NUVEEN NEW YORK AMT-FREE QUALITY MUNICIPAL INCOME FUND Form N-Q January 27, 2017

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM N-O

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-21211

Nuveen New York AMT-Free Quality Municipal Income Fund (Exact name of registrant as specified in charter)

Nuveen Investments 333 West Wacker Drive, Chicago, Illinois 60606 (Address of principal executive offices) (Zip code)

Gifford R. Zimmerman
Vice President and Secretary
333 West Wacker Drive, Chicago, Illinois 60606
(Name and address of agent for service)

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

Date of fiscal year end: 2/28

Date of reporting period: 11/30/16

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.

Item 1. Schedule of Investments

Portfolio of Investments

Nuveen New York AMT-Free Quality Municipal Income Fund (NRK) (formerly known as New York AMT-Free Municipal Income Fund) November 30, 2016 (Unaudited)

Principal		Optional Call		
Amount (000)	Description (1)	Provisions (2)	Ratings (3)	Value
(000)	LONG-TERM INVESTMENTS – 162.1% (100.0% of Total Investments)	(2)		
	MUNICIPAL BONDS – 162.1% (100.0% of Total Investments)			
\$ 8,000	Consumer Staples – 6.0% (3.7% of Total Investments) Erie County Tobacco Asset Securitization Corporation, New York, Tobacco Settlement Asset-Backed Bonds, 1st Subordinate Series 2005B, 0.000%, 6/01/47 Erie County Tobacco Asset Securitization Corporation, New York, Tobacco Settlement	2/17 at 17.49	N/R	\$ 945,440
	Asset-Backed Bonds, Series 2005A:			
27,580	5.000%, 6/01/38	2/17 at 100.00	BB	27,815,533
13,500	5.000%, 6/01/45	2/17 at 100.00	BB-	12,653,820
10,000	Erie County Tobacco Asset Securitization Corporation, New York, Tobacco Settlement	2/17 at 12.51	N/R	709,500
1,310	Asset-Backed Bonds, Series 2005C, 0.000%, 6/01/50 Nassau County Tobacco Settlement Corporation, New York, Tobacco Settlement Asset-Backed Bonds, Refunding Series 2006A-2, 5.250%, 6/01/26	2/17 at 100.00	В-	1,281,940
26,865	Nassau County Tobacco Settlement Corporation, New York, Tobacco Settlement Asset-Backed	2/17 at 100.00	В-	24,850,662
4,680	Bonds, Series 2006A-3, 5.000%, 6/01/35 New York Counties Tobacco Trust VI, New York, Tobacco Settlement Pass-Through Bonds, Turbo Term Series 2016A. Including 2016A-1, 2016A-2A and 2016A-2B	6/26 at 100.00	N/R	4,916,574
91,935	5.000%, 6/01/51 Total Consumer Staples Education and Civic Organizations – 29.8% (18.4% of Total Investments)			73,173,469

0.005	Brooklyn Arena Local Development Corporation, New York, Payment in Lieu of Taxes Revenue Bonds, Barclays Center Project, Series 2009:	No Oat Call	DDD	2.672.662
9,995 29,145	0.000%, 7/15/45 0.000%, 7/15/47 Build New York City Resource Corporation, New York, Revenue Bonds, Bronx Charter School for Excellence, Series 2013A:	No Opt. Call No Opt. Call		2,673,662 7,293,536
250	5.000%, 4/01/33	4/23 at 100.00	BBB-	254,752
2,535	5.500%, 4/01/43	4/23 at 100.00	BBB-	2,626,716
	Build New York City Resource Corporation, New York, Revenue Bonds, Metropolitan College of New York, Series 2014:			
1,000	5.250%, 11/01/29	11/24 at 100.00	BB	1,017,200
3,905	5.250%, 11/01/34	11/24 at 100.00	BB	3,904,805
	Build New York City Resource Corporation, New York, Revenue Bonds, South Bronx Charter School for International Cultures and the Arts Project, Series 2013A:			
2,690	5.000%, 4/15/33	4/23 at 100.00	BB+	2,613,685
3,990	5.000%, 4/15/43	4/23 at 100.00	BB+	3,718,999
3,655	Dobbs Ferry Local Development Corporation, New York, Revenue Bonds, Mercy College Project, Series 2014, 5.000%, 7/01/44	No Opt. Call	A	3,959,133
540	Dormitory Authority of the State of New York, 853 Schools Program Insured Revenue Bonds, St. Anne Institute, Issue 2, Series 1998E, 5.000%, 7/01/18 – AMBAC Insured	1/17 at 100.00	N/R	541,847
4,990	Dormitory Authority of the State of New York, General Revenue Bonds, Saint Johns University, Series 2013A, 5.000%, 7/01/44	7/23 at 100.00	A-	5,375,028
1,655	Dormitory Authority of the State of New York, General Revenue Bonds, Saint Johns University, Series 2015A, 5.000%, 7/01/37	7/25 at 100.00	A-	1,798,025
4,265	Dormitory Authority of the State of New York, Housing Revenue Bonds, Fashion Institute of Technology, Series 2007, 5.250%, 7/01/34 – FGIC Insured	No Opt. Call	AA-	4,733,254
6,000	Dormitory Authority of the State of New York, Insured Revenue Bonds, Mount Sinai School of Medicine, Series 1994A, 5.150%, 7/01/24 – NPFG Insured Dormitory Authority of the State of New York, Insured Revenue Bonds, Touro College and University System, Series 2014A:	No Opt. Call	AA-	6,952,380
1,685	5.250%, 1/01/34	7/24 at 100.00	BBB-	1,779,495
2,185	5.500%, 1/01/39		BBB-	2,336,661

		7/24 at 100.00		
2,820	5.500%, 1/01/44	7/24 at 100.00	BBB-	3,008,235
14,585	Dormitory Authority of the State of New York, Lease Revenue Bonds, State University Dormitory Facilities, Refunding Series 2013A, 5.000%, 7/01/27	7/23 at 100.00	Aa3	16,497,823
6,215	Dormitory Authority of the State of New York, Lease Revenue Bonds, State University Dormitory Facilities, Series 2009A, 5.000%, 7/01/39	7/19 at 100.00	Aa2	6,630,659
4,750	Dormitory Authority of the State of New York, Lease Revenue Bonds, State University Dormitory Facilities, Series 2011A, 5.000%, 7/01/41	7/21 at 100.00	Aa2	5,220,345
3,750	Dormitory Authority of the State of New York, Lease Revenue Bonds, State University Dormitory Facilities, Series 2012A, 5.000%, 7/01/37 Dormitory Authority of the State of New York, Lease Revenue Bonds, State University Dormitory Facilities, Series 2015A:	7/22 at 100.00	Aa2	4,155,375
3,095 3,465	5.000%, 7/01/31 5.000%, 7/01/33	No Opt. Call No Opt. Call		3,545,292 3,929,934
2,000	5.000%, 7/01/34	7/25 at 100.00	Aa3	2,258,740
	Dormitory Authority of the State of New York, Revenue Bonds, Barnard College, Series 2007A:			
405	5.000%, 7/01/25 – NPFG Insured	7/17 at 100.00	AA-	414,056
1,320	5.000%, 7/01/37 – NPFG Insured	7/17 at 100.00	AA-	1,345,912
6,680	Dormitory Authority of the State of New York, Revenue Bonds, Columbia University, Series 2011A, 5.000%, 10/01/41 Dormitory Authority of the State of New York, Revenue Bonds, Convent of the Sacred Heart, Series 2011:	4/21 at 100.00	AAA	7,399,703
1,000	5.625%, 11/01/35 – AGM Insured	5/21 at 100.00	AA	1,133,850
5,980	5.750%, 11/01/40 – AGM Insured	5/21 at 100.00	AA	6,712,849
12,970	Dormitory Authority of the State of New York, Revenue Bonds, Icahn School of Medicine at Mount Sinai, Refunding Series 2015A, 5.000%, 7/01/40	7/25 at 100.00	A-	14,051,309
1,000	Dormitory Authority of the State of New York, Revenue Bonds, Marymount Manhattan College, Series 2009, 5.250%, 7/01/29	7/19 at 100.00	Baa2	1,068,300
3,250	Dormitory Authority of the State of New York, Revenue Bonds, New York University, Series 1998A, 6.000%, 7/01/18 – NPFG Insured Dormitory Authority of the State of New York, Revenue Bonds, New York University, Series 2001-1:	No Opt. Call	AA-	3,495,927

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1,500 4,000	5.500%, 7/01/24 – AMBAC Insured 5.500%, 7/01/40 – AMBAC Insured Dormitory Authority of the State of New York, Revenue Bonds, New York University, Series 2009A:	No Opt. Call No Opt. Call		1,812,075 4,998,160
10,000	5.250%, 7/01/34	7/19 at 100.00	AA-	10,815,000
3,890	5.000%, 7/01/39	7/19 at 100.00	AA-	4,173,503
13,500	Dormitory Authority of the State of New York, Revenue Bonds, New York University, Series 2009B, 5.000%, 7/01/39 Dormitory Authority of the State of New York, Revenue Bonds, New York University, Series 2015A:	7/19 at 100.00	AA-	14,483,880
9,000	5.000%, 7/01/34	No Opt. Call	AA-	10,121,310
8,955	5.000%, 7/01/45	7/25 at 100.00	AA-	9,790,591
	Dormitory Authority of the State of New York, Revenue Bonds, New York University, Series 2016A:			
11,920	5.000%, 7/01/34	7/26 at 100.00	AA-	13,489,626
1,495	4.000%, 7/01/41	7/26 at 100.00	AA-	1,524,825
2,800	Dormitory Authority of the State of New York, Revenue Bonds, Non State Supported Debt, Cornell University, Series 2008C, 5.000%, 7/01/37 Dormitory Authority of the State of New York, Revenue Bonds, Non State Supported Debt, Cornell University, Series 2010A:	7/20 at 100.00	Aa1	3,078,544
5,000	5.000%, 7/01/35	7/20 at 100.00	Aa1	5,504,700
11,560	5.000%, 7/01/40	7/20 at 100.00	Aa1	12,672,188
	Dormitory Authority of the State of New York, Revenue Bonds, Pratt Institute, Series 2015A:			
800	5.000%, 7/01/39	7/24 at 100.00	A3	868,216
1,500	5.000%, 7/01/44	7/24 at 100.00	A3	1,604,355
	Dormitory Authority of the State of New York, Revenue Bonds, Rochester Institute of Technology, Series 2006A:			
2,500	5.250%, 7/01/20 – AMBAC Insured	No Opt. Call		2,772,450
2,000	5.250%, 7/01/21 – AMBAC Insured Dormitory Authority of the State of New York, Revenue Bonds, Saint Joseph's College, Series 2010:	No Opt. Call	A1	2,250,720
1,815	5.250%, 7/01/25	7/17 at 100.00	Ba1	1,837,597
2,000	5.250%, 7/01/35	7/20 at 100.00	Ba1	2,100,400
8,925		100.00	BB-	8,818,346

Dormitory Authority of the Sate of New York, Revenue Bonds, Non State Supported Debt, Vaughn 100.00