenue Bonds, SunPower Corporation - Headquarters Project, Series 2010, 8.500%, 4/01/31	4/21 at 100.00	N/R	1,097,540
10,000	California Health Facilities Financing Authority, California, Revenue Bonds, Sutter Health, Refunding Series 2016B, 5.000%, 11/15/46 (UB) (5)	11/26 at 100.00	AA-	11,557,800
	California Health Facilities Financing Authority, Refunding Revenue Bonds, Stanford Hospital and Clinics, Tender Option Bond Trust 2016-XF2353:			
1,250	16.663%, 11/15/40 (IF) (5)	11/21 at 100.00	Aa3	1,998,950
1,875	17.653%, 11/15/40 (IF) (5)	11/21 at 100.00	Aa3	3,109,650
	California Health Facilities Financing Authority, Revenue Bonds, Children's Hospital Los Angeles, Series 2017A:			
5,165	5.000%, 8/15/42 (UB) (WI/DD, Settling 8/03/17) (5)	8/27 at 100.00	Baa2	5,844,042
22,115	5.000%, 8/15/47 (UB) (WI/DD, Settling 8/03/17) (5)	8/27 at 100.00	Baa2	24,878,712

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12,500	California Health Facilities Financing Authority, Revenue Bonds, Kaiser Permanente System, Series 2017A-2, 4.000%, 11/01/44 (UB) (5)	11/27 at 100.00	A+	13,110,875
1,000	California Health Facilities Financing Authority, Revenue Bonds, Stanford Hospitals and Clinics, Tender Option Bond Trust 2016-XG0049: 15.908%, 8/15/51 (IF) (5)	8/22 at 100.00	AA-	1,472,500
250	15.912%, 8/15/51 (IF) (5)	8/22 at 100.00	AA-	368,160
1,020	California Municipal Finance Authority, Mobile Home Park Revenue Bonds, Caritas Affordable Housing Inc. Projects, Series 2014B, 5.875%, 8/15/49	8/24 at 100.00	N/R	1,129,160

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Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	California (continued)			
\$ 980	California Municipal Finance Authority, Mobile Home Park Revenue Bonds, Caritas Projects Series 2010B, 7.250%, 8/15/45	8/20 at 100.00	N/R	\$1,074,090
500	California Municipal Finance Authority, Revenue Bonds, California Baptist University, Series 2016A, 5.000%, 11/01/36	11/26 at 100.00	N/R	524,890
1,000	California Municipal Finance Authority, Revenue Bonds, Harbor Regional Center Project, Series 2009, 8.500%, 11/01/39 (Pre-refunded 11/01/19)	11/19 at 100.00	A3 (6)	1,166,550
1,950	California School Finance Authority, Educational Facilities Revenue Bonds, Tri-Valley Learning Corporation, Series 2012A, 7.000%, 6/01/47 (4)	6/20 at 102.00	N/R	1,364,922
1,300	California State, General Obligation Bonds, Tender Option Bond Trust 2016-XG0039, 17.370%, 3/01/40 – AGM Insured (IF) (5)	3/20 at 100.00	Aa3	1,854,684
800	California Statewide Communities Development Authority, California, Revenue Bonds, Loma Linda University Medical Center, Series 2014A: 5.250%, 12/01/44	12/24 at 100.00	BB	871,992
1,000	5.500%, 12/01/54	12/24 at 100.00	BB	1,100,470
6,940	California Statewide Communities Development Authority, California, Revenue Bonds, Loma Linda University Medical Center, Series 2016A, 5.250%, 12/01/56	6/26 at 100.00	BB	7,574,455
520	California Statewide Communities Development Authority, Revenue Bonds, American Baptist Homes of the West, Series 2010, 6.250%, 10/01/39	10/19 at 100.00	BBB+	565,344
500	California Statewide Communities Development Authority, Revenue Bonds, Lancer Educational Student Housing Project, Refunding Series			