NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND Form N-Q September 28, 2007

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM N-Q

| QUARTERL | Y SCHEDULE OF P | ORTFOLIO HOLI | DINGS OF REGISTE | RED MANAGEN | IENT INVESTME | NT COMPANY | |
|--|---|---|---|--|---|---|------------|
| Investment Compa | ny Act file number | 811-21449 | | | | | |
| | | Nuveen Munici | pal High Income Opp | ortunity Fund | | | |
| | _ | | of registrant as specifie | | _ | | |
| | | | Nuveen Investments | | | | |
| | | | cker Drive, Chicago, I incipal executive office | | | | |
| | | 333 West Wac | arthy—Vice Presiden eker Drive, Chicago, I | llinois 60606 | | | |
| Registrant's telepho | one number, including | area code: 312- | <u>-917-7700</u> | , | | | |
| Date of fiscal year | end: 10/31 | _ | | | | | |
| Date of reporting p | eriod: <u>7/31/07</u> | <u> </u> | | | | | |
| 239.24 and 274.5 o pursuant to rule 30 | of this chapter), to file to b1-5 under the Investment | reports with the Com nent Company Act or | es, other than small bus amission, not later than f 1940 (17 CFR 270.30 and policymaking roles | 60 days after the cob1-5). The Commi | lose of the first and | third fiscal quarter | |
| is not required to re Management and E estimate and any su | espond to the collection Budget ("OMB") control aggestions for reducing | n of information con ol number. Please din g the burden to the Se | by Form N-Q, and the C tained in Form N-Q un rect comments concern ecretary, Securities and formation under the cle | less the Form displ ing the accuracy of l Exchange Commi | ays a currently valid the information col ssion, 450 Fifth Stre | l Office of lection burden eet, NW, Washing | |
| Item 1. Schedule | of Investments | | | | | | |
| | Portfolio of Inves | stments (Unaudi | ted) | | | | |
| | | - | pportunity (NMZ) | | | | |
| | July 31, 2007 | <u> </u> | , , -, | | | | |
| Principal | | | | | | | Optional |
| - | Description (1) | | | | | | Provisions |

| National | D 2.1% | (1.4% of Total | Investments) |
|----------|--------|--------------------------|--------------------------|
| National | /U ' | (1.7 /0 OI IOLAI | IIIVestillelits <i>i</i> |

| | Charter Mac Equity Issuer Trust, Preferred Shares, Series 2004A-4: | |
|----------|---|--------------|
| \$ 5,000 | 6.000%, 12/31/45 (Mandatory put 4/30/19) (Alternative Minimum Tax) | 4/19 at 10 |
| 1,000 | 5.750%, 12/31/45 (Mandatory put 4/30/15) (Alternative Minimum Tax) | 4/15 at 10 |
| 1,000 | GMAC Municipal Mortgage Trust, Series B-1, 5.600%, 10/31/39 (Mandatory put 10/31/19) | No Opt. |
| · | (Alternative Minimum Tax) | · |
| 7,000 | Total National | |
| | Alabama 🛘 2.3% (1.5% of Total Investments) | |
| 6,200 | Baldwin County Eastern Shore Healthcare Authority, Alabama, Hospital Revenue Bonds, Thomas Hospital, Series 1998, 5.750%, 4/01/27 (Pre-refunded 4/01/08) | 4/08 at 102 |
| 2,000 | Bessemer, Alabama, General Obligation Warrants, Series 2007, 6.500%, 2/01/37 | 2/17 at 102 |
| 8,200 | Total Alabama | |
| | Arizona 🛘 5.5% (3.7% of Total Investments) | |
| 515 | Estrella Mountain Ranch Community Facilities District, Goodyear, Arizona, Special Assessment Lien Bonds, Series 2001A, 7.875%, 7/01/25 | 7/10 at 102 |
| 2,000 | Maricopa County Industrial Development Authority, Arizona, Multifamily Housing Revenue Bonds, Privado Park Apartments Project, Series 2006A, 5.250%, 11/01/41 (Mandatory put 11/01/11) (Alternative Minimum Tax) | 11/07 at 103 |
| 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) Phoenix Industrial Development Authority, Arizona, Educational Revenue Bonds, Keystone Montessori School, Series 2004A: | 1/11 at 103 |
| 315 | 6.375%, 11/01/13 | 11/11 at 103 |
| 790 | 7.250%, 11/01/23 | 11/11 at 103 |
| 1,715 | 7.500%, 11/01/33 | 11/11 at 103 |
| 1,000 | Pima County Industrial Development Authority, Arizona, Charter School Revenue Bonds, Franklin Phonetic Charter School, Series 2006, 5.750%, 7/01/36 | 7/16 at 100 |
| 1,645 | Pima County Industrial Development Authority, Arizona, Charter School Revenue Bonds, Heritage Elementary School, Series 2004, 7.500%, 7/01/34 (Pre-refunded 7/01/14) | 7/14 at 100 |
| 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 |
| 500 | | No Opt. |
| 1,000 | Pima County Industrial Development Authority, Arizona, Charter School Revenue Bonds, Pointe Educational Services Charter School, Series 2004, 7.125%, 7/01/24 (Pre-refunded 7/01/14) | 7/14 at 100 |
| 1,150 | | 10/12 at 100 |
| 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 |
| 18,900 | Total Arizona | |

California [] 17.4% (11.9% of Total Investments)

8,000 Alameda Public Finance Authority, California, Revenue Bond Anticipation Notes, Alameda Power

No Opt.

| 9 | g : | |
|----------|---|--------------|
| | and Telecom, Series 2004, 7.000%, 6/01/09 | |
| 940 | California Health Facilities Financing Authority, Hospital Revenue Bonds, Downey Community | 11/07 at 100 |
| | Hospital, Series 1993, 5.750%, 5/15/15 | |
| | California State Public Works Board, Lease Revenue Bonds, Department of General Services, | |
| 1 000 | Series 2003D: | 10/10 . 10/ |
| 1,090 | 5.000%, 6/01/21 | 12/13 at 100 |
| 1,170 | 5.100%, 6/01/23 | 12/13 at 100 |
| 3,000 | California State Public Works Board, Lease Revenue Bonds, Department of Mental Health, Coalinga State Hospital, Series 2004A, 5.000%, 6/01/25 | 6/14 at 100 |
| 2,000 | California Statewide Communities Development Authority, Revenue Bonds, EnerTech Regional | No Opt. |
| | Biosolids Project, Series 2007A, 5.500%, 12/01/33 (WI/DD, Settling 8/02/07) (Alternative Minimum Tax) | |
| 2,925 | California Statewide Community Development Authority, Revenue Bonds, Epidaurus Project, Series 2004A, 7.750%, 3/01/34 | 3/14 at 102 |
| 1,005 | California Statewide Community Development Authority, Subordinate Lien Multifamily Housing | 1/14 at 100 |
| | Revenue Bonds, Corona Park Apartments, Series 2004I-S, 7.750%, 1/01/34 (Alternative Minimum Tax) | |
| 3,360 | California, General Obligation Bonds, Series 2003, 5.000%, 11/01/21 | 11/13 at 100 |
| 4,975 | Golden State Tobacco Securitization Corporation, California, Enhanced Tobacco Settlement | 6/13 at 100 |
| | Asset-Backed Bonds, Series 2003B, 5.625%, 6/01/33 (Pre-refunded 6/01/13) | |
| 5,500 | Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed Bonds, Series 2003A-1, 6.750%, 6/01/39 (Pre-refunded 6/01/13) | 6/13 at 100 |
| 1,000 | Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed | 6/13 at 100 |
| | Revenue Bonds, Series 2003A-2, 7.900%, 6/01/42 (Pre-refunded 6/01/13) | |
| | Huntington Beach, California, Special Tax Bonds, Community Facilities District 2003-1, | |
| | Huntington Center, Series 2004: | |
| 500 | 5.800%, 9/01/23 | 9/14 at 100 |
| 1,000 | 5.850%, 9/01/33 | 9/14 at 100 |
| 2,500 | Independent Cities Lease Finance Authority, California, Revenue Bonds, El Granada Mobile Home Park, Series 2004A, 6.450%, 5/15/44 | 5/14 at 100 |
| 1,015 | Independent Cities Lease Finance Authority, California, Subordinate Lien Revenue Bonds, El Granada Mobile Home Park, Series 2004B, 6.500%, 5/15/44 | 5/14 at 100 |
| 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 |
| 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 |
| 300 | Los Angeles Regional Airports Improvement Corporation, California, Sublease Revenue Bonds, Los Angeles International Airport, American Airlines Inc. Terminal 4 Project, Series 2002B, 7.500%, 12/01/24 (Alternative Minimum Tax) | 12/12 at 102 |
| 2,950 | 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 |
| | Moreno Valley Unified School District, Riverside County, California, Special Tax Bonds, | |
| . | Community Facilities District, Series 2004: | - |
| 800 | 5.550%, 9/01/29 | 9/14 at 100 |
| 1,250 | 5.650%, 9/01/34 | 9/14 at 100 |
| 995 | Oceanside, California, Special Tax Revenue Bonds, Community Facilities District Morro Hills, | 3/14 at 100 |
| | | |

Series 2004, 5.750%, 9/01/28

| | Orange County, California, Special Tax Bonds, Community Facilities District 03-1 of Ladera | |
|--------|---|--------------|
| | Ranch, Series 2004A: | |
| 500 | 5.500%, 8/15/23 | 8/12 at 101 |
| 1,625 | 5.600%, 8/15/28 | 8/12 at 101 |
| 1,000 | 5.625%, 8/15/34 | 8/12 at 101 |
| 2,250 | San Diego County, California, Certificates of Participation, San Diego-Imperial Counties | 9/12 at 100 |
| | Developmental Services Foundation Project, Series 2002, 5.500%, 9/01/27 | I |
| 3,895 | West Patterson Financing Authority, California, Special Tax Bonds, Community Facilities | 9/13 at 103 |
| | District 2001-1, Series 2004A, 6.125%, 9/01/39 | |
| 60,145 | Total California | |
| | Colorado 🛘 8.8% (6.0% of Total Investments) | |
| 925 | Bradburn Metropolitan District 3, Colorado, General Obligation Bonds, Series 2003, 7.500%, 12/01/33 | 12/13 at 101 |
| 5,594 | Buffalo Ridge Metropolitan District, Colorado, Limited Obligation Assessment Bonds, Series 2003, 7.500%, 12/01/33 | 12/13 at 101 |
| 400 | Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Academy | 12/10 at 101 |
| | Charter School Douglas County School District Re. 1, Series 2000, 6.875%, 12/15/20 | I |
| | (Pre-refunded 12/15/10) | I |
| 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 |
| 900 | Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Compass Montessori Elementary Charter School, Series 2000, 7.750%, 7/15/31 (Pre-refunded 7/15/08) | 7/08 at 100 |
| 3,500 | Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Denver Arts and Technology Academy, Series 2003, 8.000%, 5/01/34 | 5/14 at 101 |
| | Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, Excel Academy Charter School, Series 2003: | |
| 485 | 7.300%, 12/01/23 (Pre-refunded 12/01/11) | 12/11 at 100 |
| 875 | 7.500%, 12/01/33 (Pre-refunded 12/01/11) | 12/11 at 100 |
| | | 2/10 at 100 |
| | Jefferson County School District R-1 [Compass Montessori Secondary School, Series 2002, 8.000%, 2/15/32 (Pre-refunded 2/15/10) | · |
| 1,000 | Colorado Educational and Cultural Facilities Authority, Charter School Revenue Bonds, | 2/16 at 101 |
| | Jefferson County School District R-1 🛘 Compass Montessori Secondary School, Series 2006, 5.625%, 2/15/36 | |
| 1,240 | | 6/11 at 100 |
| | (Pre-refunded 6/01/11) | |
| 1,500 | Colorado Educational and Cultural Facilities Authority, Independent School Improvement Revenue | 6/14 at 100 |
| | Bonds, Heritage Christian School of Northern Colorado, Series 2004A, 7.500%, 6/01/34 (5) | |
| 900 | Colorado Housing and Finance Authority, Multifamily Project Bonds, Class II Series 2002C-6, 5.300%, 10/01/42 | 10/12 at 100 |
| 4,300 | Denver Health and Hospitals Authority, Colorado, Revenue Bonds, Series 2004A, 6.250%, 12/01/33 (Pre-refunded 12/01/14) | 12/14 at 100 |
| 1,000 | Denver, Colorado, FHA-Insured Multifamily Housing Mortgage Loan Revenue Bonds, Garden Court Community Project, Series 1998, 5.400%, 7/01/39 | 7/08 at 102 |
| 1,250 | Mesa County, Colorado, Residential Care Facilities Mortgage Revenue Bonds, Hilltop Community | 12/11 at 101 |

| | Resources Inc. Obligated Group, Series 2001A, 5.250%, 12/01/21 🛘 RAAI Insured | |
|--------|--|--------------|
| 1,995 | Park Creek Metropolitan District, Colorado, Limited Tax Obligation Revenue Bonds, Series | 12/13 at 100 |
| | 2003CR-2, 7.875%, 12/01/32 (Mandatory put 12/01/13) | |
| | Tallyn s Reach Metropolitan District 2, Aurora, Colorado, Limited Tax General Obligation | |
| | Bonds, Series 2004: | |
| 250 | 6.000%, 12/01/18 | 12/13 at 100 |
| 315 | 6.375%, 12/01/23 | 12/13 at 100 |
| | Tallyn s Reach Metropolitan District 3, Aurora, Colorado, Limited Tax General Obligation | |
| | Bonds, Series 2004: | |
| 500 | 6.625%, 12/01/23 | 12/13 at 100 |
| 500 | 6.750%, 12/01/33 | 12/13 at 100 |
| 29,863 | Total Colorado | |
| | Connecticut [] 0.5% (0.4% of Total Investments) | |
| 1,025 | Eastern Connecticut Resource Recovery Authority, Solid Waste Revenue Bonds, Wheelabrator | 1/08 at 100 |
| | Lisbon Project, Series 1993A, 5.500%, 1/01/20 (Alternative Minimum Tax) | |
| 1,000 | Mashantucket Western Pequot Tribe, Connecticut, Subordinate Special Revenue Bonds, Series | 9/16 at 100 |
| | 2006A, 5.500%, 9/01/36 | |
| 2,025 | Total Connecticut | |
| | Florida | |
| 4.320 | Bartram Springs Community Development District, Duval County, Florida, Special Assessment | 5/13 at 102 |
| ., | Bonds, Series 2003A, 6.650%, 5/01/34 (Pre-refunded 5/01/13) | 5,25 55 25 |
| 1,000 | | 5/16 at 100 |
| , | Bonds, Series 2006, 4.750%, 5/01/34 | , |
| 700 | Broward County, Florida, Airport Facility Revenue Bonds, Learjet Inc., Series 2000, 7.500%, | 11/14 at 101 |
| | 11/01/20 (Alternative Minimum Tax) | , |
| 1.160 | Century Gardens Community Development District, Miami-Dade County, Florida, Special Assessment | 5/14 at 101 |
| , | Revenue Bonds, Series 2004, 5.900%, 5/01/34 | ., |
| | Islands at Doral Northeast Community Development District, Miami-Dade County, Florida, Special | |
| | Assessment Bonds, Series 2004: | |
| 455 | 6.125%, 5/01/24 | 5/14 at 101 |
| 450 | 6.250%, 5/01/34 | 5/14 at 101 |
| 6,880 | | No Opt. |
| | Legacy at Lehigh Project, Senior Series 2003A, 6.000%, 12/01/43 (5) | |
| 620 | Lexington Community Development District, Florida, Special Assessment Revenue Bonds, Series | 5/14 at 101 |
| | 2004, 6.125%, 5/01/34 | |
| 3,816 | MMA Financial CDD Junior Securitization Trust, Florida, Pass-Through Certificates, Class A, | 11/07 at 100 |
| | Series 2003l, 8.000%, 11/01/13 | |
| 3,820 | Palm Beach County Housing Finance Authority, Florida, Multifamily Housing Revenue Bonds, Lake | 7/09 at 103 |
| | Delray Apartments, Series 1999A, 6.400%, 1/01/31 (Alternative Minimum Tax) | |
| 1,000 | Sarasota County Health Facility Authority, Florida, Revenue Bonds, Sarasota-Manatee Jewish | 7/17 at 100 |
| | Housing Council, Inc., Series 2007, 5.750%, 7/01/45 | |
| 1,700 | South-Dade Venture Community Development District, Florida, Special Assessment Revenue Bonds, | 5/14 at 101 |
| | Series 2004, 6.125%, 5/01/34 | |
| | Stonegate Community Development District, Florida, Special Assessment Revenue Bonds, | |
| | | |

| | Series 2004: | |
|--------|--|--------------|
| 455 | 6.000%, 5/01/24 | 5/14 at 101 |
| 500 | 6.125%, 5/01/34 | 5/14 at 101 |
| | Westchester Community Development District 1, Florida, Special Assessment Bonds, Series 2003: | |
| 140 | 6.000%, 5/01/23 | 5/13 at 101 |
| 3,745 | 6.125%, 5/01/35 | 5/13 at 101 |
| 30,761 | Total Florida | |
| _ | Georgia [] 1.0% (0.7% 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) (6) | 7/08 at 102 |
| 900 | Fulton County Residential Care Facilities Authority, Georgia, Revenue Bonds, Canterbury Court, | 2/09 at 100 |
| 900 | Series 2004A, 6.125%, 2/15/34 | 2/09 at 100 |
| 1,935 | Fulton County Residential Care Facilities Authority, Georgia, Revenue Bonds, St. Anne∏s | 12/13 at 102 |
| | Terrace, Series 2003, 7.625%, 12/01/33 | |
| 3,335 | Total Georgia | |
| | Hawaii ☐ 0.2% (0.2% of Total Investments) | |
| 1,000 | Hawaii State Department of Budget and Finance, Private School Revenue Bonds, Montessori of | 2/17 at 100 |
| | Maui, Series 2007, 5.500%, 1/01/37 | |
| | Illinois [] 7.2% (4.9% of Total Investments) | |
| 2,000 | Chicago, Illinois, Certificates of Participation Tax Increment Revenue Notes, | 12/08 at 100 |
| | Chicago/Kingsbury Redevelopment Project, Series 2004A, 6.570%, 2/15/13 | |
| 1,000 | Chicago, Illinois, Certificates of Participation, Tax Increment Allocation Revenue Bonds, | 7/11 at 100 |
| 2.000 | Diversey-Narragansett Project, Series 2006, 7.460%, 2/15/26 | 10/16 -+ 106 |
| 2,000 | Illinois Finance Authority, Revenue Bonds, Midwest Regional Medical Center Galena-Stauss Hospital, Series 2006, 6.750%, 10/01/46 | 10/16 at 100 |
| 1,350 | | 8/13 at 100 |
| 2,333 | Health System, Series 2003, 5.150%, 2/15/37 | 0,10 01 100 |
| 1,000 | Illinois Health Facilities Authority, Revenue Bonds, Condell Medical Center, Series 2002, | 5/12 at 100 |
| | 5.500%, 5/15/32 | |
| 8,800 | Illinois Health Facilities Authority, Revenue Bonds, Lake Forest Hospital, Series 2002A, | 7/12 at 100 |
| | 5.750%, 7/01/29 | |
| 1,400 | Illinois Health Facilities Authority, Revenue Bonds, Midwest Physicians Group Ltd., Series | 11/08 at 102 |
| 1.650 | 1998, 5.500%, 11/15/19 Lombard Bublic Excilities Corporation, Illinois, First Tier Conference Conter and Hetel | 1/16 -+ 100 |
| 1,650 | 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 |
| 1.154 | Lombard Public Facilities Corporation, Illinois, Third Tier Conference Center and Hotel | 1/08 at 100 |
| 1,134 | Revenue Bonds, Series 2005C-3, 4.000%, 1/01/36 | 1,00 00 100 |
| 2,060 | | 3/14 at 102 |
| | 2004A, 6.200%, 3/01/34 | |
| 1,000 | Volo Village, Illinois, Special Service Area 3 Special Tax Bonds, Symphony Meadows Project 1, | 3/16 at 102 |
| | Series 2006, 6.000%, 3/01/36 (Mandatory put 2/29/16) | |
| 1,000 | Yorkville United City Business District, Illinois, Storm Water and Water Improvement Project | 1/17 at 102 |
| | Revenue Bonds, Series 2007, 6.000%, 1/01/26 | |
| | | |

| Yorkville, Illinois, Special Service Area 2005-108 Assessment Bonds, Autumn Creek Project, Series 2006, 6.000%, 3/01/36 | 3/16 at 102 |
|--|--|
| Total Illinois | |
| Indiana 9.8% (6.6% of Total Investments) | |
| Carmel Redevelopment District, Indiana, Tax Increment Revenue Bonds, Series 2004A, 6.650%, 1/15/24 | 7/12 at 103 |
| Indiana Finance Authority, Tax Exempt Revenue Bonds, Indiana-American Water Company Inc., Series 2006, 4.875%, 10/01/36 [] AMBAC Insured (UB) | 10/16 at 100 |
| Indiana Health Facility Financing Authority, Hospital Revenue Bonds, Community Foundation of Northwest Indiana, Series 2004A: | |
| | 3/14 at 101 |
| | 3/14 at 101 |
| St. Joseph County, Indiana, Economic Development Revenue Bonds, Chicago Trail Village Apartments, Series 2005A, 7.500%, 7/01/35 | 7/15 at 103 |
| Whitley County, Indiana, Solid Waste and Sewerage Disposal Revenue Bonds, Steel Dynamics Inc., Series 1998, 7.250%, 11/01/18 (Alternative Minimum Tax) | 11/10 at 102 |
| Total Indiana | |
| Louisiana 🛘 6.9% (4.6% of Total Investments) | |
| Carter Plantation Community Development District, Livingston Parish, Louisiana, Special Assessment Bonds, Series 2004, 5.500%, 5/01/16 | 11/07 at 100 |
| Hodge, Louisiana, Combined Utility System Revenue Bonds, Smurfit-Stone Container Corporation, Series 2003, 7.450%, 3/01/24 (Alternative Minimum Tax) | No Opt. |
| Lafourche Parish Housing Authority, Louisiana, GNMA Collateralized Mortgage Loan Multifamily Mortgage Revenue Bonds, City Place II Apartments, Series 2001, 6.700%, 1/20/40 | 1/11 at 105 |
| Louisiana Local Government Environmental Facilities and Community Development Authority, Carter Plantation Hotel Project Revenue Bonds, Series 2006A, 6.000%, 9/01/36 | 9/16 at 100 |
| Louisiana Local Government Environmental Facilities and Community Development Authority, Revenue Bonds, CDF Healthcare of Louisiana LLC, Series 2006A, 7.000%, 6/01/36 Ouachita Parish Industrial Development Authority, Louisiana, Solid Waste Disposal Revenue Bonds, White Oaks Project, Series 2004A: | 6/16 at 101 |
| 8.250%, 3/01/19 (Alternative Minimum Tax) | 3/10 at 102 |
| 8.500%, 3/01/24 (Alternative Minimum Tax) | 3/10 at 102 |
| St. James Parish, Louisiana, Solid Waste Disposal Revenue Bonds, Freeport McMoran Project, Series 1992, 7.700%, 10/01/22 (Alternative Minimum Tax) | 10/07 at 100 |
| Tobacco Settlement Financing Corporation, Louisiana, Tobacco Settlement Asset-Backed Bonds, Series 2001B, 5.875%, 5/15/39 | 5/11 at 101 |
| Total Louisiana | |
| Maine [] 0.9% (0.6% of Total Investments) | |
| 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 |
| | Total Illinois Indiana [] 9.8% (6.6% of Total Investments) Carmel Redevelopment District, Indiana, Tax Increment Revenue Bonds, Series 2004A, 6.650%, 11/51/24 Indiana Finance Authority, Tax Exempt Revenue Bonds, Indiana-American Water Company Inc., Series 2006, 4.875%, 10/01/36 [] AMBAC Insured (UB) Indiana Health Facility Financing Authority, Hospital Revenue Bonds, Community Foundation of Northwest Indiana, Series 2004A: 6.250%, 3/01/25 6.000%, 3/01/25 6.000%, 3/01/36 St. Joseph County, Indiana, Economic Development Revenue Bonds, Chicago Trail Village Apartments, Series 2005A, 7.500%, 7/01/35 Whitley County, Indiana, Solid Waste and Sewerage Disposal Revenue Bonds, Steel Dynamics Inc., Series 1998, 7.250%, 11/01/18 (Alternative Minimum Tax) Total Indiana Louisiana [] 6.9% (4.6% of Total Investments) Carter Plantation Community Development District, Livingston Parish, Louisiana, Special Assessment Bonds, Series 2004, 5.500%, 5/01/16 Hodge, Louisiana, Combined Utility System Revenue Bonds, Smurfit-Stone Container Corporation, Series 2001, 7.450%, 3/01/24 (Alternative Minimum Tax) Lafourche Parish Housing Authority, Louisiana, GNMA Collateralized Mortgage Loan Multifamily Mortgage Revenue Bonds, City Place II Apartments, Series 2001, 6.700%, 1/20/40 Louisiana Local Government Environmental Facilities and Community Development Authority, Carter Plantation Hotel Project Revenue Bonds, Series 2006A, 6.000%, 9/01/36 Louisiana Local Government Environmental Facilities and Community Development Authority, Revenue Bonds, CDF Healthcare of Louisiana LLC, Series 2006A, 7.000%, 6/01/36 Loushita Parish Industrial Development Authority, Louisiana, Solid Waste Disposal Revenue Bonds, White Oaks Project, Series 2004A: 8.250%, 3/01/19 (Alternative Minimum Tax) St. James Parish, Louisiana, Solid Waste Disposal Revenue Bonds, Freeport McMoran Project, Series 1992, 7.700%, 10/01/22 (Alternative Minimum Tax) Total Louisiana Maine [] 0.9% (0.6% of Total Investments) Portland Housing Development Corporation, Main |

Maryland

☐ 3.4% (2.3% of Total Investments)

| Edg | gar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q | |
|--------|---|-------------|
| 2,000 | Maryland Energy Financing Administration, Revenue Bonds, AES Warrior Run Project, Series 1995, 7.400%, 9/01/19 (Alternative Minimum Tax) | 9/07 at 100 |
| 3,850 | Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, MedStar Health, Series 2004, 5.500%, 8/15/33 | 8/14 at 100 |
| 7,435 | Prince George⊡s County, Maryland, Revenue Bonds, Dimensions Health Corporation, Series 1994, 5.300%, 7/01/24 | 1/08 at 100 |
| 13,285 | Total Maryland | |
| | Massachusetts ☐ 1.0% (0.7% of Total Investments) | |
| 580 | 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. |
| 1,350 | Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Northern Berkshire Community Services Inc., Series 2004B, 6.375%, 7/01/34 | 7/14 at 100 |
| 1,440 | Massachusetts Housing Finance Agency, Rental Housing Mortgage Revenue Bonds, Series 2000H, 6.650%, 7/01/41 MBIA Insured (Alternative Minimum Tax) | 7/10 at 100 |
| 3,370 | Total Massachusetts | |
| | Michigan ☐ 4.6% (3.1% of Total Investments) | |
| 1,265 | Countryside Charter School, Berrien County, Michigan, Charter School Revenue Bonds, Series 1999, 7.000%, 4/01/29 | 4/09 at 100 |
| 885 | Countryside Charter School, Berrien County, Michigan, Charter School Revenue Bonds, Series 2000, 8.000%, 4/01/29 | 4/09 at 100 |
| 1,435 | Detroit Local Development Finance Authority, Michigan, Tax Increment Bonds, Series 1998A, 5.500%, 5/01/21 | 5/09 at 103 |
| 3,580 | Michigan State Hospital Finance Authority, Hospital Revenue Refunding Bonds, Detroit Medical Center Obligated Group, Series 1993B, 5.500%, 8/15/23 | 8/07 at 100 |
| 1,500 | Michigan State Hospital Finance Authority, Revenue Bonds, Hills and Dales General Hospital, Series 2005A, 6.750%, 11/15/38 | 11/15 at 10 |
| 970 | Midland County Economic Development Corporation, Michigan, Subordinated Pollution Control Limited Obligation Revenue Refunding Bonds, Midland Cogeneration Project, Series 2000A, 6.875%, 7/23/09 (Alternative Minimum Tax) | 1/08 at 10 |
| 2,665 | Nataki Talibah Schoolhouse, Wayne County, Michigan, Certificates of Participation, Series 2000, 8.250%, 6/01/30 Pontiac Hospital Finance Authority, Michigan, Hospital Revenue Refunding Bonds, NOMC Obligated | 6/10 at 10 |
| 985 | Group, Series 1993: 6.000%, 8/01/13 | 8/07 at 10 |
| 1,500 | | 8/07 at 10 |
| 1,800 | | 8/07 at 10 |
| 16,585 | Total Michigan | |
| | Minnesota [] 2.9% (1.9% of Total Investments) Minneapolis, Minnesota, Student Housing Revenue Bonds, Riverton Community Housing Project, Sociol 2000: | |
| 100 | Series 2000: 7.200%, 7/01/14 (Pre-refunded 7/01/10) | 7/10 at 10 |
| 100 | | 7/10 at 10 |
| | | |

| Edg | ar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q | |
|--------|--|--------------|
| 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 |
| 5,000 | St. Louis Park, Minnesota, Revenue Bonds, Park Nicollet Health Services, Series 2003B, 5.250%, 7/01/30 | 7/14 at 10 |
| 1,430 | 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 |
| 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 |
| 1,000 | St. Paul Port Authority, Minnesota, Lease Revenue Bonds, HealthEast Midway Campus, Series 2005B, 6.000%, 5/01/30 | 5/15 at 100 |
| 10,055 | Total Minnesota | |
| | Mississippi ☐ 0.2% (0.2% of Total Investments) | |
| 982 | 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 |
| | Missouri [] 2.6% (1.8% of Total Investments) | |
| 540 | Branson Regional Airport Transportation Development District, Missouri, Project Revenue Bonds, Series 2007B, 6.000%, 7/01/37 (Alternative Minimum Tax) | 7/17 at 100 |
| 2,330 | Kansas City Industrial Development Authority, Missouri, Multifamily Housing Revenue Bonds, Pickwick Apartments Project, Series 2004, 8.000%, 2/01/34 (Alternative Minimum Tax) (5) | 2/14 at 102 |
| 5,935 | Missouri Environmental Improvement and Energy Resources Authority, Water Facility Revenue Bonds, Missouri-American Water Company, Series 2006, 4.600%, 12/01/36 Insured (Alternative Minimum Tax) (UB) | 12/16 at 100 |
| 1,000 | Saint Louis Industrial Development Authority, Missouri, Saint Louis Convention Center Headquarters Hotel Project, Series 2000A, 7.250%, 12/15/35 (Alternative Minimum Tax) | 12/10 at 102 |
| 885 | Saint Louis, Missouri, Tax Increment Financing Reveneu Bonds, Grace Lofts Redevelopment Projects, Series 2007A, 6.000%, 3/27/26 | 3/26 at 100 |
| 10,690 | Total Missouri | |
| | Montana ☐ 2.0% (1.4% of Total Investments) | |
| 5,200 | Montana Board of Investments, Exempt Facility Revenue Bonds, Stillwater Mining Company, Series 2000, 8.000%, 7/01/20 (Alternative Minimum Tax) | 7/10 at 101 |
| 1,945 | Montana Board of Investments, Resource Recovery Revenue Bonds, Yellowstone Energy LP, Series 1993, 7.000%, 12/31/19 (Alternative Minimum Tax) | No Opt. |
| 7,145 | Total Montana | |
| | Nebraska 🛘 3.5% (2.3% of Total Investments) | 0.00 |
| 8,670 | Omaha Public Power District, Nebraska, Separate Electric System Revenue Bonds, Nebraska City 2, Series 2006A, Residuals 1508-2, 7.245%, 2/01/49 🛮 AMBAC Insured (IF) | 2/17 at 100 |
| 3,000 | Omaha Public Power District, Nebraska, Separate Electric System Revenue Bonds, Nebraska City 2, Series 2006A, 5.000%, 2/01/49 [] AMBAC Insured (UB) | 2/17 at 100 |
| 11.670 | Takal Makasada | |

11,670 Total Nebraska

| 7.050 | Total New York | |
|--------|--|---------------------------|
| 750 | New York City Industrial Development Agency, New York, Special Facilities Revenue Bonds, JFK Airport American Airlines Inc., Series 2002A, 8.000%, 8/01/12 (Alternative Minimum Tax) | No Opt |
| 1,700 | Center, Series 2005A, 6.250%, 3/01/15 New York City Industrial Development Agency, New York, Special Facilities Revenue Bonds, American Airlines Inc., Series 1994, 6.900%, 8/01/24 (Alternative Minimum Tax) | 10/07 at 10 |
| 500 | Airport Special Facility Revenue Bonds, Series 2005, 7.750%, 8/01/31 (Alternative Minimum Tax) New York City Industrial Development Agency, New York, Liberty Revenue Bonds, 7 World Trade | 3/09 at 10 |
| 1,000 | , | 8/16 at 10 |
| 4,000 | New York [] 2.3% (1.5% of Total Investments) Dormitory Authority of the State of New York, Revenue Bonds, Lenox Hill Hospital Obligated | 7/11 at 10 |
| 16,095 | Total New Jersey | |
| 2,760 | 7.000%, 6/01/41 (Pre-refunded 6/01/13) | 6/13 at 10 |
| 7,825 | Obligated Group, Series 2000, 7.500%, 7/01/30 (Pre-refunded 7/01/10) Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds, Series 2003: 6.750%, 6/01/39 (Pre-refunded 6/01/13) | 6/13 at 10 |
| | New Jersey Economic Development Authority, Special Facilities Revenue Bonds, Continental Airlines Inc., Series 2000, 7.000%, 11/15/30 (Alternative Minimum Tax) New Jersey Health Care Facilities Financing Authority, Revenue Bonds, Trinitas Hospital | 11/10 at 10 7/10 at 10 |
| | New Jersey Economic Development Authority, Special Facilities Revenue Bonds, Continental Airlines Inc., Series 1999, 6.250%, 9/15/29 (Alternative Minimum Tax) New Jersey Economic Development Authority, Special Facilities Revenue Bonds, Continental | 9/09 at 10 |
| 1,000 | New Jersey [] 4.9% (3.3% of Total Investments) New Jersey Economic Development Authority, Revenue Bonds, United Methodist Homes of New Jersey Obligated Group, Series 1998, 5.125%, 7/01/25 | 1/08 at 10 |
| 12,005 | Total Nevada | |
| 4,350 | Director of Nevada State Department of Business and Industry, Revenue Bonds, Las Vegas Monorail Project, Second Tier, Series 2000, 7.375%, 1/01/40 | 1/10 at 10 |
| 1,485 | Clark County, Nevada, Local Improvement Bonds, Mountain S Edge Special Improvement District 142, Series 2003, 6.375%, 8/01/23 | 8/07 at 10 |
| 500 | Clark County, Nevada, Industrial Development Revenue Bonds, Nevada Power Company, Series 1997A, 5.900%, 11/01/32 (Alternative Minimum Tax) | 11/07 at 10 |
| 2,000 | Clark County, Nevada, Industrial Development Revenue Bonds, Nevada Power Company, Series 1995A, 5.600%, 10/01/30 (Alternative Minimum Tax) | 1/08 at 10 |
| 3,670 | Clark County, Nevada, Industrial Development Revenue Bonds, Nevada Power Company Project, Series 1995C, 5.500%, 10/01/30 | 1/08 at 10 |

5,500 North Carolina Capital Facilities Finance Agency, Solid Waste Facilities Revenue Bonds, Liberty Tire Services of North Carolina LLC, Series 2004A, 6.750%, 7/01/29 7/12 at 106

| Ohio 5.1% (3.5% of Total Investments) | |
|---|---|
| Belmont County, Ohio, Revenue Bonds, Ohio Valley Health Services and Education Corporation, | |
| Series 1998: | |
| 5.700%, 1/01/13 | 1/08 at 102 |
| 5.800%, 1/01/18 | 1/08 at 102 |
| Cleveland-Cuyahoga County Port Authority, Ohio, Development Revenue Bonds, Bond Fund Program [] Garfield Heights Project, Series 2004D, 5.250%, 5/15/23 | 5/14 at 102 |
| Ohio Water Development Authority, Solid Waste Disposal Revenue Bonds, Bay Shore Power, Series 1998A, 5.875%, 9/01/20 (Alternative Minimum Tax) | 9/08 at 102 |
| Ohio, Environmental Facilities Revenue Bonds, Ford Motor Company, Series 2005, 5.750%, 4/01/35 (Alternative Minimum Tax) | 4/15 at 100 |
| Toledo-Lucas County Port Authority, Ohio, Port Revenue Bonds, Cargill Inc., Series 2004A, 4.800%, 3/01/22 | 3/14 at 101 |
| Trumbull County, Ohio, Sewerage Disposal Revenue Bonds, General Motors Corporation, Series 1994, 6.750%, 7/01/14 (Alternative Minimum Tax) | No Opt. |
| Western Reserve Port Authority, Ohio, Solid Waste Facility Revenue Bonds, Central Waste Inc., Series 2007A, 6.350%, 7/01/27 (Alternative Minimum Tax) | 7/17 at 102 |
| Total Ohio | |
| Oklahoma 4.9% (3.4% of Total Investments) | |
| Okeene Municipal Hospital and Schallmo Authority, Oklahoma, Revenue Bonds, Series 2006, | 1/16 at 10 |
| | |
| | |
| 5.750%, 8/15/15 (Pre-refunded 8/15/09) | 8/09 at 10: |
| 5.625%, 8/15/29 (Pre-refunded 8/15/09) | 8/09 at 10 |
| Tulsa Industrial Authority, Oklahoma, Student Housing Revenue Bonds, University of Tulsa, Series 2006, 5.000%, 10/01/37 | 10/16 at 10 |
| Tulsa Municipal Airport Trust, Oklahoma, Revenue Bonds, American Airlines Inc., Series 1995, 6.250%, 6/01/20 | 12/07 at 10 |
| Tulsa Municipal Airport Trust, Oklahoma, Revenue Refunding Bonds, American Airlines Inc., Series 2004A, 7.750%, 6/01/35 (Mandatory put 12/01/14) | No Opt. |
| Total Oklahoma | |
| Pennsylvania 🛘 4.9% (3.3% of Total Investments) | |
| Allegheny County Hospital Development Authority, Pennsylvania, Revenue Bonds, West Penn | |
| Allegheny Health System, Series 2000B: | |
| | 11/10 at 10 |
| | 11/10 at 10 |
| 2005, 6.000%, 11/15/16 | No Opt |
| Berks County Industrial Development Authority, Pennsylvania, First Mortgage Revenue Bonds, One Douglassville Properties Project, Series 2007A, 6.125%, 11/01/34 (Alternative Minimum Tax) | 11/17 at 10 |
| Chester County Health and Education Facilities Authority, Pennsylvania, Revenue Bonds, Immaculata University, Series 2005, 5.750%, 10/15/37 | 10/15 at 10 |
| | Belmont County, Ohio, Revenue Bonds, Ohio Valley Health Services and Education Corporation, Series 1998: 5.700%, 1/01/13 5.800%, 1/01/18 Cleveland-Cuyahoga County Port Authority, Ohio, Development Revenue Bonds, Bond Fund Program [] Garfield Heights Project, Series 2004D, 5.250%, 5/15/23 Ohio Water Development Authority, Solid Waste Disposal Revenue Bonds, Bay Shore Power, Series 1998A, 5.875%, 9/01/20 (Alternative Minimum Tax) Ohio, Environmental Facilities Revenue Bonds, Ford Motor Company, Series 2005, 5.750%, 4/01/35 (Alternative Minimum Tax) Toledo-Lucas County Port Authority, Ohio, Port Revenue Bonds, Cargill Inc., Series 2004A, 4.800%, 3/01/22 Trumbull County, Ohio, Sewerage Disposal Revenue Bonds, General Motors Corporation, Series 1994, 6.750%, 7/01/14 (Alternative Minimum Tax) Western Reserve Port Authority, Ohio, Solid Waste Facility Revenue Bonds, Central Waste Inc., Series 2007A, 6.350%, 7/01/27 (Alternative Minimum Tax) Total Ohio Oklahoma [] 4.9% (3.4% of Total Investments) Okeene Municipal Hospital and Schallmo Authority, Oklahoma, Revenue Bonds, Series 2006, 7.000%, 1/01/35 Oklahoma Development Finance Authority, Revenue Refunding Bonds, Hillcrest Healthcare System, Series 1999A: 5.750%, 8/15/15 (Pre-refunded 8/15/09) Tulsa Industrial Authority, Oklahoma, Student Housing Revenue Bonds, University of Tulsa, Series 2006, 5.000%, 10/01/37 Tulsa Municipal Airport Trust, Oklahoma, Revenue Bonds, American Airlines Inc., Series 1995, 6.250%, 6/01/20 Tulsa Municipal Airport Trust, Oklahoma, Revenue Bonds, American Airlines Inc., Series 1995, 6.250%, 6/01/20 Tulsa Municipal Airport Trust, Oklahoma, Revenue Bonds, American Airlines Inc., Series 2004A, 7.750%, 6/01/35 (Mandatory put 12/01/14) Total Oklahoma Pennsylvania [] 4.9% (3.3% of Total Investments) Allegheny Health System, Series 2000B: 9.250%, 11/15/30 (Pre-refunded 11/15/10) Allegheny Health System, Series 2000B: 9.250%, 11/15/16 Pre-refunded 11/15/10) Allentown Area Hospital Development Authority, Pennsylvania, First Mortgage Revenue Bonds, |

| Edg | ar Filing: NUVEEN MUNICIPAL HIGH INCOME OPPORTUNITY FUND - Form N-Q | |
|--------|--|--------------|
| 500 | New Morgan Industrial Development Authority, Pennsylvania, Solid Waste Disposal Revenue Bonds, New Morgan Landfill Company Inc., Series 1994, 6.500%, 4/01/19 (Alternative Minimum Tax) | 10/07 at 100 |
| 400 | Pennsylvania Economic Development Financing Authority, Exempt Facilities Revenue Bonds, Reliant Energy Inc., Series 2002A, 6.750%, 12/01/36 (Alternative Minimum Tax) | 12/09 at 103 |
| 600 | Pennsylvania Economic Development Financing Authority, Exempt Facilities Revenue Bonds, Reliant Energy Inc., Series 2003A, 6.750%, 12/01/36 (Alternative Minimum Tax) | 12/09 at 103 |
| 4,000 | Pennsylvania Economic Development Financing Authority, Revenue Bonds, Amtrak 30th Street Station Parking Garage, Series 2002, 5.800%, 6/01/23 🛮 ACA Insured (Alternative Minimum Tax) | 6/12 at 102 |
| 16,150 | Total Pennsylvania | |
| | Rhode Island [] 1.3% (0.9% of Total Investments) | |
| 1,500 | Central Falls Detention Facility Corporation, Rhode Island, Detention Facility Revenue Bonds, Series 2005, 7.250%, 7/15/35 | 7/15 at 103 |
| 3,000 | Rhode Island Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed Bonds, Series 2002A, 6.250%, 6/01/42 | 6/12 at 100 |
| 4,500 | Total Rhode Island | |
| | South Carolina [] 0.2% (0.1% of Total Investments) | |
| 490 | Tobacco Settlement Revenue Management Authority, South Carolina, Tobacco Settlement Asset-Backed Bonds, Series 2001B, 6.375%, 5/15/30 | No Opt. |
| | Tennessee [] 1.7% (1.1% of Total Investments) | |
| 3,500 | Knox County Health, Educational and Housing Facilities Board, Tennessee, Hospital Revenue Bonds, Baptist Health System of East Tennessee Inc., Series 2002, 6.500%, 4/15/31 | 4/12 at 101 |
| 1,500 | Maury County Industrial Development Board, Tennessee, Multi-Modal Interchangeable Rate Pollution Control Revenue Refunding Bonds, Saturn Corporation, Series 1994, 6.500%, 9/01/24 | 9/07 at 100 |
| 1,000 | 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 |
| 6,000 | Total Tennessee | |
| | Texas [] 10.4% (7.0% of Total Investments) | |
| 2,000 | Austin Convention Enterprises Inc., Texas, Convention Center Hotel Revenue Bonds, First Tier Series 2001A, 9.750%, 1/01/26 | 1/11 at 100 |
| 2,705 | Dallas-Ft. Worth International Airport Facility Improvement Corporation, Texas, Revenue Bonds, American Airlines Inc., Series 1995, 6.000%, 11/01/14 | 11/07 at 100 |
| 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) Decatur Hospital Authority, Texas, Revenue Bonds, Wise Regional Health System, Series 2004A: | 11/12 at 100 |
| 1,840 | 7.000%, 9/01/25 | 9/14 at 100 |
| 6,600 | 7.125%, 9/01/34 | 9/14 at 100 |
| 585 | 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) | 4/12 at 100 |
| 1,000 | Heart of Texas Education Finance Corporation, Texas, Gateway Charter Academy, Series 2006A, 6.000%, 2/15/36 | 8/16 at 100 |
| | Houston Health Facilities Development Corporation, Texas, Revenue Bonds, Buckingham Senior | |

Living Community Inc., Series 2004A:

| 250 | 7.000%, 2/15/23 (Pre-refunded 2/15/14) | 2/14 at 101 |
|--------|---|--------------|
| 1,400 | 7.125%, 2/15/34 (Pre-refunded 2/15/14) | 2/14 at 101 |
| 2,020 | | 7/09 at 101 |
| | Series 1998B, 5.700%, 7/15/29 (Alternative Minimum Tax) | |
| 975 | Houston, Texas, Airport System Special Facilities Revenue Bonds, Continental Air Lines Inc., | 7/09 at 101 |
| | Series 1998C, 5.700%, 7/15/29 (Alternative Minimum Tax) | |
| | Houston, Texas, Airport System Special Facilities Revenue Bonds, Continental Air Lines Inc., | |
| | Series 2001E: | |
| 600 | 7.375%, 7/01/22 (Alternative Minimum Tax) | 7/11 at 101 |
| 5,350 | 6.750%, 7/01/29 (Alternative Minimum Tax) | 7/11 at 101 |
| 1,000 | La Vernia Education Financing Corporation, Texas, Charter School Revenue Bonds, Riverwalk | 8/11 at 100 |
| | Education Foundation, Series 2007A, 5.450%, 8/15/36 | |
| 500 | Mission Economic Development Corporation, Texas, Solid Waste Disposal Revenue Bonds, Allied | 4/12 at 100 |
| | Waste Industries, Inc., Series 2007A, 5.200%, 4/01/18 (Alternative Minimum Tax) | |
| 2,000 | Sea Breeze Public Facility Corporation, Texas, Multifamily Housing Revenue Bonds, Sea Breeze | 1/21 at 100 |
| | Senior Apartments, Series 2006, 6.500%, 1/01/46 (Alternative Minimum Tax) | |
| 5,785 | Texas Department of Housing and Community Affairs, Multifamily Housing Revenue Bonds, Humble | 7/21 at 100 |
| | Parkway Townhomes, Series 2004, 6.600%, 1/01/41 (Alternative Minimum Tax) | |
| 36,360 | Total Texas | |
| | Virgin Islands 2.40/ /1.60/ of Tabal Investments) | |
| 5 000 | Virgin Islands [] 2.4% (1.6% of Total Investments) Virgin Islands Public Finance Authority, Revenue Bonds, Refinery Project [] Hovensa LLC, Series | 1/14 at 100 |
| 3,000 | 2003, 6.125%, 7/01/22 (Alternative Minimum Tax) | 1/14 at 100 |
| 3 300 | Virgin Islands Public Finance Authority, Senior Secured Lien Revenue Bonds, Refinery Project | 7/14 at 100 |
| 3,333 | Hovensa LLC, Series 2004, 5.875%, 7/01/22 | 7,2 1 00 200 |
| 8,300 | Total Virgin Islands | |
| | Virginia ☐ 4.5% (3.0% of Total Investments) | |
| | Pocahontas Parkway Association, Virginia, Senior Lien Revenue Bonds, Route 895 Connector Toll | |
| | Road, Series 1998A: | |
| 2,000 | 0.000%, 8/15/14 (Pre-refunded 8/15/08) | 8/08 at 73 |
| 4,250 | 5.500%, 8/15/28 (Pre-refunded 8/15/08) | 8/08 at 102 |
| 1,850 | 0.000%, 8/15/30 (Pre-refunded 8/15/08) | 8/08 at 28 |
| | Pocahontas Parkway Association, Virginia, Senior Lien Revenue Bonds, Route 895 Connector Toll | |
| | Road, Series 1998B: | |
| 2,000 | 0.000%, 8/15/12 (Pre-refunded 8/15/08) | 8/08 at 82 |
| 3,000 | 0.000%, 8/15/15 (Pre-refunded 8/15/08) | 8/08 at 68 |
| 9,000 | 0.000%, 8/15/19 (Pre-refunded 8/15/08) | 8/08 at 54 |
| 605 | Rockbridge County Industrial Development Authority, Virginia, Horse Center Revenue Bonds, | 7/11 at 105 |
| | Series 2001A, 7.400%, 7/15/21 (Pre-refunded 7/15/11) | |
| 950 | Rockbridge County Industrial Development Authority, Virginia, Horse Center Revenue Refunding | 7/11 at 105 |
| | Bonds, Series 2001C, 6.850%, 7/15/21 (Pre-refunded 7/15/11) | |
| 23,655 | Total Virginia | |
| | | |

| 3,0 | Washington ☐ 3.5% (2.3% of Total Investments) Skagit County Public Hospital District 1, Washington, Revenue Bonds, Skagit Valley Hospital, Series 2003, 6.000%, 12/01/18 Vancouver Downtown Redevelopment Authority, Washington, Revenue Bonds, Conference Center Project, Series 2003A: | 12/13 at 100 |
|----------|--|--------------|
| 1,7 | | 1/14 at 100 |
| 4,7 | | 1/14 at 100 |
| 2,5 | 00 5.250%, 1/01/34 [] ACA Insured | 1/14 at 100 |
| 11,9 | 75 Total Washington | |
| | Wisconsin ☐ 5.5% (3.7% of Total Investments) | |
| 5 | 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 |
| | Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Aurora Health Care Inc., Series 1999A: | |
| 9,4 | 35 5.600%, 2/15/29 | 2/09 at 101 |
| 2,3 | 00 5.600%, 2/15/29 [] ACA Insured | 2/09 at 101 |
| | Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Southwest Health Center | |
| | Inc., Series 2004A: | |
| 8 | 75 6.125%, 4/01/24 | 4/14 at 100 |
| 1,0 | 00 6.250%, 4/01/34 | 4/14 at 100 |
| 5,0 | Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Wheaton Franciscan Services Inc., Series 2002, 5.750%, 8/15/30 (Pre-refunded 2/15/12) | 2/12 at 101 |
| | Services IIIc., Series 2002, 3.730%, 6/13/30 (Fre-retunded 2/13/12) | |
| 19,2 | LO Total Wisconsin | |
| \$ 525,8 | 35 Total Investments (cost \$506,891,333) [] 147.9% | |
| | Floating Rate Obligations [] (5.8)% | |
| | Other Assets Less Liabilities [] 0.4% | |
| | Preferred Shares, at Liquidation Value [] (42.5)% | |
| | Net Assets Applicable to Common Shares 100% | |

The Fund may invest in <code>||zero coupon||</code> securities. A zero coupon security does not pay a regular interest coupon to its holders during the life of the security. Tax-exempt income to the holder of the security comes from accretion of the difference between the original purchase price of the security at issuance and the par value of the security at maturity and is effectively paid at maturity. Such securities are included in the portfolio with a 0.00% coupon rate in their description. The market prices of zero coupon securities generally are more volatile than the market prices of securities that pay interest periodically.

(1) All percentages shown in the Portfolio of Investments are based on net assets applicable to Common shares unless otherwise noted.

- (2) Optional Call Provisions: Dates (month and year) and prices of 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.
- (3) Ratings: Using the higher of Standard & Poor's or Moody's rating. Ratings below BBB by Standard & Poor's Group or Baa by Moody's Investor Service, Inc. are considered to be below investment grade.
- (4) Backed by an escrow or trust containing sufficient U.S. 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.
- (5) Non-income producing security, in the case of a bond, generally denotes that the issuer has defaulted on the payment of principal or interest or has filed for bankruptcy.
- (6) The issuer has received a formal adverse determination from the Internal Revenue Service (the <code>[IRS]]</code>) regarding the tax-exempt status of the bonds coupon payments. The Fund will continue to treat coupon payments as tax-exempt income until such time that it is formally determined that the interest on the bonds should be treated as taxable.
- N/R Not rated.
- WI/DD Purchased on a when-issued or delayed delivery basis.
- (ETM) Escrowed to maturity.
 - (IF) Inverse floating rate investment.
- (UB) Underlying bond of an inverse floating rate trust reflected as a financing transaction pursuant to the provisions of SFAS No. 140.

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 the treatment of paydown gains and losses, 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 transactions subject to SFAS No. 140.

At July 31, 2007, the cost of investments was \$484,239,662.

Gross unrealized appreciation and gross unrealized depreciation of investments at July 31, 2007, were as follows:

| Gross unrealized: | |
|---|--------------|
| Appreciation | \$36,299,587 |
| Depreciation | (2,418,523) |
| Net unrealized appreciation (depreciation) of investments | \$33,881,064 |

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: 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 Mur | nicipal High Income Opportunity Fund |
|---------------------------------|---|
| By (Signature and Title)* | /s/ Kevin J. McCarthy Kevin J. McCarthy Vice President and Secretary |
| Date September 28, 2007 | <u>, </u> |
| | of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed as 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 September 28, 2007 | <u>, </u> |
| By (Signature and Title)* | /s/ Stephen D. Foy Stephen D. Foy Vice President and Controller (principal financial officer) |
| Date September 28, 2007 | <u>—</u> |
| * Drint the name and title of a | och signing officer under his er her signeture |

SIGNATURES 16

Print the name and title of each signing officer under his or her signature.