

BLACKROCK MUNIHOLDINGS NEW YORK QUALITY FUND, INC.

Form N-Q

January 28, 2011

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-Q

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

Investment Company Act file number 811-08217

Name of Fund: BlackRock MuniHoldings New York Quality Fund, Inc. (MHN)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Anne F. Ackerley, Chief Executive Officer, BlackRock
MuniHoldings New York Quality Fund, Inc., 55 East 52nd Street, New York, NY 10055

Registrant's telephone number, including area code: (800) 882-0052, Option 4

Date of fiscal year end: 08/31/2011

Date of reporting period: 11/30/2010

Item 1 Schedule of Investments

Schedule of Investments November 30, 2010 (Unaudited)

BlackRock MuniHoldings New York Quality Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|--|--------------|--------------|
| Municipal Bonds | | |
| New York 117.0% | | |
| Corporate 5.8% | | |
| New York City Industrial Development Agency, Refunding RB, Terminal One Group Association Project, AMT, 5.50%, 1/01/24 (a) | \$ 1,500 | \$ 1,514,475 |
| New York Liberty Development Corp., RB, Goldman Sachs Headquarters, 5.25%, 10/01/35 | 1,500 | 1,499,895 |
| New York State Energy Research & Development Authority, RB, Lilco Project, Series A (NPFGC), 5.15%, 3/01/16 | 2,000 | 2,034,860 |
| New York State Energy Research & Development Authority, Refunding RB, Brooklyn Union Gas/Keyspan, Series A, AMT (FGIC), 4.70%, 2/01/24 | 7,340 | 7,325,247 |
| Suffolk County Industrial Development Agency New York, RB, KeySpan, Port Jefferson, AMT, 5.25%, 6/01/27 | 4,355 | 4,187,681 |
| Suffolk County Industrial Development Agency New York, Refunding RB, Ogden Martin System Huntington, AMT (AMBAC): | | |
| 6.15%, 10/01/11 | 5,000 | 5,203,150 |
| 6.25%, 10/01/12 | 3,530 | 3,808,164 |
| | | 25,573,472 |
| County/City/Special District/School District 34.2% | | |
| Amherst Development Corp., RB, University at Buffalo Foundation Faculty-Student Housing Corp., Series A (AGM), 4.63%, 10/01/40 | 4,975 | 4,712,867 |

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Hudson Yards Infrastructure Corp., RB,

Series A:

| | | |
|---|--------|------------|
| 5.00%, 2/15/47 | 2,150 | 2,079,007 |
| (FGIC), 5.00%, 2/15/47 | 8,250 | 7,977,585 |
| (NPFGC), 4.50%, 2/15/47 | 14,505 | 13,380,137 |
| New York City Industrial Development Agency, RB, PILOT: | | |
| CAB, Yankee Stadium (AGC), 6.52%, 3/01/39 (b) | 1,380 | 261,151 |
| Queens Baseball Stadium (AGC), 6.38%, 1/01/39 | 800 | 866,304 |
| Queens Baseball Stadium (AMBAC), 5.00%, 1/01/31 | 3,500 | 3,174,010 |

| Municipal Bonds | Par (000) | Value |
|--|--------------|---------------|
| New York (continued) | | |
| County/City/Special District/School District (continued) | | |
| New York City Industrial Development Agency, RB, PILOT(concluded): | | |
| Queens Baseball Stadium (AMBAC), 5.00%, 1/01/36 | \$ 12,740 | \$ 11,157,565 |
| Queens Baseball Stadium (AMBAC), 5.00%, 1/01/39 | 4,000 | 3,469,560 |
| Queens Baseball Stadium (AMBAC), 5.00%, 1/01/46 | 7,050 | 6,013,227 |
| Yankee Stadium (FGIC), 5.00%, 3/01/46 | 9,500 | 9,016,070 |
| Yankee Stadium (NPFGC), 5.00%, 3/01/36 | 3,450 | 3,301,926 |
| New York City Transitional Finance Authority, RB: | | |
| Fiscal 2008, Series S-1, 4.50%, 1/15/38 | 1,510 | 1,461,650 |
| Fiscal 2009, Series S-1 (AGC), 5.50%, 7/15/38 | 4,000 | 4,263,520 |
| Fiscal 2009, Series S-4 (AGC), 5.50%, 1/15/39 | 1,250 | 1,336,850 |
| Future Tax Secured, Series C (FGIC), | | |

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| | | |
|--|--------|------------|
| 5.00%, 2/01/33 | 10,000 | 10,069,200 |
| Future Tax Secured, Series E (NPFGC), 5.25%, 2/01/22 | 2,500 | 2,674,225 |
| Series B (NPFGC), 5.50%, 2/01/12 (c) | 1,145 | 1,166,045 |
| Series B (NPFGC), 5.50%, 2/01/13 | 110 | 112,003 |
| Series B (NPFGC), 5.50%, 2/01/13 (c) | 695 | 707,774 |
| Series S-2 (AGM), 5.00%, 1/15/37 | 3,750 | 3,807,075 |
| Series S-2 (NPFGC), 4.25%, 1/15/34 | 4,830 | 4,542,132 |
| New York City Transitional Finance Authority, Refunding RB, Series A (FGIC), 5.00%, 11/15/26 | 1,000 | 1,047,050 |
| New York Convention Center Development Corp., RB, Hotel Unit Fee Secured (AMBAC): | | |
| 5.00%, 11/15/30 | 2,100 | 2,097,312 |
| 5.00%, 11/15/35 | 20,500 | 20,098,405 |
| 5.00%, 11/15/44 | 4,955 | 4,820,719 |

Portfolio Abbreviations

To simplify the listings of portfolio holdings in the Schedule of Investments, the names and descriptions of many of the securities have been abbreviated

according to the following list:

| | | | |
|-------|---|--------|---|
| ACA | ACA Financial Guaranty Corp. | FGIC | Financial Guaranty Insurance Co. |
| AGC | Assured Guaranty Corp. | FHA | Federal Housing Administration |
| AGM | Assured Guaranty Municipal Corp. | GO | General Obligation Bonds |
| AMBAC | American Municipal Bond Assurance Corp. | HFA | Housing Finance Agency |
| AMT | Alternative Minimum Tax (subject to) | MRB | Mortgage Revenue Bonds |
| BHAC | Berkshire Hathaway Assurance Corp. | NPFGC | National Public Finance Guarantee Corp. |
| BOCES | Board of Cooperative Educational Services | PILOT | Payment in Lieu of Taxes |
| CAB | Capital Appreciation Bonds | RB | Revenue Bonds |
| CIFG | CDC IXIS Financial Guaranty | SBPA | Stand-by Bond Purchase Agreement |
| ERB | Education Revenue Bonds | SONYMA | State of New York Mortgage Agency |

BLACKROCK MUNIHOLDINGS NEW YORK QUALITY FUND, INC.

NOVEMBER 30, 2010

Schedule of Investments^(continued)

BlackRock MuniHoldings New York Quality Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|--|--------------|--------------|
| Municipal Bonds | | |
| New York (continued) | | |
| County/City/Special District/School District (concluded) | | |
| New York State Dormitory Authority, Refunding RB, School Districts Financing Program, Series A (AGM), 5.00%, 10/01/35 | \$ 5,000 | \$ 5,061,100 |
| Oneida-Herkimer Solid Waste Management Authority New York, Refunding RB (AGM), 5.50%, 4/01/13 | 1,800 | 1,981,044 |
| Sales Tax Asset Receivable Corp., RB, Series A (AMBAC), 5.00%, 10/15/32 | 14,175 | 14,536,179 |
| Syracuse Industrial Development Agency New York, RB, Carousel Center Project, Series A, AMT (Syncora), 5.00%, 1/01/36 | 5,350 | 4,478,646 |
| | | 149,670,338 |
| Education 12.1% | | |
| City of Troy New York, Refunding RB, Rensselaer Polytechnic, Series A, 5.13%, 9/01/40 | 4,050 | 4,022,136 |
| Madison County Industrial Development Agency New York, RB, Colgate University Project, Series A (AMBAC), 5.00%, 7/01/30 | 4,000 | 4,083,560 |
| New York City Industrial Development Agency, Refunding RB: Nightingale-Bamford School (AMBAC), 5.25%, 1/15/17 | 1,200 | 1,280,868 |
| Polytechnic University Project (ACA), 5.25%, 11/01/37 | 1,500 | 1,435,410 |
| New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-4 | | |

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| | | |
|---|-------|------------|
| (AGC), 5.50%, 1/15/33 | 3,000 | 3,233,850 |
| New York State Dormitory Authority, RB: Mount Sinai School of Medicine, 5.13%, 7/01/39 | 1,000 | 987,390 |
| Mount Sinai School of Medicine at NYU (NPFGC), 5.00%, 7/01/35 | 5,100 | 5,071,185 |
| The New School (AGM), 5.50%, 7/01/43 (d) | 5,475 | 5,634,980 |
| New York University, Series 1 (AMBAC), 5.50%, 7/01/40 | 3,500 | 3,855,635 |
| Siena College, 5.13%, 7/01/39 | 1,345 | 1,339,929 |
| Schenectady County Industrial Development Agency, Refunding RB, Union College Project, Series A (AMBAC), 5.63%, 7/01/11 (c) | 3,000 | 3,154,470 |
| Trust for Cultural Resources, RB, Carnegie Hall, Series A: 4.75%, 12/01/39 | 3,150 | 3,053,547 |
| 5.00%, 12/01/39 | 1,850 | 1,856,660 |
| Trust for Cultural Resources, Refunding RB, American Museum of Natural History, Series A (NPFGC), 5.00%, 7/01/36 | 6,800 | 6,898,260 |
| Westchester County Industrial Development Agency New York, RB, Purchase College Foundation Housing, Series A (AMBAC), 5.75%, 12/01/31 | 7,000 | 7,000,000 |
| | | 52,907,880 |

| | Par | Value |
|---|----------|--------------|
| Municipal Bonds | (000) | |
| New York (continued) | | |
| Health 8.7% | | |
| Monroe County Industrial Development Corp., RB, Unity Hospital of Rochester Project (FHA), 5.50%, 8/15/40 | \$ 3,925 | \$ 4,140,954 |
| New York City Health & Hospital Corp., Refunding RB, Health System, Series A, 5.00%, 2/15/30 | 3,200 | 3,263,680 |

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| | | |
|--|-------|------------|
| New York City Industrial Development Agency, RB, Royal Charter, New York Presbyterian (AGM), 5.75%, 12/15/29 | 7,965 | 8,410,243 |
| New York State Dormitory Authority, MRB, Montefiore Hospital (NPFGC), 5.00%, 8/01/33 | 1,000 | 1,000,300 |
| New York State Dormitory Authority, RB: Gustavus Adolphus Child & Family Services, Inc., Series B (AMBAC), 5.50%, 7/01/18 | 1,852 | 1,867,075 |
| Hudson Valley Hospital (BHAC), 5.00%, 8/15/36 | 5,000 | 5,119,800 |
| New York & Presbyterian Hospital (AGM), 5.25%, 2/15/31 | 1,500 | 1,545,675 |
| New York & Presbyterian Hospital (AGM), 5.00%, 8/15/36 | 4,000 | 4,013,120 |
| New York State Rehabilitation Association, Series A (CIFG), 5.25%, 7/01/19 | 1,180 | 1,212,934 |
| New York State Rehabilitation Association, Series A (CIFG), 5.13%, 7/01/23 | 1,000 | 1,003,910 |
| North Shore-Long Island Jewish Health System, Series A, 5.50%, 5/01/37 | 1,825 | 1,854,401 |
| New York State Dormitory Authority, Refunding RB: St. Charles Hospital & Rehabilitation Center, Series A (NPFGC), 5.63%, 7/01/12 | 3,400 | 3,426,894 |
| St. Luke's Roosevelt Hospital (FHA), 4.90%, 8/15/31 | 1,000 | 1,024,410 |
| | | 37,883,396 |
| Housing 5.1% | | |
| New York City Housing Development Corp., RB, AMT: Series A-1-A, 5.00%, 11/01/30 | 750 | 714,510 |
| Series A-1-A, 5.45%, 11/01/46 | 1,335 | 1,257,810 |
| Series C, 5.00%, 11/01/26 | 1,250 | 1,257,087 |
| Series C, 5.05%, 11/01/36 | 2,000 | 1,850,420 |

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| | | |
|--|-------|-----------|
| Series H-1, 4.70%, 11/01/40 | 1,000 | 919,110 |
| Series H-2-A, 5.20%, 11/01/35 | 835 | 793,601 |
| Series H-2-A, 5.35%, 5/01/41 | 600 | 566,490 |
| New York Mortgage Agency, RB, Series 145, AMT, 5.13%, 10/01/37 | 1,000 | 987,720 |
| New York Mortgage Agency, Refunding RB: Homeowner Mortgage, Series 67, AMT (NPFGC), 5.70%, 10/01/17 | 2,140 | 2,142,868 |
| Homeowner Mortgage, Series 83 (NPFGC), 5.55%, 10/01/27 | 2,100 | 2,101,239 |
| Homeowner Mortgage, Series 97, AMT, 5.50%, 4/01/31 | 805 | 805,644 |
| Series 133, AMT, 4.95%, 10/01/21 | 685 | 698,330 |

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NOVEMBER 30, 2010

Schedule of Investments^(continued)

BlackRock MuniHoldings New York Quality Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|--|--------------|------------|
| Municipal Bonds | | |
| New York (continued) | | |
| Housing (concluded) | | |
| New York Mortgage Agency, Refunding RB (concluded): | | |
| Series 143, AMT, 4.90%, 10/01/37 | \$ 950 | \$ 907,630 |
| Series 143, AMT (NPFGC), 4.85%, 10/01/27 | 2,000 | 1,997,140 |
| Series 82, AMT (NPFGC), 5.65%, 4/01/30 | 815 | 815,302 |
| New York State HFA, RB, St. Philip's Housing, Series A, AMT (Fannie Mae), 4.65%, 11/15/38 | 1,000 | 969,100 |
| Yonkers Economic Development Corp., Refunding RB, Riverview II (Freddie Mac), 4.50%, 5/01/25 | 1,500 | 1,488,945 |
| Yonkers Industrial Development Agency New York, RB, Monastery Manor Associates LP Project, AMT (SONYMA), 5.25%, 4/01/37 | 2,000 | 1,896,120 |
| | | 22,169,066 |
| State 9.4% | | |
| New York State Dormitory Authority, RB: Master BOCES Program Lease (AGC), 5.00%, 8/15/28 | 250 | 259,638 |
| Mental Health Facilities, Series B, 5.25%, 2/15/14 (c) | 1,550 | 1,749,314 |
| Mental Health Services Facilities Improvement, Series B (AGM), 5.00%, 2/15/33 | 4,500 | 4,656,735 |
| Mental Health Services Facilities, Series C, AMT (AGM), 5.40%, 2/15/33 | 5,650 | 5,606,156 |
| School Districts Financing Program, | | |

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| | | |
|---|-----------|------------|
| Series A (AGM), 5.00%, 10/01/35 School Districts Financing Program, | 450 | 454,901 |
| Series C (AGM), 5.00%, 10/01/37 School Districts Financing Program, | 2,500 | 2,518,550 |
| Series D (NPFGC), 5.00%, 10/01/30 School Districts Financing Program, | 1,240 | 1,246,386 |
| Series E (NPFGC), 5.75%, 10/01/30 New York State Dormitory Authority, Refunding RB, Secured Hospital, North General Hospital (Syncora), 5.75%, 2/15/17 | 6,900 | 7,305,720 |
| 2,000 | 2,065,520 | |
| New York State Thruway Authority, RB: Second General, Series B, 5.00%, 4/01/27 | 1,000 | 1,050,690 |
| Series A (AMBAC), 5.00%, 4/01/26 New York State Urban Development Corp., RB (NPFGC): Personal Income Tax, Series C-1, 5.00%, 3/15/13 (c) | 8,700 | 9,092,631 |
| 3,000 | 3,278,760 | |
| State Personal Income Tax, State Facilities, Series A-1, 5.00%, 3/15/29 | 2,000 | 2,028,680 |
| | | 41,313,681 |

| | Par (000) | Value |
|--|--------------|--------------|
| Municipal Bonds | | |
| New York (continued) | | |
| Tobacco 4.9% | | |
| Tobacco Settlement Financing Corp. New York, RB, Asset-Backed, Series A-1 (AMBAC): 5.25%, 6/01/20 | \$ 5,000 | \$ 5,361,150 |
| 5.25%, 6/01/21 | 13,275 | 14,120,485 |
| 5.25%, 6/01/22 | 2,000 | 2,091,460 |
| | | 21,573,095 |
| Transportation 24.5% | | |
| Hudson Yards Infrastructure Corp., RB: (AGC), 5.00%, 2/15/47 | 7,370 | 301,303 |

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| | | |
|---|--------|------------|
| Series A (AGC), 5.00%, 2/15/47 | 305 | 8,693,344 |
| Series A (AGM), 5.00%, 2/15/47 | 8,800 | 7,280,676 |
| Metropolitan Transportation Authority, RB: | | |
| Series 2008C, 6.50%, 11/15/28 | 6,015 | 6,794,965 |
| Transportation, Series A (NPFGC), 5.00%, 11/15/32 | 1,100 | 1,095,622 |
| Metropolitan Transportation Authority, Refunding RB: | | |
| Series A, 5.13%, 1/01/29 | 1,150 | 1,160,097 |
| Series A (NPFGC), 5.25%, 11/15/31 | 2,500 | 2,522,150 |
| Series C (AGM), 4.75%, 7/01/12 (c) | 2,535 | 2,704,997 |
| Transportation, Series F (NPFGC), 5.25%, 11/15/12 (c) | 6,300 | 6,873,993 |
| New York State Thruway Authority, RB: | | |
| Series F (AMBAC), 5.00%, 1/01/30 | 5,000 | 5,077,250 |
| Series G (AGM), 4.75%, 1/01/29 | 1,250 | 1,275,750 |
| Series G (AGM), 4.75%, 1/01/30 | 1,000 | 1,016,850 |
| Series G (AGM), 5.00%, 1/01/32 | 5,225 | 5,329,813 |
| Niagara Falls Bridge Commission, Refunding RB, Bridge System, | | |
| Series A (AGC), 4.00%, 10/01/19 | 2,600 | 2,774,382 |
| Port Authority of New York & New Jersey, RB: | | |
| Consolidated, 116th Series, 4.13%, 9/15/32 | 2,685 | 2,548,441 |
| Consolidated, 161st Series, 4.50%, 10/15/37 | 1,000 | 977,070 |
| Special Project, JFK International Air Terminal, Series 6, AMT (NPFGC), 6.25%, 12/01/11 | 3,000 | 3,075,510 |
| Special Project, JFK International Air Terminal, Series 6, AMT (NPFGC), 6.25%, 12/01/15 | 7,830 | 8,365,494 |
| Special Project, JFK International Air Terminal, Series 6, AMT (NPFGC), 5.90%, 12/01/17 | 4,000 | 4,020,480 |
| Special Project, JFK International Air Terminal, Series 6, AMT (NPFGC), 5.75%, 12/01/22 | 26,725 | 26,637,342 |

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Triborough Bridge & Tunnel

Authority, RB:

Sub-Series A (NPFGC), 5.25%,

| | | |
|----------|-------|-----------|
| 11/15/30 | 6,000 | 6,352,020 |
|----------|-------|-----------|

Subordinate Bonds (AMBAC),

| | | |
|-----------------|-------|-----------|
| 5.00%, 11/15/28 | 2,465 | 2,526,822 |
|-----------------|-------|-----------|

| | | |
|--|--|-------------|
| | | 107,404,371 |
|--|--|-------------|

BLACKROCK MUNIHOLDINGS NEW YORK QUALITY FUND, INC.

NOVEMBER 30, 2010

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Schedule of Investments^(continued)

BlackRock MuniHoldings New York Quality Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| New York (concluded) | | |
| Utilities 12.3% | | |
| Long Island Power Authority, RB, Series A (AMBAC), 5.00%, 9/01/29 | \$ 3,000 | \$ 3,030,420 |
| Long Island Power Authority, Refunding RB: General, Series A (AGC), 6.00%, 5/01/33 | 1,500 | 1,672,860 |
| General, Series B (AGM), 5.00%, 12/01/35 | 3,500 | 3,545,325 |
| Series A (AGC), 5.75%, 4/01/39 | 1,000 | 1,084,580 |
| New York City Municipal Water Finance Authority, RB: Series A (AMBAC), 5.00%, 6/15/35 | 3,500 | 3,529,610 |
| Series A (NPFGC), 5.75%, 6/15/11 (c) | 23,000 | 23,680,800 |
| Series DD (AGM), 4.50%, 6/15/39 | 2,500 | 2,410,400 |
| New York City Municipal Water Finance Authority, Refunding RB: Fiscal 2004, Series C (NPFGC), 5.00%, 6/15/35 | 1,000 | 1,008,690 |
| Series A (AGM), 4.25%, 6/15/39 | 2,200 | 2,038,102 |
| Series A (NPFGC), 5.13%, 6/15/34 | 1,250 | 1,285,462 |
| Series F (AGM), 5.00%, 6/15/29 | 500 | 502,055 |
| New York State Environmental Facilities Corp., RB, Long Island Water Corp. Project, Series A, AMT (NPFGC), 4.90%, 10/01/34 | 6,000 | 5,471,160 |
| New York State Environmental Facilities Corp., Refunding RB, Spring Valley Water Co., Series B (AMBAC), 6.15%, 8/01/24 | 4,400 | 4,418,304 |
| | | 53,677,768 |
| Total Municipal Bonds in New York | | 512,173,067 |

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| | | |
|---|----------|--------------|
| Guam 1.6% | | |
| Transportation 1.1% | | |
| Guam International Airport Authority, Refunding RB, General, Series C, AMT (NPFGC): | | |
| 5.25%, 10/01/21 | 3,700 | 3,707,326 |
| 5.25%, 10/01/22 | 1,050 | 1,051,354 |
| | | 4,758,680 |
| Utilities 0.5% | | |
| Guam Power Authority, Refunding RB, Series A (AGM), 5.00%, 10/01/37 | | |
| | 2,400 | 2,317,344 |
| Total Municipal Bonds in Guam | | 7,076,024 |
| Puerto Rico 18.2% | | |
| County/City/Special District/School | | |
| District 0.8% | | |
| Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A (AGM), 5.00%, 8/01/40 | | |
| | 1,905 | 1,875,892 |
| Puerto Rico Sales Tax Financing Corp., Refunding RB, CAB, Series A (NPFGC), 5.77%, 8/01/41 (b) | | |
| | 11,000 | 1,586,200 |
| | | 3,462,092 |
| Housing 0.7% | | |
| Puerto Rico Housing Finance Authority, Refunding RB, Subordinate, Capital Fund Modernization, 5.13%, 12/01/27 | | |
| | 3,000 | 3,034,350 |
| | Par | |
| Municipal Bonds | (000) | Value |
| Puerto Rico (continued) | | |
| State 7.5% | | |
| Commonwealth of Puerto Rico, GO, Refunding: | | |
| Public Improvement, Series A (NPFGC), 5.50%, 7/01/20 | | |
| | \$ 1,970 | \$ 2,095,903 |
| Public Improvement, Series A (NPFGC), 5.50%, 7/01/21 | | |
| | 3,000 | 3,175,110 |
| Public Improvement, Series A-4 (AGM), 5.25%, 7/01/30 | | |
| | 1,400 | 1,428,504 |
| Sub-Series C-7 (NPFGC), 6.00%, | | |

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| | | |
|---|--------|------------|
| 7/01/27 | 2,000 | 2,110,680 |
| Sub-Series C-7 (NPFGC), 6.00%, | | |
| 7/01/28 | 4,000 | 4,195,720 |
| Puerto Rico Commonwealth | | |
| Infrastructure Financing Authority, RB, | | |
| CAB, Series A (b): | | |
| (AMBAC), 4.66%, 7/01/34 | 9,300 | 1,942,119 |
| (AMBAC), 4.67%, 7/01/37 | 2,200 | 364,628 |
| (FGIC), 4.62%, 7/01/31 | 10,280 | 2,720,499 |
| (FGIC), 4.66%, 7/01/33 | 5,500 | 1,246,355 |
| Puerto Rico Convention Center | | |
| Authority, RB, Series A (AMBAC), | | |
| 5.00%, 7/01/31 | 3,270 | 3,151,789 |
| Puerto Rico Highway & Transportation | | |
| Authority, Refunding RB, Series CC | | |
| (AGM): | | |
| 5.50%, 7/01/31 | 4,000 | 4,239,160 |
| 5.25%, 7/01/32 | 2,000 | 2,044,180 |
| Puerto Rico Public Buildings Authority, | | |
| Refunding RB, Government Facilities, | | |
| Series M-3 (NPFGC), 6.00%, 7/01/28 | 2,500 | 2,622,325 |
| Puerto Rico Sales Tax Financing Corp., | | |
| RB, First Sub-Series A, 5.75%, | | |
| 8/01/37 | 1,000 | 1,031,570 |
| Puerto Rico Sales Tax Financing Corp., | | |
| Refunding RB, CAB, Series A (NPFGC), | | |
| 6.00%, 8/01/43 (b) | 3,500 | 438,935 |
| | | 32,807,477 |
| Transportation 6.6% | | |
| Puerto Rico Highway & Transportation | | |
| Authority, RB: | | |
| Series Y (AGM), 6.25%, 7/01/21 | 5,025 | 5,592,121 |
| Subordinate (FGIC), 5.25%, | | |
| 7/01/17 | 4,800 | 4,928,160 |
| Puerto Rico Highway & Transportation | | |
| Authority, Refunding RB: | | |
| Series AA-1 (AGM), 4.95%, 7/01/26 | 2,100 | 2,117,472 |
| Series CC (AGM), 5.25%, 7/01/33 | 1,000 | 1,017,240 |
| Series CC (AGM), 5.25%, 7/01/34 | 870 | 880,571 |
| Series CC (AGM), 5.25%, 7/01/36 | 3,750 | 3,786,788 |
| Series D, 5.75%, 7/01/12 (c) | 10,000 | 10,783,500 |

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29,105,852

Utilities 2.6%

Puerto Rico Aqueduct & Sewer Authority,

RB, Senior Lien, Series A (AGC),

5.13%, 7/01/47

9,425

9,452,804

Puerto Rico Electric Power Authority, RB,

Series NN, 5.13%, 7/01/13 (c)

940

1,045,383

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NOVEMBER 30, 2010

Schedule of Investments^(continued)

BlackRock MuniHoldings New York Quality Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| Puerto Rico (concluded) | | |
| Utilities (concluded) | | |
| Puerto Rico Electric Power Authority, Refunding RB, Series VV (NPFGC), 5.25%, 7/01/30 | \$ 1,000 | \$ 1,012,200 |
| | | 11,510,387 |
| Total Municipal Bonds in Puerto Rico | | 79,920,158 |
| Total Municipal Bonds 136.8% | | 599,169,249 |
| Municipal Bonds Transferred to Tender | | |
| Option Bond Trusts (e) | | |
| New York 31.5% | | |
| County/City/Special District/School District 7.7% | | |
| City of New York New York, GO: Series J, 5.00%, 5/15/23 | 6,800 | 7,234,996 |
| Sub-Series C-3 (AGC), 5.75%, 8/15/28 | 10,000 | 11,124,800 |
| New York State Dormitory Authority, RB, State University Dormitory Facilities, Series A, 5.25%, 7/01/29 | 5,000 | 5,508,150 |
| Sales Tax Asset Receivable Corp., RB, Series A (AMBAC): 5.25%, 10/15/27 | 4,750 | 5,038,847 |
| 5.00%, 10/15/32 | 4,750 | 5,038,848 |
| | | 33,945,641 |
| Education 1.3% | | |
| New York State Dormitory Authority, RB, New York University, Series A, 5.00%, 7/01/38 | 5,498 | 5,588,413 |
| State 1.2% | | |
| New York State Dormitory Authority, ERB, Series B, 5.75%, 3/15/36 | 5,000 | 5,312,000 |
| Transportation 19.7% | | |

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| | | |
|--|--------------|---------------------------|
| Metropolitan Transportation Authority, RB, Series A (NPFGC), 5.00%, 11/15/31 | 7,002 | 7,208,733 |
| Metropolitan Transportation Authority, Refunding RB, Series A (AGM): 5.00%, 11/15/30 | 5,010 | 5,018,216 |
| 5.75%, 11/15/32 | 29,000 | 29,655,690 |
| New York State Thruway Authority, RB, Series G (AGM), 5.00%, 1/01/32 | 12,000 | 12,240,720 |
| New York State Thruway Authority, Refunding RB, Series H (AGM), 5.00%, 1/01/37 | 8,500 | 8,595,625 |
| Port Authority of New York & New Jersey, RB, Consolidated, 155th Series, AMT (AGM), 5.13%, 7/15/30 | 2,500 | 2,537,025 |
| Triborough Bridge & Tunnel Authority, Refunding RB (NPFGC): 5.25%, 11/15/23 | 12,000 | 12,599,160 |
| 5.00%, 11/15/32 | 8,309 | 8,430,960 |
| | | 86,286,129 |
| Utilities 1.6% | | |
| New York City Municipal Water Finance Authority, RB: Fiscal 2009, Series A, 5.75%, 6/15/40 | 4,004 | 4,347,742 |
| | | |
| Municipal Bonds Transferred to Tender Option Bond Trusts (e) | Par (000) | Value |
| New York (concluded) | | |
| Utilities (concluded) | | |
| New York City Municipal Water Finance Authority, RB (concluded): Series FF-2, 5.50%, 6/15/40 | \$ 2,399 | \$ 2,571,438 6,919,180 |
| Total Municipal Bonds Transferred to Tender Option Bond Trusts 31.5% | | 138,051,364 |
| Total Long-Term Investments (Cost \$735,950,352) 168.3% | | 737,220,613 |
| Short-Term Securities | | |
| New York 0.1% | | |

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City of New York New York, GO,
 VRDN, Sub-Series A-6 (AGM
 Insurance, Dexia Credit Local
 SBPA), 0.30%, 11/01/26 (f)

375 375,000

Shares

Money Market Fund 2.9%

| | | |
|--|------------|----------------|
| BIF New York Municipal Money Fund, 0.37% (g)(h) | 12,650,439 | 12,650,439 |
| Total Short-Term Securities (Cost \$13,025,439) 3.0% | | 13,025,439 |
| Total Investments (Cost \$748,975,791*) 171.3% | | 750,246,052 |
| Other Assets Less Liabilities 0.7% | | 3,036,988 |
| Liability for Trust Certificates, Including Interest Expense and Fees Payable (16.4)% | | (71,753,032) |
| Preferred Shares, at Redemption Value (55.6)% | | (243,639,871) |
| Net Assets Applicable to Common Shares 100.0% | | \$ 437,890,137 |

* The cost and unrealized appreciation (depreciation) of investments as of November 30, 2010, as computed for federal income tax purposes, were as follows:

| | |
|-------------------------------|----------------|
| Aggregate cost | \$ 677,263,192 |
| Gross unrealized appreciation | \$ 16,845,933 |
| Gross unrealized depreciation | (15,575,673) |
| Net unrealized appreciation | \$ 1,270,260 |

(a) Variable rate security. Rate shown is as of report date.

(b) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.

(c) US government securities, held in escrow, are used to pay interest on this security as well as to retire the bond in full at the date indicated, typically at a premium to par.

(d) When-issued security. Unsettled when-issued transactions were as follows:

| Counterparty | Value | Unrealized Appreciation |
|---------------------|--------------|----------------------------|
| JPMorgan Securities | \$ 5,634,980 | \$ 281,908 |

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(e) Securities represent bonds transferred to a tender option bond trust in exchange for which the Fund acquired residual interest certificates.

These securities serve as collateral in a financing transaction.

(f) Variable rate security. Rate shown is as of report date and maturity shown is the date the principal owed can be recovered through demand.

BLACKROCK MUNIHOLDINGS NEW YORK QUALITY FUND, INC.

NOVEMBER 30, 2010

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Schedule of Investments (concluded)

BlackRock MuniHoldings New York Quality Fund, Inc. (MHN)

(g) Investments in companies considered to be an affiliate of the Fund during the period, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

| Affiliate | Shares Held at August 31, 2010 | Net Activity | Shares Held at November 30, 2010 | Income |
|---|---|-----------------|---|----------|
| BIF New York Municipal Money Fund | 8,738,117 | 3,912,322 | 12,650,439 | \$ 1,528 |

(h) Represents the current yield as of report date.

For Fund compliance purposes, the Fund's sector classifications refer to any one or more of the sector sub-classifications used by one or more widely recognized market indexes or rating group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine such sector sub-classifications for reporting ease.

Fair Value Measurements - Various inputs are used in determining the fair value of investments, which are as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments)

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The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and other significant accounting policies, please refer to the Fund's most recent financial statements as contained in its annual report.

The following table summarizes the inputs used as of November 30, 2010 in determining the fair valuation of the Fund's investments:

| Valuation Inputs | Level 1 | Level 2 | Level 3 | Total |
|----------------------------|---------------|---------------|---------|----------------|
| Assets: | | | | |
| Investments in Securities: | | | | |
| Long-Term | | | | |
| Investments ¹ | | \$737,220,613 | | \$ 737,220,613 |
| Short-Term | | | | |
| Securities | \$ 12,650,439 | 375,000 | | 13,025,439 |
| Total | \$ 12,650,439 | \$737,595,613 | | \$ 750,246,052 |

¹ See above Schedule of Investments for values in each sector.

6 BLACKROCK MUNIHOLDINGS NEW YORK QUALITY FUND, INC.

NOVEMBER 30, 2010

Item 2 Controls and Procedures

2(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)) are effective as of a date within 90 days of the filing of this report based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rule 13a-15(b) under the Securities Exchange Act of 1934, as amended.

2(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) 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

Certifications Attached hereto

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.

BlackRock MuniHoldings New York Quality Fund, Inc.

By: /s/ Anne F. Ackerley

Anne F. Ackerley

Chief Executive Officer (principal executive officer) of
BlackRock MuniHoldings New York Quality Fund, Inc.

Date: January 26, 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: /s/ Anne F. Ackerley

Anne F. Ackerley

Chief Executive Officer (principal executive officer) of
BlackRock MuniHoldings New York Quality Fund, Inc.

Date: January 26, 2011

By: /s/ Neal J. Andrews

Neal J. Andrews

Chief Financial Officer (principal financial officer) of
BlackRock MuniHoldings New York Quality Fund, Inc.

Date: January 26, 2011
