NUVEEN NEW YORK AMT-FREE QUALITY MUNICIPAL INCOME FUND Form N-Q July 28, 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: 5/31/17

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) May 31, 2017 (Unaudited)

Principal Amount (000)	Description (1) LONG-TERM INVESTMENTS – 159.2% (100.0% of Total Investments)	Optional Call Provisions (2)	Ratings (3)	Value
\$ 8,000	MUNICIPAL BONDS – 159.2% (100.0% of Total Investments) Consumer Staples – 10.3% (6.5% 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	100.00	N/R	\$ 1,096,640
	Tobacco Settlement Asset-Backed Bonds, Series 2005A:	8/17 at		
27,580	5.000%, 6/01/38	100.00	BB	27,585,792
13,500	5.000%, 6/01/45	8/17 at 100.00	BB-	13,498,920
10,000	Erie County Tobacco Asset Securitization Corporation, New York Tobacco Settlement		N/R	944,500
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	8/17 at 100.00	В-	1,310,157
26,865	Nassau County Tobacco Settlement Corporation, New York, Tobacco Settlement Asset-Backed Bonds, Series 2006A-3, 5.000%, 6/01/35	8/17 at 100.00	В-	26,741,958
4,680	New York Counties Tobacco Trust VI, New York, Tobacco Settlement Pass-Through Bonds, Turbo Term Series 2016A. Including 2016A-1, 2016A-2A and	6/26 at 100.00	N/R	4,995,432
	2016A-2B, 5.000%, 6/01/51 TSASC Inc., New York, Tobacco Asset-Backed Bonds, Series 2006:			
4,135	5.000%, 6/01/45	6/27 at 100.00	BBB-	4,351,095
49,715	5.000%, 6/01/48	6/27 at 100.00	N/R	51,496,288

145,785	Total Consumer Staples Education and Civic Organizations – 28.2% (17.7% of Total			132,020,782
3,150	Investments) Brooklyn Arena Local Development Corporation, New York, Payment in Lieu of Taxes Revenue Bonds, Barclays Center Project, Refunding Series 2016A, 5.000% 7/15/42	1/27 at 100.00	BBB-	3,552,287
9,995 29,145	Brooklyn Arena Local Development Corporation, New York, Payment in Lieu of Taxes Revenue Bonds, Barclays Center Project, Series 2009: 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		
250	5.000%, 4/01/33	4/23 at 100.00	BBB-	258,310
2,535	5.500%, 4/01/43	4/23 at 100.00	BBB-	2,657,339
	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	1,028,880
5,705	5.250%, 11/01/34	11/24 at 100.00	BB	5,780,819
1,500	5.000%, 11/01/39	11/24 at 100.00	ВВ	1,460,490
	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+	2,710,256
3,990	5.000%, 4/15/43	4/23 at 100.00	BB+	3,961,112
3,655	Dobbs Ferry Local Development Corporation, New York, Revenue Bonds, Mercy College Project, Series 2014, 5.000%, 7/01/44	7/24 at 100.00	A	4,100,910
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-	5,535,207
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-	1,896,100
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-	5,206,115
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	No Opt. Call	AA-	7,180,260

Dormitory Authority of the State of New York, Insured Revenue Bonds, Touro College and University System, Series 2014A: 7/24 at BBB- 1,855,067 1,685 5.250%, 1/01/34 100.00 7/24 at 5.500%, 1/01/39 2,185 BBB- 2,423,536 100.00 7/24 at 2,820 5.500%, 1/01/44 BBB- 3,118,638 100.00 Dormitory Authority of the State of New York, Lease Revenue 7/23 at 14,585 Aa3 17,061,241 Bonds, State University Dormitory 100.00 Facilities, Refunding Series 2013A, 5.000%, 7/01/27 Dormitory Authority of the State of New York, Lease Revenue 7/21 at 4,750 Aa2 5,309,027 Bonds, State University Dormitory 100.00 Facilities, Series 2011A, 5.000%, 7/01/41 Dormitory Authority of the State of New York, Lease Revenue 7/22 at 3,750 Aa2 4,256,175 Bonds, State University Dormitory 100.00 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: 7/25 at 3,095 5.000%, 7/01/31 Aa3 3,663,025 100.00 7/25 at 3,465 5.000%, 7/01/33 Aa3 4,062,158 100.00 Dormitory Authority of the State of New York, Lease Revenue Bonds, State University Dormitory Facilities, Series 2017A: 7/27 at 2,930 5.000%, 7/01/34 Aa3 3,512,748 100.00 7/27 at 2,930 5.000%, 7/01/42 Aa3 3,453,327 100.00 Dormitory Authority of the State of New York, Revenue Bonds, Barnard College, Series 2007A: 7/17 at 405 5.000%, 7/01/25 – NPFG Insured AA-406,373 100.00 7/17 at 1,320 5.000%, 7/01/37 – NPFG Insured AA-1,324,290 100.00 Dormitory Authority of the State of New York, Revenue Bonds, 4/21 at 6,680 AAA 7,515,134 Columbia University, Series 100.00 2011A, 5.000%, 10/01/41 Dormitory Authority of the State of New York, Revenue Bonds, Convent of the Sacred Heart, Series 2011: 5/21 at 1,000 5.625%, 11/01/35 – AGM Insured AA1,145,660 100.00 5/21 at 5,980 5.750%, 11/01/40 – AGM Insured AA 6,798,961 100.00 Dormitory Authority of the State of New York, Revenue Bonds, 7/25 at 12,970 14,591,380 A-Icahn School of Medicine at Mount 100.00 Sinai, Refunding Series 2015A, 5.000%, 7/01/40

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	1,068,940
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	Aa2	3,431,903
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 2015A:	No Opt. Call No Opt. Call		1,878,300 5,488,720
9,000	5.000%, 7/01/34	7/25 at 100.00	Aa2	10,615,680
8,955	5.000%, 7/01/45	7/25 at 100.00	Aa2	10,364,069
10,850	Dormitory Authority of the State of New York, Revenue Bonds, New York University, Series 2016A, 5.000%, 7/01/32 Dormitory Authority of the State of New York, Revenue Bonds, New York University, Series 2017A:	7/26 at 100.00	Aa2	13,100,507
4,000	5.000%, 7/01/38 (WI/DD, Settling 6/01/17)	7/27 at 100.00	Aa2	4,752,840
5,620	5.000%, 7/01/39 (WI/DD, Settling 6/01/17)	7/27 at 100.00	Aa2	6,666,950
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	3,106,712
5,000	5.000%, 7/01/35	7/20 at 100.00	Aa1	5,552,500
11,560	5.000%, 7/01/40	7/20 at 100.00	Aa1	12,811,486
	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	903,576
1,500	5.000%, 7/01/44	7/24 at 100.00	A3	1,670,880
2,500 2,000	Dormitory Authority of the State of New York, Revenue Bonds, Rochester Institute of Technology, Series 2006A: 5.250%, 7/01/20 – AMBAC Insured 5.250%, 7/01/21 – AMBAC Insured Dormitory Authority of the State of New York, Revenue Bonds, Saint Joseph's College,	No Opt. Call No Opt. Call		2,798,300 2,305,400
1,815	Series 2010: 5.250%, 7/01/25		Ba1	1,819,302

2,000 8,925	5.250%, 7/01/35 Dormitory Authority of the State of New York, Revenue Bonds,	7/17 at 100.00 7/20 at 100.00	Ba1	2,124,860
0,923	Vaughn College of Aeron			