

NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND  
Form N-Q  
April 01, 2011

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)

Kevin J. McCarthy  
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: 10/31

Date of reporting period: 1/31/11

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 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.



Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

Item 1. Schedule of Investments

Portfolio of Investments (Unaudited)  
 Nuveen Municipal High Income Opportunity Fund (NMZ)  
 January 31, 2011

Principal Amount	Description (1)	Optional Call Provisions	(2) Ratings (3)	Value
(000)	National – 1.8% (1.3% of Total Investments)			
\$ 5,000	Charter Mac Equity Issuer Trust, Preferred Shares, Series 2004A-4, 6.000%, 12/31/45 (Mandatory put 4/30/19) (Alternative Minimum Tax)	4/19 at 100.00	Aaa	\$ 5,202,050
1,000	Alabama – 1.8% (1.3% of Total Investments) Adamsville Solid Waste Disposal Authority, Alabama, Solid Waste Disposal Revenue Bonds, Green	8/20 at 100.00	N/R	944,670
1,945	Mountain Management LLC Project, Series 2010, 8.750%, 8/01/30 Bessemer, Alabama, General Obligation Warrants, Series 2007, 6.500%, 2/01/37	2/17 at 102.00	N/R	1,320,947
2,000	Birmingham Special Care Facilities Financing Authority, Alabama, Revenue Bonds, Baptist Health System Inc., Series 2005A, 5.000%, 11/15/30	11/15 at 100.00	Baa2	1,746,900
1,000	Jefferson County, Alabama, Limited Obligation School Warrants, Education Tax Revenue Bonds, Series 2004A, 5.250%, 1/01/14	No Opt. Call	BBB	975,470
5,945	Total Alabama			4,987,987
	Alaska – 0.2% (0.1% of Total Investments)			
450	Alaska Municipal Bond Bank Authority, Revenue Bonds, Series 2009, 5.625%, 9/01/29	9/18 at 100.00	Aa2	461,840
394	Arizona – 7.1% (5.2% of Total Investments) Estrella Mountain Ranch Community Facilities District, Goodyear, Arizona, Special Assessment Lien Bonds, Series 2001A, 7.875%, 7/01/25	7/12 at 100.00	N/R	395,978
2,000	Maricopa County Industrial Development Authority, Arizona, Multifamily Housing Revenue Bonds, Privado Park Apartments Project, Series 2006A, 5.000%, 11/01/46 (Mandatory put 11/01/15)	5/11 at 100.00	N/R	1,908,680
6,720	Maricopa County Industrial Development Authority, Arizona, Senior Living Facility Revenue Bonds, Christian Care Mesa II Inc., Series 2004A, 6.625%, 1/01/34 (Alternative Minimum Tax)	1/14 at 100.00	CC	5,002,032
	Phoenix Industrial Development Authority, Arizona, Educational Revenue Bonds, Keystone Montessori School, Series 2004A:			
150	6.375%, 11/01/13	11/11 at 103.00	N/R	151,427
790	7.250%, 11/01/23	11/11 at 103.00	N/R	739,756
1,715	7.500%, 11/01/33		N/R	1,548,010

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

		11/11 at 103.00		
550	Pima County Industrial Development Authority, Arizona, Charter School Revenue Bonds, Noah Webster Basic Schools Inc., Series 2004, 6.125%, 12/15/34	12/14 at 100.00	BBB-	469,189
355	Pima County Industrial Development Authority, Arizona, Charter School Revenue Bonds, Pointe Educational Services Charter School, Series 2004, 6.250%, 7/01/14 (ETM)	No Opt. Call	N/R	416,724
500	Pima County Industrial Development Authority, Arizona, Education Revenue Bonds, Paradise Education Center Project, Series 2010, 6.100%, 6/01/45	6/19 at 100.00	BBB-	410,935
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	10/12 at 100.00	BBB-	1,037,956
1,000	Quechan Indian Tribe of the Fort Yuma Reservation, Arizona, Government Project Bonds, Series 2008, 7.000%, 12/01/27	12/17 at 102.00	N/R	923,730
	Salt Verde Financial Corporation, Arizona, Senior Gas Revenue Bonds, Citigroup Energy Inc Prepay Contract Obligations, Series 2007:			
1,000	5.500%, 12/01/29	No Opt. Call	A	934,330
5,000	5.000%, 12/01/37 (5)	No Opt. Call	A	4,254,450
1,000	Surprise Municipal Property Corporation, Arizona, Wastewater System Revenue Bonds, Series 2007, 4.700%, 4/01/22	4/14 at 100.00	N/R	965,780
1,000	Tucson Industrial Development Authority, Arizona, Charter School Revenue Bonds, Arizona Agribusiness and Equine Center Charter School, Series 2004A, 5.850%, 9/01/24	9/14 at 100.00	BB+	868,530
23,324	Total Arizona			20,027,507
	California – 10.0% (7.3% of Total Investments)			
1,000	Antelope Valley Healthcare District, California, Revenue Bonds, Series 2002A, 5.250%, 9/01/17	9/12 at 102.00	Baa3	944,990
1,810	California County Tobacco Securitization Agency, Tobacco Settlement Asset-Backed Bonds, Sonoma County Tobacco Securitization Corporation, Series 2005, 5.125%, 6/01/38	6/15 at 100.00	BBB	1,210,800
685	California Health Facilities Financing Authority, Hospital Revenue Bonds, Downey Community Hospital, Series 1993, 5.750%, 5/15/15 (6)	5/11 at 100.00	N/R	453,360
3,000	California Health Facilities Financing Authority, Revenue Bonds, Sutter Health, Tender Option Bond Trust 3103, 14.368%, 8/15/38 (IF)	8/18 at 100.00	AA-	1,484,010
500	California Municipal Financing Authority, Certificates of Participation, Community Hospitals of Central California, Series 2007, 5.250%, 2/01/27	2/17 at 100.00	Baa2	434,360
4,000			CCC+	895,720

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

	California Statewide Communities Development Authority, Revenue Bonds, EnerTech Regional Biosolids Project, Series 2007A, 5.500%, 12/01/33 (Alternative Minimum Tax) (7)	No Opt. Call		
2,925	California Statewide Community Development Authority, Revenue Bonds, Epidaurus Project, Series 2004A, 7.750%, 3/01/34	3/14 at 102.00	N/R	2,839,268
1,825	California Statewide Community Development Authority, Revenue Bonds, Sutter Health, Tender Option Bond Trust 3048, 17.147%, 11/15/38 (IF)	5/18 at 100.00	AA-	766,628
	California Statewide Community Development Authority, Revenue Bonds, Sutter Health, Tender Option Bond Trust 3102:			
745	17.307%, 11/15/38 (IF)	5/18 at 100.00	AA-	314,241
1,000	18.396%, 11/15/48 (IF)	5/18 at 100.00	AA-	413,520
1,005	California Statewide Community Development Authority, Subordinate Lien Multifamily Housing Revenue Bonds, Corona Park Apartments, Series 2004I-S, 7.750%, 1/01/34 (Alternative Minimum Tax)	1/14 at 100.00	N/R	904,802
1,000	Golden State Tobacco Securitization Corporation, California, Enhanced Tobacco Settlement Asset-Backed Revenue Bonds, Tender Option Bonds Trust 3107, 17.283%, 6/01/45 – AMBAC Insured (IF)	6/15 at 100.00	AA+	234,600
500	Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed Bonds, Series 2007A-1, 5.750%, 6/01/47	6/17 at 100.00	Baa3	328,215
1,200	Lake Elsinore, California, Special Tax Bonds, Community Facilities District 2003-2 Improvement Area A, Canyon Hills, Series 2004A, 5.950%, 9/01/34	9/13 at 102.00	N/R	1,023,660
335	Lancaster Redevelopment Agency, California, Combined Project Areas Housing Programs, Tax Allocation Bonds, Series 2009, 6.875%, 8/01/39	8/19 at 100.00	A	343,656
3,400	Lee Lake Water District, Riverside County, California, Special Tax Bonds, Community Facilities District 3, Series 2004, 5.950%, 9/01/34	9/13 at 102.00	N/R	2,722,924
1,125	Los Angeles Department of Airports, California, Revenue Bonds, Los Angeles International Airport, Tender Option Bond Trust 10-27B, 17.742%, 5/15/40 (IF)	5/20 at 100.00	AA	780,615
3,190	Los Angeles Regional Airports Improvement Corporation, California, Sublease Revenue Bonds, Los Angeles International Airport, American Airlines Inc. Terminal 4 Project, Series 2002C, 7.500%, 12/01/24 (Alternative Minimum Tax)	12/12 at 102.00	B-	3,181,387
800	Moreno Valley Unified School District, Riverside County, California, Special Tax Bonds, Community Facilities District, Series 2004, 5.550%, 9/01/29	9/14 at 100.00	N/R	697,160
1,000			A	1,026,280

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

	M-S-R Energy Authority, California, Gas Revenue Bonds, Series 2009B, 6.500%, 11/01/39	No Opt. Call		
2,175	Palomar Pomerado Health Care District, California, Certificates of Participation, Series 2010, 6.000%, 11/01/41	11/20 at 100.00	Baa3	1,899,014
250	Palomar Pomerado Health, California, General Obligation Bonds, Tender Option Bond Trust 4683, 17.382%, 8/01/37 – NCFG Insured (IF) (5)	8/17 at 100.00	AA	156,690
1,250	San Diego County, California, Certificates of Participation, San Diego-Imperial Counties Developmental Services Foundation Project, Series 2002, 5.500%, 9/01/27	9/12 at 100.00	Baa1	1,132,425
500	Tahoe Forest Hospital District, Placer and Nevada Counties, California, General Obligation Bonds, Tender Option Bond Trust 11863: 17.370%, 8/01/34 (IF)	8/18 at 100.00	Aa3	282,940
1,500	17.370%, 8/01/34 (IF)	8/18 at 100.00	Aa3	848,820
3,895	West Patterson Financing Authority, California, Special Tax Bonds, Community Facilities District 2001-1, Series 2004A, 6.125%, 9/01/39	9/13 at 103.00	N/R	3,011,614
40,615	Total California			28,331,699
	Colorado – 7.7% (5.6% of Total Investments)			
1,015	Bradburn Metropolitan District 3, Westminster, Adams County, Colorado, General Obligation Limited Tax Refunding Bonds, Series 2010, 7.500%, 12/01/39	12/13 at 102.00	N/R	950,466
6	Buffalo Ridge Metropolitan District, Colorado, Limited Obligation Assessment Bonds, Series 2003, 7.500%, 12/01/33 (Pre-refunded 12/01/13)	12/13 at 101.00	N/R (4)	6,861
650	Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Bromley East Charter School, Series 2000A, 7.250%, 9/15/30 (Pre-refunded 9/15/11)	9/11 at 100.00	Ba1 (4)	677,248
3,500	Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Cesar Chavez Academy, Series 2003, 8.000%, 5/01/34	5/14 at 101.00	N/R	2,829,400
410	Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Excel Academy Charter School, Series 2003, 7.300%, 12/01/23 (Pre-refunded 12/01/11)	12/11 at 100.00	AAA	432,751
1,000	Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Jefferson County School District R-1 – Compass Montessori Secondary School, Series 2006, 5.625%, 2/15/36	2/16 at 101.00	N/R	749,030
1,200	Colorado Health Facilities Authority, Colorado, Revenue Bonds, Catholic Health Initiatives, Series 2006C-1, Trust 1090, 14.848%, 10/01/41 – AGM Insured (IF)	4/18 at 100.00	AA+	873,000
	Colorado Health Facilities Authority, Colorado, Revenue Bonds, Catholic Health Initiatives,			

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

Series 2008, Trust 1088:

260	17.336%, 3/01/34 (IF) (5)	9/16 at 100.00	AA	138,767
1,000	18.274%, 9/01/41 (IF) (5)	9/16 at 100.00	AA	533,720
1,000	E-470 Public Highway Authority, Colorado, Revenue Bonds, Senior Series 2007D-1, 5.500%, 9/01/24 – NPFQ Insured	9/15 at 100.00	Baa1	981,490
3,145	Kit Carson County Health Service District, Colorado, Health Care Facility Revenue Bonds, Series 2007, 6.750%, 1/01/34	No Opt. Call	N/R	2,790,087
1,250	Mesa County, Colorado, Residential Care Facilities Mortgage Revenue Bonds, Hilltop Community Resources Inc. Obligated Group, Series 2001A, 5.250%, 12/01/21 – RAAI Insured	12/11 at 101.00	N/R	1,142,438
1,000	Mountain Shadows Metropolitan District, Colorado, General Obligation Limited Tax Bonds, Series 2007, 5.500%, 12/01/27	12/16 at 100.00	N/R	723,950
1,990	Park Creek Metropolitan District, Colorado, Limited Tax Obligation Revenue Bonds, Series 2003CR-2, 7.875%, 12/01/32 (Mandatory put 12/01/13)	12/13 at 100.00	N/R	2,011,930
1,500	Plaza Metropolitan District 1, Lakewood, Colorado, Tax Increment Revenue Bonds, Series 2003, 8.000%, 12/01/25	6/14 at 101.00	N/R	1,460,745
3,565	Public Authority for Colorado Energy, Natural Gas Purchase Revenue Bonds, Colorado Springs Utilities, Series 2008, 6.500%, 11/15/38	No Opt. Call	A	3,724,890
1,000	Regional Transportation District, Colorado, Denver Transit Partners Eagle P3 Project Private Activity Bonds, Series 2010, 6.000%, 1/15/41	7/20 at 100.00	Baa3	904,060
1,000	Tallyn's Reach Metropolitan District 3, Aurora, Colorado, Limited Tax General Obligation Bonds, Series 2004, 6.750%, 12/01/33	12/13 at 100.00	N/R	1,008,560
24,491	Total Colorado			21,939,393
	Connecticut – 0.4% (0.3% of Total Investments)			
1,000	Harbor Point Infrastructure Improvement District, Connecticut, Special Obligation Revenue Bonds, Harbor Point Project, Series 2010A, 7.875%, 4/01/39	4/20 at 100.00	N/R	1,010,730
	District of Columbia – 0.1% (0.1% of Total Investments)			
225	District of Columbia Tobacco Settlement Corporation, Tobacco Settlement Asset-Backed Bonds, Series 2001, 6.500%, 5/15/33	No Opt. Call	BBB	217,031
	Florida – 11.9% (8.7% of Total Investments)			
1,440	Aberdeen Community Development District, Florida, Special Assessment Bonds, Series 2005, 5.500%, 5/01/36	5/14 at 100.00	N/R	700,229
5,335	Beacon Lakes Community Development District, Florida, Special Assessment Bonds, Series 2003A, 6.900%, 5/01/35	5/13 at 101.00	N/R	4,945,438
700	Broward County, Florida, Airport Facility Revenue Bonds, Learjet Inc., Series 2000, 7.500%,	11/14 at 101.00	Ba2	718,522

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

	11/01/20 (Alternative Minimum Tax)			
1,000	Colonial Country Club Community Development District, Florida, Capital Improvement Revenue Bonds, Series 2003, 6.400%, 5/01/33 (WI/DD, Settling 2/01/11)	5/13 at 101.00	A+	996,350
8,205	Harmony Community Development District, Florida, Special Assessment Bonds, Series 2001, 7.250%, 5/01/32	5/14 at 103.25	N/R	7,894,850
3,000	Jacksonville, Florida, Economic Development Commission Health Care Facilities Revenue Bonds, The Florida Proton Therapy Institute Project, Series 2007, 6.250%, 9/01/27	9/17 at 100.00	N/R	2,790,750
2,000	Martin County Industrial Development Authority, Florida, Industrial Development Revenue Bonds, Indiantown Cogeneration LP, Series 1994A, 7.875%, 12/15/25 (Alternative Minimum Tax)	6/11 at 100.00	BB+	2,013,000
1,370	Miami-Dade County Health Facility Authority, Florida, Hospital Revenue Bonds, Miami Children's Hospital, Series 2010A, 6.000%, 8/01/30	8/20 at 100.00	A	1,337,737
1,000	Miami-Dade County, Florida, Aviation Revenue Bonds, Series 2008, Trust 1145, 17.936%, 4/01/32 – AGC Insured (Alternative Minimum Tax) (IF) (5)	10/18 at 100.00	AA+	622,000
1,250	Miami-Dade County, Florida, Water and Sewer System Revenue Bonds, Tender Option Bond Trust 11834, 17.385%, 10/01/33 – AGM Insured (IF)	10/20 at 100.00	AA+	952,750
3,585	Palm Beach County Housing Finance Authority, Florida, Multifamily Housing Revenue Bonds, Lake Delray Apartments, Series 1999A, 6.400%, 1/01/31 (Alternative Minimum Tax)	7/12 at 100.00	N/R	3,017,387
1,920	Pine Island Community Development District, Florida, Special Assessment Bonds, Bella Collina, Series 2004, 5.750%, 5/01/35	5/12 at 101.00	N/R	1,250,611
1,000	Sarasota County Health Facility Authority, Florida, Revenue Bonds, Sarasota-Manatee Jewish Housing Council, Inc., Series 2007, 5.750%, 7/01/45	7/17 at 100.00	N/R	746,680
500	South Village Community Development District, Clay County, Florida, Capital Improvement Revenue Bonds, Series 2005A, 5.700%, 5/01/35	5/13 at 100.00	N/R	341,910
950	Tolomato Community Development District, Florida, Special Assessment Bonds, Series 2006, 5.400%, 5/01/37	5/14 at 101.00	N/R	690,204
1,715	Tolomato Community Development District, Florida, Special Assessment Bonds, Series 2007, 6.650%, 5/01/40	5/18 at 100.00	N/R	1,142,430
4,485	Westchester Community Development District 1, Florida, Special Assessment Bonds, Series 2003, 6.125%, 5/01/35	5/13 at 101.00	N/R	3,614,282
39,455	Total Florida			33,775,130
	Georgia – 1.7% (1.3% of Total Investments)			
500	Effingham County Development Authority, Georgia, Solid Waste Disposal Revenue Bonds, Ft. James Project, Series 1998, 5.625%, 7/01/18 (Alternative Minimum Tax)	7/11 at 100.00	BBB-	481,935



Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

1,000	Fulton County Residential Care Facilities Authority, Georgia, Revenue Bonds, Elderly Care, Lenbrook Square Project, Series 2006A, 5.125%, 7/01/37	7/17 at 100.00	N/R	608,410
1,840	Fulton County Residential Care Facilities Authority, Georgia, Revenue Bonds, St. Anne's Terrace, Series 2003, 7.625%, 12/01/33	12/13 at 102.00	N/R	1,791,295
2,000	Lavonia Hospital Authority, Georgia, Revenue Anticipation Certificates, Ty Cobb Regional Medical Center, Series 2010, 6.000%, 12/01/40 – AGM Insured (5)	12/20 at 100.00	AA+	1,983,340
5,340	Total Georgia			4,864,980
	Guam – 0.5% (0.4% of Total Investments)			
1,445	Guam Government, General Obligation Bonds, 2009 Series A, 7.000%, 11/15/39	No Opt. Call	B+	1,547,913
	Hawaii – 0.8% (0.6% of Total Investments)			
960	Hawaii State Department of Budget and Finance, Private School Revenue Bonds, Montessori of Maui, Series 2007, 5.500%, 1/01/37	2/17 at 100.00	N/R	750,941
1,655	Hawaii State Department of Budget and Finance, Special Purpose Revenue Bonds, Hawaiian Electric Company, Inc. and Subsidiary Projects, Series 2009, 6.500%, 7/01/39	7/19 at 100.00	Baa1	1,655,099
2,615	Total Hawaii			2,406,040
	Illinois – 9.2% (6.7% of Total Investments)			
1,000	CenterPoint Intermodal Center Program Trust, Illinois, Series 2004 Class A Certificates, 8.500%, 6/15/23	12/11 at 100.00	N/R	999,060
900	Chicago, Illinois, Certificates of Participation Tax Increment Revenue Notes, Chicago/Kingsbury Redevelopment Project, Series 2004A, 6.570%, 2/15/13	6/11 at 100.00	N/R	897,264
960	Chicago, Illinois, Certificates of Participation, Tax Increment Allocation Revenue Bonds, Diversey-Narragansett Project, Series 2006, 7.460%, 2/15/26	7/11 at 100.00	N/R	912,288
1,875	Illinois Finance Authority, Revenue Bonds, Admiral at Lake Project, Series 2010A, 8.000%, 5/15/46	5/20 at 100.00	N/R	1,768,181
1,000	Illinois Finance Authority, Revenue Bonds, Elmhurst Memorial Healthcare, Series 2008A, 5.625%, 1/01/37	1/18 at 100.00	Baa1	845,950
1,000	Illinois Finance Authority, Revenue Bonds, Midwest Regional Medical Center Galena-Stauss Hospital, Series 2006, 6.750%, 10/01/46 (6)	10/16 at 100.00	N/R	661,500
1,000	Illinois Finance Authority, Revenue Bonds, Provena Health, Series 2009A, 7.750%, 8/15/34	8/19 at 100.00	BBB+	1,066,730
1,000	Illinois Finance Authority, Revenue Bonds, Sherman Health Systems, Series 2007A, 5.500%, 8/01/37	8/17 at 100.00	BBB	838,120
3,850	Illinois Finance Authority, Revenue Bonds, Silver Cross Hospital and Medical Centers, Series 2009, 7.000%, 8/15/44	8/19 at 100.00	BBB	3,979,591
1,350			Aa2	1,240,434

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

	Illinois Health Facilities Authority, FHA-Insured Mortgage Revenue Refunding Bonds, Sinai Health System, Series 2003, 5.150%, 2/15/37	8/13 at 100.00		
7,800	Illinois Health Facilities Authority, Revenue Bonds, Lake Forest Hospital, Series 2002A, 5.750%, 7/01/29 (UB)	7/12 at 100.00	AA+	7,860,684
1,150	Lombard Public Facilities Corporation, Illinois, First Tier Conference Center and Hotel Revenue Bonds, Series 2005A-1, 7.125%, 1/01/36	1/16 at 100.00	N/R	767,993
1,431	Lombard Public Facilities Corporation, Illinois, Third Tier Conference Center and Hotel Revenue Bonds, Series 2005C-3, 12.000%, 1/01/36 (6), (7)	7/18 at 100.00	N/R	343,516
1,988	Plano Special Service Area 1, Illinois, Special Tax Bonds, Lakewood Springs Project, Series 2004A, 6.200%, 3/01/34	3/14 at 102.00	N/R	1,826,157
998	Volo Village, Illinois, Special Service Area 3 Special Tax Bonds, Symphony Meadows Project 1, Series 2006, 6.000%, 3/01/36 (Mandatory put 2/29/16)	3/16 at 102.00	N/R	751,464
995	Yorkville United City Business District, Illinois, Storm Water and Water Improvement Project Revenue Bonds, Series 2007, 6.000%, 1/01/26	1/17 at 102.00	N/R	568,006
960	Yorkville, Illinois, Special Service Area 2005-108 Assessment Bonds, Autumn Creek Project, Series 2006, 6.000%, 3/01/36	3/16 at 102.00	N/R	699,446
29,257	Total Illinois			26,026,384
	Indiana – 10.9% (8.0% of Total Investments)			
1,000	Anderson, Indiana, Multifamily Housing Revenue Bonds, Cross Lakes and Giant Oaks Apartments, Series 2011A, 7.250%, 12/01/45 (WI/DD, Settling 2/03/11)	12/20 at 100.00	A–	999,230
6,360	Carmel Redevelopment District, Indiana, Tax Increment Revenue Bonds, Series 2004A, 6.650%, 1/15/24	7/12 at 103.00	N/R	5,332,224
1,000	Indiana Bond Bank, Special Program Bonds, Hendricks Regional Health Project, Tender Option Bond Trust 10-77W, 18.363%, 4/01/30 – AMBAC Insured (IF)	No Opt. Call	AA	760,700
22,770	Indiana Finance Authority, Water Facilities Refunding Revenue Bonds, Indiana-American Water Company Inc. Project, Series 2006, 4.875%, 10/01/36 – AMBAC Insured (Alternative Minimum Tax)	10/16 at 100.00	Baa1	17,987,843
1,250	Indiana Health and Educational Facilities Financing Authority, Revenue Bonds, Ascension Health, Series 2009, Trust 3301, 14.318%, 11/15/30 (IF) (5)	11/16 at 100.00	Aa1	784,000
2,500	Indiana Health Facility Financing Authority, Hospital Revenue Bonds, Community Foundation of Northwest Indiana, Series 2004A, 6.000%, 3/01/34	3/14 at 101.00	BBB+	2,424,000
200	Jasper County, Indiana, Economic Development Revenue Refunding Bonds, Georgia Pacific Corporation Project, Series 2000, 6.700%, 4/01/29 (Alternative Minimum Tax)	4/11 at 100.00	Ba3	199,968
1,000	St. Joseph County, Indiana, Economic Development Revenue Bonds, Chicago Trail Village	7/15 at 103.00	N/R	901,420

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

Apartments, Series 2005A, 7.500%, 7/01/35				
1,485	Whitley County, Indiana, Solid Waste and Sewerage Disposal Revenue Bonds, Steel Dynamics Inc., Series 1998, 7.250%, 11/01/18 (Pre-refunded 3/09/11) (Alternative Minimum Tax)	3/11 at 102.00	N/R	1,521,338
37,565	Total Indiana			30,910,723
Iowa – 0.3% (0.2% of Total Investments)				
1,000	Iowa Finance Authority, Health Facility Revenue Bonds, Care Initiatives Project, Series 2006A, 5.500%, 7/01/25	7/16 at 100.00	BB+	814,860
Louisiana – 6.3% (4.6% of Total Investments)				
5,000	Louisiana Local Government Environmental Facilities & Community Development Authority, Revenue Bonds, Westlake Chemical Corporation Project, Series 2007, 6.750%, 11/01/32	11/17 at 100.00	BBB–	5,051,000
1,000	Louisiana Local Government Environmental Facilities and Community Development Authority, Carter Plantation Hotel Project Revenue Bonds, Series 2006A, 6.000%, 9/01/36 (6), (7)	9/16 at 100.00	N/R	190,000
1,000	Louisiana Local Government Environmental Facilities and Community Development Authority, Revenue Bonds, CDF Healthcare of Louisiana LLC, Series 2006A, 7.000%, 6/01/36	6/16 at 101.00	N/R	822,680
3,000	Louisiana Local Government Environmental Facilities and Community Development Authority, Revenue Bonds, Southgate Suites Hotel LLC Project, Series 2007A, 6.750%, 12/15/37	12/17 at 100.00	N/R	1,732,080
2,500	Louisiana Public Facilities Authority, Revenue Bonds, Ochsner Clinic Foundation Project, Series 2007A, 5.250%, 5/15/38	5/17 at 100.00	Baa1	2,008,725
1,590	Louisiana Public Facilities Authority, Revenue Bonds, Ochsner Clinic Foundation, Series 2007B, 5.500%, 5/15/47	5/17 at 100.00	Baa1	1,262,206
5,125	St. James Parish, Louisiana, Solid Waste Disposal Revenue Bonds, Freeport McMoran Project, Series 1992, 7.700%, 10/01/22 (Alternative Minimum Tax)	4/11 at 100.00	N/R	5,124,385
2,000	Tobacco Settlement Financing Corporation, Louisiana, Tobacco Settlement Asset-Backed Bonds, Series 2001B, 5.875%, 5/15/39	5/11 at 101.00	A–	1,824,560
21,215	Total Louisiana			18,015,636
Maine – 1.0% (0.7% of Total Investments)				
3,155	Portland Housing Development Corporation, Maine, Section 8 Assisted Senior Living Revenue Bonds, Avesta Housing Development Corporation, Series 2004A, 6.000%, 2/01/34	2/14 at 102.00	Baa2	2,880,578
Maryland – 1.8% (1.3% of Total Investments)				
1,000	Baltimore, Maryland, Senior Lien Convention Center Hotel Revenue Bonds, Series 2006A, 5.250%, 9/01/39 – SYNCORA GTY Insured	9/16 at 100.00	Baa3	804,650
2,500	Maryland Economic Development Corporation, Revenue Bonds, Chesapeake Bay Hyatt Conference	12/16 at 100.00	N/R	1,622,925

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

	Center, Series 2006B, 5.250%, 12/01/31			
2,000	Maryland Energy Financing Administration, Revenue Bonds, AES Warrior Run Project, Series 1995, 7.400%, 9/01/19 (Alternative Minimum Tax)	3/11 at 100.00	N/R	1,999,640
350	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, MedStar Health, Series 2004, 5.500%, 8/15/33	8/14 at 100.00	A2	344,659
435	Prince George's County, Maryland, Revenue Bonds, Dimensions Health Corporation, Series 1994, 5.300%, 7/01/24 (6)	7/11 at 100.00	B3	293,973
6,285	Total Maryland Massachusetts – 0.4% (0.3% of Total Investments)			5,065,847
400	Massachusetts Development Finance Agency, Pioneer Valley Resource Recovery Revenue Bonds, Eco/Springfield LLC, Series 2006, 5.875%, 7/01/14 (Alternative Minimum Tax)	No Opt. Call	N/R	378,628
1,350	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Northern Berkshire Community Services Inc., Series 2004B, 6.375%, 7/01/34 (6), (7)	7/14 at 100.00	CCC	695,790
1,750	Total Massachusetts Michigan – 3.5% (2.6% of Total Investments)			1,074,418
1,180	Countryside Charter School, Berrien County, Michigan, Charter School Revenue Bonds, Series 1999, 7.000%, 4/01/29	4/11 at 100.00	N/R	1,005,915
835	Countryside Charter School, Berrien County, Michigan, Charter School Revenue Bonds, Series 2000, 8.000%, 4/01/29	4/11 at 100.00	N/R	793,601
1,390	Detroit Local Development Finance Authority, Michigan, Tax Increment Bonds, Series 1998A: 5.500%, 5/01/21	5/11 at 100.00	B–	744,734
15	5.500%, 5/01/21 – ACA Insured	5/21 at 100.00	B–	8,316
1,000	Detroit, Michigan, Distributable State Aid General Obligation Bonds, Tender Option Bond Trust 3789, 18.559%, 5/01/18 (IF) (5)	No Opt. Call	AA	687,840
1,000	Garden City Hospital Finance Authority, Michigan, Revenue Bonds, Garden City Hospital Obligated Group, Series 2007A: 4.875%, 8/15/27	8/17 at 100.00	N/R	699,710
1,000	5.000%, 8/15/38	8/17 at 100.00	N/R	623,980
1,000	Michigan Public Educational Facilities Authority, Limited Obligation Revenue Bonds, Chandler Park Academy Project, Series 2008, 6.500%, 11/01/35	11/15 at 100.00	BBB	926,010
1,000	Michigan Public Educational Facilities Authority, Limited Obligation Revenue Bonds, Richfield Public School Academy, Series 2007, 5.000%, 9/01/36	9/17 at 100.00	BBB–	710,300
500	Michigan State Hospital Finance Authority, Revenue Bonds, Chelsea Community Hospital,	5/15 at 100.00	AAA	570,515

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

Series 2005, 5.000%, 5/15/30 (Pre-refunded 5/15/15)				
1,500	Michigan State Hospital Finance Authority, Revenue Bonds, Hills and Dales General Hospital, Series 2005A, 6.750%, 11/15/38	11/15 at 102.00	N/R	1,255,170
1,000	Royal Oak Hospital Finance Authority, Michigan, Hospital Revenue Bonds, William Beaumont Hospital, Refunding Series 2009V, 8.250%, 9/01/39	9/18 at 100.00	A1	1,116,690
1,000	Summit Academy North Charter School, Michigan, Charter School Revenue Bonds, Series 2005, 5.500%, 11/01/30	11/15 at 100.00	BB+	784,330
12,420	Total Michigan			9,927,111
Minnesota – 1.5% (1.1% of Total Investments)				
1,325	Ramsey, Anoka County, Minnesota, Charter School Lease Revenue Bonds, PACT Charter School, Series 2004A, 6.750%, 12/01/33	6/14 at 102.00	N/R	1,189,810
1,275	St. Paul Housing and Redevelopment Authority, Minnesota, Charter School Revenue Bonds, Higher Ground Academy Charter School, Series 2004A, 6.625%, 12/01/23	6/14 at 102.00	N/R	1,216,337
1,100	St. Paul Housing and Redevelopment Authority, Minnesota, Charter School Revenue Bonds, HOPE Community Academy Charter School, Series 2004A, 6.750%, 12/01/33	6/14 at 102.00	N/R	926,002
1,000	St. Paul Port Authority, Minnesota, Lease Revenue Bonds, HealthEast Midway Campus, Series 2005B, 6.000%, 5/01/30	5/15 at 100.00	N/R	898,900
4,700	Total Minnesota			4,231,049
Mississippi – 0.6% (0.4% of Total Investments)				
892	Mississippi Home Corporation, Multifamily Housing Revenue Bonds, Tupelo Personal Care Apartments, Series 2004-2, 6.125%, 9/01/34 (Alternative Minimum Tax)	10/19 at 101.00	N/R	621,818
1,000	Warren County, Mississippi, Gulf Opportunity Zone Revenue Bonds, International Paper Company Project, Series 2008A, 6.500%, 9/01/32	9/18 at 100.00	BBB	1,019,800
1,892	Total Mississippi			1,641,618
Missouri – 2.5% (1.8% of Total Investments)				
2,000	Branson Regional Airport Transportation Development District, Missouri, Project Revenue Bonds, Series 2007B, 6.000%, 7/01/37 (Alternative Minimum Tax)	7/17 at 100.00	N/R	722,200
1,000	Hanley Road Corridor Transportation Development District, Brentwood and Maplewood, Missouri, Transportation Sales Revenue Bonds, Refunding Series 2009A, 5.875%, 10/01/36	10/19 at 100.00	A–	955,330
5,935	Missouri Environmental Improvement and Energy Resources Authority, Water Facility Revenue Bonds, Missouri-American Water Company, Series 2006, 4.600%, 12/01/36 – AMBAC	12/16 at 100.00	AA+	4,892,873
795	Insured (Alternative Minimum Tax) (UB) Saint Louis, Missouri, Tax Increment Financing Revenue Bonds, Grace Lofts Redevelopment	6/11 at 100.00	N/R	621,626

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

	Projects, Series 2007A, 6.000%, 3/27/26			
9,730	Total Missouri			7,192,029
	Montana – 3.2% (2.4% of Total Investments)			
2,700	Montana Board of Investments, Exempt Facility Revenue Bonds, Stillwater Mining Company, Series 2000, 8.000%, 7/01/20 (Alternative Minimum Tax)	7/11 at 100.50	B+	2,701,944
2,600	Montana Board of Investments, Resource Recovery Revenue Bonds, Yellowstone Energy LP, Series 1993, 7.000%, 12/31/19 (Alternative Minimum Tax)	No Opt. Call	N/R	2,483,910
4,005	Montana Facility Finance Authority, Healthcare Facility Revenue Bonds, Community Medical Center, Inc., Series 2010D, 5.500%, 6/01/35 (5)	6/20 at 100.00	Aa3	3,962,307
9,305	Total Montana			9,148,161
	Nebraska – 2.6% (1.9% of Total Investments)			
6,485	Omaha Public Power District, Nebraska, Separate Electric System Revenue Bonds, Nebraska City 2, Series 2006A, 19.388%, 8/01/40 – AMBAC Insured (IF)	2/17 at 100.00	AA+	7,447,958
1,410	Nevada – 0.5% (0.3% of Total Investments) Clark County, Nevada, Local Improvement Bonds, Mountain’s Edge Special Improvement District 142, Series 2003, 6.375%, 8/01/23	8/16 at 100.00	N/R	1,275,345
4,500	Director of Nevada State Department of Business and Industry, Revenue Bonds, Las Vegas	1/12 at 100.00	N/R	9,000
5,910	Monorail Project, Second Tier, Series 2000, 7.375%, 1/01/40 (7) Total Nevada			1,284,345
	New Jersey – 2.2% (1.6% of Total Investments)			
1,500	New Jersey Economic Development Authority, Cigarette Tax Revenue Bonds, Series 2004, 5.750%, 6/15/29	6/14 at 100.00	BBB	1,350,555
1,660	New Jersey Economic Development Authority, Special Facilities Revenue Bonds, Continental Airlines Inc., Series 1999, 6.250%, 9/15/29 (Alternative Minimum Tax)	3/11 at 100.50	B	1,510,534
500	New Jersey Economic Development Authority, Special Facilities Revenue Bonds, Continental Airlines Inc., Series 2000, 7.000%, 11/15/30 (Alternative Minimum Tax)	5/11 at 101.00	B	492,050
1,000	New Jersey Economic Development Authority, Student Housing Revenue Bonds, Provident Group-Montclair Properties LLC, Montclair State University Student Housing Project, Series 2010A, 5.875%, 6/01/42	6/20 at 100.00	Baa3	905,620
600	New Jersey Educational Facilities Authority, Revenue Refunding Bonds, University of Medicine and Dentistry of New Jersey, Series 2009B, 7.500%, 12/01/32	6/19 at 100.00	Baa1	650,826
1,000	New Jersey Higher Education Assistance Authority, Student Loan Revenue Bonds, Series 2008A, 6.125%, 6/01/30 – AGC Insured (Alternative Minimum Tax)	6/18 at 100.00	AA+	1,008,110
500	Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds, Series 2007-1A, 5.000%, 6/01/41	6/17 at 100.00	Baa3	302,655

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

6,760	Total New Jersey				6,220,350
	New York – 3.0% (2.2% of Total Investments)				
	Brooklyn Areba Local Development Corporation, New York,	No Opt.			
1,000	Payment in Lieu of Taxes Revenue	Call	BBB–		979,960
	Bonds, Barclays Center Project, Series 2009, 6.375%, 7/15/43				
	New York City Industrial Development Agency, New York, Civic				
	Facility Revenue Bonds, Bronx				
	Parking Development Company, LLC Project, Series 2007:				
		10/17 at			
1,000	5.750%, 10/01/37	100.00	N/R		618,300
		10/17 at			
3,000	5.875%, 10/01/46	102.00	N/R		1,829,610
	New York City Industrial Development Agency, New York, Special	2/11 at			
1,700	Facilities Revenue Bonds,	100.00	CCC+		1,507,645
	American Airlines Inc., Series 1994, 6.900%, 8/01/24 (Alternative				
	Minimum Tax)				
	New York Liberty Development Corporation, Second Priority	1/20 at			
1,375	Liberty Revenue Refunding Bonds,	100.00	BBB		1,386,591
	Bank of America Tower at One Bryant Park Project, Series 2010,				
	6.375%, 7/15/49				
	Port Authority of New York and New Jersey, Special Project Bonds,	12/20 at			
265	JFK International Air	100.00	BBB–		251,843
	Terminal LLC Project, Eighth Series 2010, 6.000%, 12/01/42				
	Seneca Nation of Indians Capital Improvements Authority, New	No Opt.			
1,000	York, Special Obligation Bonds,	Call	BB		908,730
	Series 2007A, 5.250%, 12/01/16				
	Westchester County Health Care Corporation, New York, Senior	11/20 at			
1,000	Lien Revenue Bonds,	100.00	A3		966,120
	Series 2010-C2, 6.125%, 11/01/37				
10,340	Total New York				8,448,799
	North Carolina – 2.4% (1.8% of Total Investments)				
	Charlotte-Mecklenberg Hospital Authority, North Carolina,	1/18 at			
1,260	Carolinas HealthCare System Revenue	100.00	AA–		805,228
	Bonds, Series 2008, Trust 1149, 13.223%, 7/15/32 (IF)				
	North Carolina Capital Facilities Finance Agency, Solid Waste	7/12 at			
5,500	Facilities Revenue Bonds,	106.00	N/R		4,674,670
	Liberty Tire Services of North Carolina LLC, Series 2004A, 6.750%,				
	7/01/29				
	North Carolina Capital Facilities Financing Agency, Revenue Bonds,	10/16 at			
960	Duke University,	100.00	AA+		1,365,283
	Series 2008, Tender Option Bonds Trust 3248, 26.629%, 10/01/21				
	(IF)				
7,720	Total North Carolina				6,845,181
	Ohio – 4.4% (3.3% of Total Investments)				
	Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco				
	Settlement Asset-Backed Revenue				
	Bonds, Senior Lien, Series 2007A-2:				
		6/17 at			
315	5.125%, 6/01/24	100.00	Baa3		237,507
		6/17 at			
375	5.750%, 6/01/34	100.00	Baa3		248,708

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

10,855	5.875%, 6/01/47	6/17 at 100.00	Baa3	7,150,188
	Cleveland-Cuyahoga County Port Authority, Ohio, Development	5/14 at		
2,990	Revenue Bonds, Bond Fund Program –	102.00	BBB–	2,263,968
	Garfield Heights Project, Series 2004D, 5.250%, 5/15/23			
1,270	Medina County Port Authority, Ohio, Development Revenue Bond,	12/20 at 100.00	A+	1,234,758
	Fiber Network Project, Series			
	2010B, 6.000%, 12/01/30			
1,000	Ohio, Environmental Facilities Revenue Bonds, Ford Motor	4/15 at 100.00	Ba3	906,290
	Company, Series 2005, 5.750%, 4/01/35			
	(Alternative Minimum Tax)			
4,000	Western Reserve Port Authority, Ohio, Solid Waste Facility Revenue	7/17 at 102.00	N/R	730,000
	Bonds, Central Waste Inc.,			
	Series 2007A, 6.350%, 7/01/27 (Alternative Minimum Tax) (6), (7)			
20,805	Total Ohio			12,771,419
	Oklahoma – 1.2% (0.8% of Total Investments)			
940	Okeene Municipal Hospital and Schallmo Authority, Oklahoma,	1/16 at 101.00	N/R	767,378
	Revenue Bonds, Series 2006,			
	7.000%, 1/01/35			
2,500	Tulsa Municipal Airport Trust, Oklahoma, Revenue Refunding	No Opt. Call	Caa2	2,533,325
	Bonds, American Airlines Inc.,			
	Series 2004A, 7.750%, 6/01/35 (Mandatory put 12/01/14)			
3,440	Total Oklahoma			3,300,703
	Pennsylvania – 2.8% (2.0% of Total Investments)			
800	Allegheny Country Industrial Development Authority, Allegheny	11/19 at 100.00	BB	808,256
	County, Pennsylvania,			
	Environmental Improvement Revenue Bonds, United States Steel			
	Corporation Project,			
	Refunding Series 2009, 6.875%, 5/01/30			
375	Allentown Area Hospital Authority, Pennsylvania, Revenue Bonds,	No Opt. Call	Ca	351,090
	Sacred Heart Hospital,			
	Series 2005, 6.000%, 11/15/16			
965	Berks County Industrial Development Authority, Pennsylvania, First	11/17 at 101.00	N/R	764,405
	Mortgage Revenue Bonds, One			
	Douglassville Properties Project, Series 2007A, 6.125%, 11/01/34			
	(Alternative Minimum Tax)			
2,000	Chester County Health and Education Facilities Authority,	10/15 at 102.00	N/R	1,688,940
	Pennsylvania, Revenue Bonds,			
	Immaculata University, Series 2005, 5.750%, 10/15/37			
400	Chester County Industrial Development Authority, Pennsylvania,	12/17 at 100.00	BB+	346,812
	Avon Grove Charter School			
	Revenue Bonds, Series 2007A, 6.375%, 12/15/37			
4,000	Pennsylvania Economic Development Financing Authority, Revenue	6/12 at 102.00	BBB+	3,954,600
	Bonds, Amtrak 30th Street			
	Station Parking Garage, Series 2002, 5.800%, 6/01/23 – ACA Insured			
	(Alternative Minimum Tax)			
8,540	Total Pennsylvania			7,914,103
	Rhode Island – 1.8% (1.3% of Total Investments)			
1,000	Rhode Island Student Loan Authority, Student Loan Program	12/17 at 100.00	A	1,009,120
	Revenue Bonds, Series 2008A, 6.750%,			
	12/01/28 (Alternative Minimum Tax)			



Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

4,835	Rhode Island Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed Bonds, Series 2002A, 6.250%, 6/01/42	6/12 at 100.00	BBB	4,191,413
5,835	Total Rhode Island South Carolina – 1.3% (0.9% of Total Investments)			5,200,533
4,000	Lancaster County, South Carolina, Assessment Bonds, Edgewater II Improvement District, Series 2007A, 7.750%, 11/01/39 (6), (7)	11/17 at 100.00	N/R	2,368,960
1,185	Richland County, South Carolina, Environmental Improvement Revenue Refunding Bonds, International Paper Company, Series 2003A, 6.100%, 4/01/23 (Alternative Minimum Tax)	4/13 at 101.00	BBB	1,189,941
5,185	Total South Carolina Tennessee – 3.4% (2.5% of Total Investments)			3,558,901
1,000	Sullivan County Health Educational and Housing Facilities Board, Tennessee, Revenue Bonds, Wellmont Health System, Refunding Series 2006A, 5.440%, 9/01/32	3/13 at 100.00	N/R	859,000
2,000	Sullivan County Health Educational and Housing Facilities Board, Tennessee, Revenue Bonds, Wellmont Health System, Series 2006C, 5.250%, 9/01/26	9/16 at 100.00	BBB+	1,812,340
	Sumner County Health, Educational, and Housing Facilities Board, Tennessee, Revenue Refunding Bonds, Sumner Regional Health System Inc., Series 2007:			
250	5.500%, 11/01/37 (6), (7), (8)	11/17 at 100.00	N/R	100,000
63	5.500%, 11/01/46 (6), (7), (8)	11/17 at 100.00	N/R	25,000
1,000	The Tennessee Energy Acquisition Corporation, Gas Revenue Bonds, Series 2006A, 5.250%, 9/01/23	No Opt. Call	Ba3	947,880
5,601	The Tennessee Energy Acquisition Corporation, Gas Revenue Bonds, Series 2006B, 5.625%, 9/01/26	No Opt. Call	N/R	5,228,814
965	Wilson County Health and Educational Facilities Board, Tennessee, Senior Living Revenue Bonds, Rutland Place, Series 2007A, 6.300%, 7/01/37	7/17 at 100.00	N/R	668,533
10,879	Total Tennessee Texas – 13.1% (9.5% of Total Investments)			9,641,567
1,000	Alliance Airport Authority, Texas, Special Facilities Revenue Bonds, American Airlines Inc., Series 2007, 5.250%, 12/01/29 (Alternative Minimum Tax)	12/12 at 100.00	CCC+	701,590
2,000	Austin Convention Enterprises Inc., Texas, Convention Center Hotel Revenue Bonds, Second Tier Series 2006B, 5.750%, 1/01/34	1/17 at 100.00	BB	1,701,840
1,800	Austin Convention Enterprises Inc., Texas, Convention Center Hotel Revenue Bonds, Third Tier Series 2001C, 9.750%, 1/01/26	7/11 at 100.00	N/R	1,788,840
10	Brazos River Authority, Texas, Pollution Control Revenue Refunding Bonds, TXU Electric Company, Series 2001C, 5.750%, 5/01/36 (Mandatory put 11/01/11) (Alternative Minimum Tax)	No Opt. Call	CCC	9,416
700	Brazos River Authority, Texas, Pollution Control Revenue Refunding Bonds, TXU Electric	7/18 at 100.00	CCC	261,499

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

Company, Series 2001D, 8.250%, 5/01/33 (Alternative Minimum Tax)				
1,000	Clifton Higher Education Finance Corporation, Texas, Education Revenue Bonds, Uplift Education Charter School, Series 2010A, 6.000%, 12/01/30	12/20 at 100.00	BBB-	866,630
2,000	Clifton Higher Education Finance Corporation, Texas, Education Revenue Bonds, Tejano Center for Community Concerns, Inc.-Raul Yzaguirre School for Success, Refunding Series 2009A, 9.000%, 2/15/38	No Opt. Call	BBB-	2,216,900
1,750	Dallas-Ft. Worth International Airport Facility Improvement Corporation, Texas, Revenue Bonds, American Airlines Inc., Series 2007, 5.500%, 11/01/30 (Alternative Minimum Tax)	11/12 at 100.00	CCC+	1,264,673
1,840	Decatur Hospital Authority, Texas, Revenue Bonds, Wise Regional Health System, Series 2004A: 7.000%, 9/01/25	9/14 at 100.00	N/R	1,784,395
6,600	7.125%, 9/01/34 Gulf Coast Industrial Development Authority, Texas, Solid Waste Disposal Revenue Bonds, Citgo Petroleum Corporation Project, Series 1998, 8.000%, 4/01/28 (Alternative Minimum Tax)	9/14 at 100.00	N/R	6,205,121
2,045	Harris County-Houston Sports Authority, Texas, Senior Lien Revenue Bonds, Series 2001G, 5.250%, 11/15/30 – NPFG Insured	4/12 at 100.00	Ba2	588,873
1,000	Heart of Texas Education Finance Corporation, Texas, Gateway Charter Academy, Series 2006A, 6.000%, 2/15/36	11/11 at 100.00	Baa1	1,727,657
2,020	Houston, Texas, Airport System Special Facilities Revenue Bonds, Continental Air Lines Inc., Series 1998B, 5.700%, 7/15/29 (Alternative Minimum Tax)	8/16 at 100.00	N/R	794,920
600	Houston, Texas, Airport System Special Facilities Revenue Bonds, Continental Air Lines Inc., Series 2001E: 7.375%, 7/01/22 (Alternative Minimum Tax)	7/11 at 101.00	B3	602,532
975	6.750%, 7/01/29 (Alternative Minimum Tax) La Vernia Education Financing Corporation, Texas, Charter School Revenue Bonds, Riverwalk Education Foundation, Series 2007A, 5.450%, 8/15/36	7/11 at 101.00	B3	945,009
1,000	North Texas Tollway Authority, System Revenue Bonds, First Tier Series 2009A, 6.250%, 1/01/39	8/11 at 100.00	N/R	742,240
1,035	Richardson Hospital Authority, Texas, Revenue Bonds, Richardson Regional Medical Center, Series 2004, 5.875%, 12/01/24	1/19 at 100.00	A2	1,040,703
2,000	Rio Grande Valley Health Facilities Development Corporation, Texas, Hospital Revenue Bonds, Series 2004, 5.875%, 12/01/24	12/13 at 100.00	Baa2	1,913,380
590	Rio Grande Valley Health Facilities Development Corporation, Texas, Hospital Revenue Bonds, Series 2004, 5.875%, 12/01/24	2/11 at 100.00	Baa1	564,783

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

	Valley Baptist Medical Center Project, Series 1992A, 6.375%, 8/01/22 – NPMFG Insured			
	Tarrant County Cultural and Educational Facilities Finance Corporation, Texas, Revenue Bonds,	2/17 at 100.00	AA-	1,469,920
2,000	Texas Health Resources Project, Trust 1031, 17.076%, 2/15/30 (IF)			
	Texas Private Activity Bond Surface Transportation Corporation, Senior Lien Revenue Bonds,	12/19 at 100.00	Baa2	811,272
810	NTE Mobility Partners LLC North Tarrant Express Managed Lanes Project, Series 2009, 6.875%, 12/31/39			
	Texas Private Activity Bond Surface Transportation Corporation, Senior Lien Revenue Bonds, LBJ	6/20 at 100.00	Baa3	5,556,100
5,500	Infrastructure Group LLC IH-635 Managed Lanes Project, Series 2010, 7.000%, 6/30/40			
	Texas Public Finance Authority, Charter School Finance Corporation Revenue Bonds, Cosmos	2/15 at 100.00	BBB	847,490
1,000	Foundation Inc., Series 2007A, 5.375%, 2/15/37			
	Trinity River Authority of Texas, Pollution Control Revenue Refunding Bonds, TXU Electric	5/13 at 101.00	CCC-	103,272
340	Company, Series 2003, 6.250%, 5/01/28 (Alternative Minimum Tax)			
	Tyler Health Facilities Development Corporation, Texas, Hospital Revenue Bonds, East Texas	11/17 at 100.00	Baa2	810,630
1,000	Medical Center Regional Healthcare System, Series 2007A, 5.250%, 11/01/32			
41,200	Total Texas			37,051,189
	Virgin Islands – 2.5% (1.8% of Total Investments)			
	Virgin Islands Public Finance Authority, Matching Fund Revenue Loan Note – Diageo Project,	10/19 at 100.00	BBB	421,613
420	Series 2009A, 6.750%, 10/01/37			
	Virgin Islands Public Finance Authority, Revenue Bonds, Refinery Project – Hovensa LLC, Series	1/14 at 100.00	Baa3	4,803,550
5,000	2003, 6.125%, 7/01/22 (Alternative Minimum Tax)			
	Virgin Islands Public Finance Authority, Senior Secured Lien Revenue Bonds, Refinery Project –	7/14 at 100.00	Baa3	1,879,820
2,000	Hovensa LLC, Series 2004, 5.875%, 7/01/22			
7,420	Total Virgin Islands			7,104,983
	Virginia – 1.4% (1.0% of Total Investments)			
	Giles County Industrial Development Authority, Virginia, Exempt Facility Revenue Bonds,	5/11 at 100.00	B+	994,790
1,000	Hoechst Celanese Project, Series 1996, 6.450%, 5/01/26			
	Isle of Wight County Industrial Development Authority, Virginia, Environmental Improvement	3/17 at 100.00	BBB	1,560,633
1,940	Revenue Bonds, International Paper Company Project, Series 2007A, 4.700%, 3/01/31 (Alternative Minimum Tax)			
	Metropolitan Washington Airports Authority, Virginia, Dulles Toll Road Revenue Bonds, Capital	No Opt. Call	BBB+	1,328,032
9,400	Appreciation Series 2009B-2, 0.000%, 10/01/38 – AGC Insured			
12,340	Total Virginia			3,883,455
	Washington – 2.9% (2.1% of Total Investments)			

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

Vancouver Downtown Redevelopment Authority, Washington,  
 Revenue Bonds, Conference Center  
 Project, Series 2003A:

1,780	6.000%, 1/01/28 – ACA Insured	1/14 at 100.00	N/R	1,295,893
4,745	6.000%, 1/01/34 – ACA Insured	1/14 at 100.00	N/R	3,318,511
2,660	5.250%, 1/01/34 – ACA Insured	1/14 at 100.00	N/R	1,623,079
1,000	Washington State Economic Development Finance Authority, Revenue Bonds, Coeur D' Alene Fiber Project, Series 2007G, 7.000%, 12/01/27 (Alternative Minimum Tax) (6), (7)	12/17 at 100.00	N/R	500,000
2,000	Washington State Health Care Facilities Authority, Revenue Bonds, Northwest Hospital and Medical Center of Seattle, Series 2007, 5.700%, 12/01/32	No Opt. Call	N/R	1,519,780
12,185	Total Washington West Virginia – 0.6% (0.5% of Total Investments)			8,257,263
500	Ohio County Commission, West Virginia, Special District Excise Tax Revenue Bonds, Fort Henry Economic Development, Series 2006B, 5.625%, 3/01/36	3/16 at 100.00	BBB	437,290
500	Ohio County Commission, West Virginia, Tax Increment Revenue Bonds, Fort Henry Centre Financing District, Series 2007A, 5.850%, 6/01/34	No Opt. Call	N/R	419,755
1,000	West Virginia Hospital Finance Authority, Hospital Revenue Bonds, Charleston Area Medical Center, Series 2009A, 5.500%, 9/01/28	9/14 at 100.00	A2	939,880
2,000	Total West Virginia Wisconsin – 5.7% (4.2% of Total Investments)			1,796,925
550	Lac Courte Oreilles Band of Lake Superior Chippewa Indians, Wisconsin, Revenue Bonds, Series 2003A, 7.750%, 6/01/16 (Pre-refunded 12/01/14)	12/14 at 101.00	N/R (4)	685,058
1,000	Lac Courte Oreilles Band of Lake Superior Chippewa Indians, Wisconsin, Revenue Bonds, Series 2006, 7.000%, 12/01/26	12/18 at 102.00	N/R	900,130
2,210	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Aurora Health Care Inc., Series 1999A, 5.600%, 2/15/29 – ACA Insured	2/11 at 100.00	A3	2,129,799
1,500	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Marshfield Clinic, Series 1997, 5.750%, 2/15/27 – NPMFG Insured	2/11 at 100.00	Baa1	1,414,530
1,000	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Southwest Health Center Inc., Series 2004A, 6.250%, 4/01/34	4/14 at 100.00	N/R	902,370
1,000	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, ThedaCare, Inc., Series 2009A, 5.500%, 12/15/38	12/19 at 100.00	A1	962,719
5,995	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Wheaton Franciscan Healthcare System, Series 2006: 5.250%, 8/15/26 (UB)		BBB+	5,346,161

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

		8/16 at		
		100.00		
		8/16 at		
4,500	5.250%, 8/15/34 (UB)	100.00	BBB+	3,812,130
17,755	Total Wisconsin			16,152,898
\$				
472,978	Total Investments (cost \$435,053,793) – 137.0%			388,581,285
	Floating Rate Obligations – (6.4)%			(18,170,000)
	Other Assets Less Liabilities – 2.9% (11)			8,319,105
	Auction Rate Preferred Shares, at Liquidation Value – (33.5)% (9)			(95,000,000)
				\$
	Net Assets Applicable to Common Shares – 100%			283,730,390

---

Investments in  
Derivatives

Forward Swaps outstanding at January 31, 2011:

Counterparty	Notional Amount	Fund Pay/Receive Floating Rate	Floating Rate Index	Fixed Rate Annualized	Fixed Rate Payment Frequency	Effective Date	Termination Date	Unrealized
								Appreciation (Depreciation)
Barclays Bank PLC	\$2,500,000	Recieve	USD-LIBOR 3-Month	4.720 %	Semi-Annually	5/25/11	5/25/40	\$ (145,325 )
JPMorgan	4,000,000	Recieve	USD-LIBOR 3-Month	4.783	Semi-Annually	5/05/11	5/05/40	(284,289 ) \$ (429,614 )

Fair Value Measurements

In determining the fair value of the Fund's investments, various inputs are used. These inputs are summarized in the three broad levels listed below:

Level 1 – Quoted prices in active markets for identical securities.

Level 2 – Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3 – Significant unobservable inputs (including management's assumptions in determining the fair value of investments).

The inputs or methodologies used for valuing securities are not an indication of the risk associated with investing in those securities. The following is a summary of the Fund's fair value measurements as of January 31, 2011:

	Level 1	Level 2	Level 3	Total
Investments:				
Municipal Bonds	\$—	\$382,219,186	\$6,362,099	\$388,581,285
Derivatives:				
Forward Swaps*	—	(429,614 )	—	(429,614 )
Total	\$—	\$381,789,572	\$6,362,099	\$388,151,671

The following is a reconciliation of the Fund's Level 3 investments held at the beginning and end of the measurement period:

	Level 3 Municipal Bonds
Balance at the beginning of period	\$6,926,205
Gains (losses):	
Net realized gains (losses)	—
Net change in unrealized appreciation (depreciation)	(980,136 )

Edgar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q

Purchases at cost	—
Sales at proceeds	(280,047 )
Net discounts (premiums)	287
Transfers in to	695,790
Transfers out of	—
Balance at the end of period	\$6,362,099

During the period ended January 31, 2011, the Fund recognized no significant transfers to/from Level 1 or Level 2. Transfers in and/or out of Level 3 are shown using end of period values.

#### Derivative Instruments and Hedging Activities

The Fund records derivative instruments at fair value, with changes in fair value recognized on the Statement of Operations, when applicable. Even though the Fund's investments in derivatives may represent economic hedges, they are not considered to be hedge transactions for financial reporting purposes.

The following table presents the fair value of all derivative instruments held by the Fund as of January 31, 2011, the location of these instruments on the Statement of Assets and Liabilities, and the primary underlying risk exposure.

Underlying Risk Exposure	Derivative Instrument	Location on the Statements of Assets and Liabilities		Value	Value
		Asset Derivatives Location Unrealized	Liability Derivatives Location Unrealized		
Interest Rate	Forward Swaps	appreciation on forward swaps*		\$ —	depreciation on forward swaps* \$429,614

\* Represents cumulative appreciation (depreciation) of forward swap contracts as reported in the Portfolio of Investments.

#### Income Tax Information

The following information is presented on an income tax basis. Differences between amounts for financial statement and federal income tax purposes are primarily due to timing differences in recognizing taxable market discount, timing differences in recognizing certain gains and losses on investment transactions and the treatment of investments in inverse floating rate securities reflected as financing transactions, if any. To the extent that differences arise that are permanent in nature, such amounts are reclassified within the capital accounts on the Statement of Assets and Liabilities presented in the annual report, based on their federal tax basis treatment; temporary differences do not require reclassification. Temporary and permanent differences do not impact the net asset value of the Fund.

At January 31, 2011, the cost of investments (excluding investments in derivatives) was \$419,462,335.

Gross unrealized appreciation and gross unrealized depreciation of investments (excluding investments in derivatives) at January 31, 2011, were as follows:

Gross unrealized:	
Appreciation	\$14,894,181
Depreciation	(63,946,110)
Net unrealized appreciation (depreciation) of investments	\$(49,051,929)

All percentages shown in the Portfolio of Investments are based  
(1) on net assets applicable to Common

shares unless otherwise noted.

Optional Call Provisions: Dates (month and year) and prices of

(2) the earliest optional call or redemption.

There may be other call provisions at varying prices at later dates.

Certain mortgage-backed securities

may be subject to periodic principal paydowns.

Ratings: Using the highest of Standard & Poor's Group ("Standard

(3) & Poor's"), Moody's Investor Service, Inc.

("Moody's") or Fitch, Inc. ("Fitch") rating. Ratings below BBB by

Standard & Poor's, Baa by Moody's or BBB

by Fitch are considered to be below investment grade. Holdings

designated N/R are not rated by any of

these national rating agencies.

Backed by an escrow or trust containing sufficient U.S.

(4) Government or U.S. Government agency securities,

which ensure the timely payment of principal and interest. Such

investments are normally considered to be

equivalent to AAA rated securities.

Investment, or portion of investment, has been pledged to

(5) collateralize the net payment obligations for

investments in derivatives and/or inverse floating rate

transactions.

For fair value measurement disclosure purposes, investment

(6) categorized as Level 3.

The Fund's Adviser has concluded this issue is not likely to meet

(7) its future interest payment obligations

and has directed the Fund's custodian to cease accruing additional

income on the Fund's records.

Investment valued at fair value using methods determined in good

(8) faith by, or at the discretion of, the

Board of Directors/Trustees.

Auction Rate Preferred Shares, at Liquidation Value as a

(9) percentage of Total Investments is 24.4%.

Effective date represents the date on which both the Fund and

(10) Counterparty commence interest payment

accruals on each forward swap contract.

Other Assets Less Liabilities includes value and/or Unrealized

(11) Appreciation (Depreciation) of derivative

instruments as noted in Investments in Derivatives.

N/R Not rated.

WI/DD Purchased on a when-issued or delayed delivery basis.

(ETM) Escrowed to maturity.

(IF) Inverse floating rate investment.

Underlying bond of an inverse floating rate trust reflected as a

(UB) financing transaction.

USD-LIBOR United States Dollar-London Inter-Bank Offered Rate.



Item 2. Controls and Procedures.

- a. The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act") (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934 (17 CFR 240.13a-15(b) or 240.15d-15(b)).
  
- b. There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d))) that occurred during the registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3. Exhibits.

File as exhibits as part of this Form a separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act (17 CFR 270.30a-2(a)), exactly as set forth below: See EX-99 CERT attached hereto.

---

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Nuveen Municipal High Income Opportunity Fund

By (Signature and Title) /s/ Kevin J. McCarthy  
Kevin J. McCarthy  
Vice President and Secretary

Date April 1, 2011

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title) /s/ Gifford R. Zimmerman  
Gifford R. Zimmerman  
Chief Administrative Officer (principal executive officer)

Date April 1, 2011

By (Signature and Title) /s/ Stephen D. Foy  
Stephen D. Foy  
Vice President and Controller (principal financial officer)

Date April 1, 2011