Nuveen AMT-Free Municipal Value Fund Form N-Q March 29, 2018

#### 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 811-22253

### **Nuveen AMT-Free Municipal Value 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: October 31

Date of reporting period: January 31, 2018

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**

NUW				
	T-Free Municipal Value Fund			
	Investments January 31, 2018 (Unaudited)			
Principal		Ontional Call	Datings	
Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	LONG-TERM INVESTMENTS - 110.0%			
	MUNICIPAL BONDS - 110.0%			
	Alaska – 0.3%			
	Northern Tobacco Securitization Corporation, Alaska, Tobacco			
	Settlement Asset-Backed Bonds, Series 2006A:			
\$ 500	4.625%, 6/01/23	4/18 at 100.00		\$514,310
350	5.000%, 6/01/46	3/18 at 100.00	B3	343,217
850	Total Alaska			857,527
	Arizona – 3.1%			
4.000	Maricopa County Pollution Control Corporation, Arizona,	2/10 . 100 00	D 1	4.210.000
4,000	Pollution Control Revenue Bonds, El Paso Electric Company, Refunding Series 2009A, 7.250%, 2/01/40	2/19 at 100.00	Baal	4,210,000
2.045	Salt Verde Financial Corporation, Arizona, Senior Gas Revenue	N. O. G. II	DDD	2 (25 7(1
3,045	Bonds, Citigroup Energy Inc. Prepay Contract Obligations, Series 2007, 5.000%, 12/01/37	No Opt. Call	BBB+	3,635,761
7,045	Total Arizona			7,845,761
	California – 18.5%			
4.500	Alameda Corridor Transportation Authority, California, Revenue	10.10.6		4 = 00 400
1,500	Bonds, Refunding Second Subordinate Lien Series 2016B, 5.000%, 10/01/36	10/26 at 100.00	BBB+	1,700,400
1.500	Anaheim Public Financing Authority, California, Lease Revenue	N. O. G. II		1 000 100
1,730	Bonds, Public Improvement Project, Series 1997C, 0.000%,	No Opt. Call	AA	1,092,132
	9/01/30 – AGM Insured			
2.500	California State Public Works Board, Lease Revenue Bonds,	4/10 -4 100 00	<b>A</b> = =	2 6 42 425
2,500	Department of General Services Buildings 8 & 9, Series 2009A,	4/19 at 100.00	Aaa	2,642,425
	6.250%, 4/01/34 (Pre-refunded 4/01/19) California State, General Obligation Bonds, Tender Option Bond			
500	Trust 2016-XG0039, 144A, 16.680%, 3/01/40 — AGM Insured (	IEX20 at 100 00	ΔΔ	664,105
300	(4)	100.00	AA	004,103
	Eastern Municipal Water District Financing Authority, California,			
10,000	Water and Wastewater Revenue Bonds, Series 2017D, 5.000%,	7/27 at 100.00	AA+	11,656,200
10,000	7/01/47 (UB) (4)	// <b>=</b> / <b>u</b> t 100/00		11,000,200
	Golden State Tobacco Securitization Corporation, California,			
4,155	Tobacco Settlement Asset-Backed Bonds, Series 2007A-1,	3/18 at 100.00	В3	4,171,703
•	5.000%, 6/01/33			, ,
450	M-S-R Energy Authority, California, Gas Revenue Bonds,	No Ont Call	<b>A</b>	620,600
450	Citigroup Prepay Contracts, Series 2009A, 6.500%, 11/01/39	No Opt. Call	A	628,690
10.200	Palomar Pomerado Health, California, General Obligation Bonds,	8/20 of 100 00	DD :	12 454 912
10,200	Series 2009A, 0.000%, 8/01/38 - AGC Insured (5)	8/29 at 100.00	BB+	12,454,812
1,030	Poway Unified School District, San Diego County, California,	No Opt. Call	AA-	545,107
	General Obligation Bonds, School Facilities Improvement District			

	2007-1, Series 2011A, 0.000%, 8/01/35			
2,500	San Diego County Regional Airport Authority, California, Airport Revenue Bonds, Subordinate Series 2017A, 5.000%, 7/01/47	7/27 at 100.00	A	2,882,975
	San Ysidro School District, San Diego County, California, General			
12,955	Obligation Bonds, 1997 Election Series 2012G, 0.000%, 8/01/35	-No Opt. Call	AA	6,716,390
	AGM Insured			
5 185	San Ysidro School District, San Diego County, California, General	No Opt Call	ΔΔ	1 449 363
3,103		140 Opt. Can	7 17 1	1,447,505
	Victor Elementary School District, San Bernardino County,			
700	California, General Obligation Bonds, Series 2002A, 0.000%,	No Opt. Call	Aa3	594,125
	8/01/24 – FGIC Insured			
53,405	Total California			47,198,427
,	Obligation Bonds, Refunding Series 2015, 0.000%, 8/01/44 Victor Elementary School District, San Bernardino County, California, General Obligation Bonds, Series 2002A, 0.000%, 8/01/24 – FGIC Insured	No Opt. Call	AA Aa3	,

Daire de 1				
Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	Colorado – 5.6% Denver Convention Center Hotel Authority, Colorado, Revenue Bonds, Convention Center Hotel, Refunding Senior Lien Series 2016:			
\$ 1,000 1,500	5.000%, 12/01/30 5.000%, 12/01/36	12/26 at 100.00 12/26 at 100.00		\$1,155,780 1,693,890
5,885	E-470 Public Highway Authority, Colorado, Toll Revenue Bonds, Series 2004A, 0.000%, 9/01/34 - NPFG Insured	No Opt. Can	A-	3,310,548
3,605	E-470 Public Highway Authority, Colorado, Toll Revenue Bonds, Series 2004B, 0.000%, 9/01/27 — NPFG Insured Park Creek Metropolitan District, Colorado, Senior Limited	9/20 at 67.94	A-	2,294,042
4,000	Property Tax Supported Revenue Bonds, Refunding Series 2009, 6.375%, 12/01/37 (Pre-refunded 12/01/19) — AGC Insured	12/19 at 100.00	AA (6)	4,348,400
1,000	Public Authority for Colorado Energy, Natural Gas Purchase Revenue Bonds, Colorado Springs Utilities, Series 2008, 6.500%, 11/15/38	No Opt. Call	A	1,383,760
16,990	Total Colorado Florida – 10.1%			14,186,420
500	Gainesville, Florida, Utilities System Revenue Bonds, Series 2017A, 5.000%, 10/01/37	10/27 at 100.00	AA-	583,335
1,605	Lakeland, Florida, Hospital System Revenue Bonds, Lakeland Regional Health, Series 2015, 5.000%, 11/15/45 Miami Beach Redevelopment Agency, Florida, Tax Increment	11/24 at 100.00	A2	1,758,358
535	Revenue Bonds, City Center/Historic Convention Village, Series 2015A, 5.000%, 2/01/44 – AGM Insured	2/24 at 100.00	A1	605,877
9,500	Miami-Dade County, Florida, Aviation Revenue Bonds, Miami International Airport, Series 2009A, 5.500%, 10/01/41 (UB) (4) Miami-Dade County, Florida, General Obligation Bonds, Build Better Communities Program, Series 2009-B1:	10/19 at 100.00	A	10,070,190
2,000	5.625%, 7/01/38 (Pre-refunded 7/01/18)	7/18 at 100.00	AA (6)	2,035,900
2,500	6.000%, 7/01/38 (Pre-refunded 7/01/18)	7/18 at 100.00		
3,650	Miami-Dade County, Florida, Water and Sewer System Revenue Bonds, Refunding Series 2017B, 5.000%, 10/01/33	10/25 at 100.00	Aa3	4,197,573
300	Tolomato Community Development District, Florida, Special Assessment Bonds, Convertible, Capital Appreciation, Series 2012A-2, 6.610%, 5/01/39	4/18 at 100.00	N/R	299,943
865	Tolomato Community Development District, Florida, Special Assessment Bonds, Convertible, Capital Appreciation, Series 2012A-3, 0.000%, 5/01/40 (5)	5/19 at 100.00	N/R	807,322
375	Tolomato Community Development District, Florida, Special Assessment Bonds, Convertible, Capital Appreciation, Series 2012A-4, 0.000%, 5/01/40 (5)	5/22 at 100.00	N/R	293,422
525	Tolomato Community Development District, Florida, Special Assessment Bonds, Hope Note, Series 2007-3, 6.450%, 5/01/23 (7)	5/18 at 100.00	N/R	5
45	Tolomato Community Development District, Florida, Special Assessment Bonds, Non Performing ParcelSeries 2007-1. RMKT,	5/18 at 100.00	N/R	45,023

870	6.450%, 5/01/23 Tolomato Community Development District, Florida, Special Assessment Bonds, Refunding Series 2012A-1, 6.450%, 5/01/23	/18 at 100.00	N/R	870,252
1,315	Tolomato Community Development District, Florida, Special Assessment Bonds, Refunding Series 2015-1, 0.000%, 5/01/40 (7)	/18 at 100.00	N/R	1,051,711
805	Tolomato Community Development District, Florida, Special Assessment Bonds, Refunding Series 2015-2, 0.000%, 5/01/40 (7)	/18 at 100.00	N/R	530,036

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
\$ 880	Florida (continued) Tolomato Community Development District, Florida, Special Assessment Bonds, Refunding Series 2015-3, 6.610%, 5/01/40	5/18 at 100.00	N/R	\$ 9
26,270	(7) Total Florida Georgia – 2.9%			25,697,681
400	Atlanta, Georgia, Tax Allocation Bonds, Beltline Project Series 2008A, Remarketed, 7.500%, 1/01/31 (Pre-refunded 1/01/19)	1/19 at 100.00	A2 (6)	421,280
1,000	Clayton County Development Authority, Georgia, Special Facilities Revenue Bonds, Delta Air Lines, Inc. Project, Series 2009A, 8.750%, 6/01/29	6/20 at 100.00	Baa3	1,138,630
2,000	Gainesville and Hall County Hospital Authority, Georgia, Revenue Anticipation Certificates, Northeast Georgia Health Services Inc., Series 2017B, 5.500%, 2/15/42	2/27 at 100.00	AA	2,390,200
2,000	Municipal Electric Authority of Georgia, Project One Revenue Bonds, Subordinate Lien Series 2015A, 5.000%, 1/01/35	1/25 at 100.00	A	2,228,220
1,000	Private Colleges and Universities Authority, Georgia, Revenue Bonds, Emory University, Refunding Series 2016A, 5.000%, 10/01/46	10/26 at 100.00	AA+	1,154,860
6,400	Total Georgia Illinois – 12.3%			7,333,190
2,000	Chicago Board of Education, Illinois, Dedicated Capital Improvement Tax Revenue Bonds, Series 2016, 6.000%, 4/01/46 Chicago, Illinois, General Obligation Bonds, City Colleges,	4/27 at 100.00	A	2,362,320
470	Series 1999: 0.000%, 1/01/33 – FGIC Insured	No Ont Call	BBB+	244,865
3,000	0.000%, 1/01/33 – FGIC Insured	No Opt. Call No Opt. Call	BBB+	1,273,950
2,000	Cook County, Illinois, Sales Tax Revenue Bonds, Series 2017, 5.000%, 11/15/38	11/27 at 100.00		2,289,480
5,035	Illinois Finance Authority, Revenue Bonds, Northwestern Memorial Hospital, Series 2009A, 6.000%, 8/15/39 (Pre-refunded 8/15/19)	8/19 at 100.00	AA+ (6)	5,382,516
3,500	Illinois Finance Authority, Revenue Bonds, OSF Healthcare System, Series 2009A, 7.125%, 11/15/37 (Pre-refunded 5/15/19)	5/19 at 100.00	A2 (6)	3,752,070
5,000	Illinois Finance Authority, Revenue Bonds, Rush University Medical Center Obligated Group, Series 2009A, 7.250%, 11/01/38 (Pre-refunded 11/01/18)	11/18 at 100.00	Aaa	5,217,300
3,500	Illinois Finance Authority, State of Illinois Clean Water Initiative Revolving Fund Revenue Bonds, Series 2017, 5.000%, 7/01/37	1/27 at 100.00	AAA	4,029,095
525	Illinois State, General Obligation Bonds, October Series 2016, 5.000%, 2/01/29	2/27 at 100.00	BBB	557,818
11,420	Metropolitan Pier and Exposition Authority, Illinois, Revenue Bonds, McCormick Place Expansion Project, Series 2002A, 0.000%, 12/15/37 — NPFG Insured	No Opt. Call	Baa2	4,502,106
615	University of Illinois, Health Services Facilities System Revenue Bonds, Series 2013, 6.000%, 10/01/42	10/23 at 100.00	A-	702,502

	Will County Community Unit School District 201U, Crete-Monee, Illinois, General Obligation Bonds, Capital Appreciation Series 2004:			
300	0.000%, 11/01/23 – NPFG Insured (ETM)	No Opt. Call	Baa2 (6	)263,949
745	0.000%, 11/01/23 - NPFG Insured	No Opt. Call	A+	623,923
38,110	Total Illinois	_		31,201,894
	Indiana – 4.0%			
	Indiana Finance Authority, Hospital Revenue Bonds, Deaconess			
5,000	Hospital Obligated Group, Series 2009A, 6.750%, 3/01/39	3/19 at 100.00	A+(6)	5,284,150
	(Pre-refunded 3/01/19)			

Principal	Description (1)	Optional Call	Rating	<sup>S</sup> Value
Amount (000)	Description (1)	Provisions (2)	(3)	Value
	Indiana (continued)			
<b></b>	Indiana Health and Educational Facilities Financing Authority, Revenue Bonds, Sisters of Saint Francis Health Services Inc.,	<b>-</b> 40000		
\$ 1,600	Series 2006E, 5.250%, 5/15/41 (Pre-refunded 5/01/18) — AGM Insured	5/18 at 100.00	N/R (6	5)\$1,615,344
2,000	Indiana Municipal Power Agency, Power Supply System Revenue Bonds, Series 2009B, 6.000%, 1/01/39 (Pre-refunded 1/01/19)	1/19 at 100.00	A1 (6)	2,083,980
1,500	Indianapolis Local Public Improvement Bond Bank, Indiana, Series 1999E, 0.000%, 2/01/25 — AMBAC Insured	No Opt. Call	AA	1,238,205
10,100	Total Indiana Iowa – 1.8%			10,221,679
	Iowa Finance Authority, Iowa, Midwestern Disaster Area Revenue			
1,545	Bonds, Iowa Fertilizer Company Project, Series 2013, 5.500%, 12/01/22	12/18 at 100.00	) B-	1,572,285
3,075	Iowa Tobacco Settlement Authority, Asset Backed Settlement Revenue Bonds, Series 2005C, 5.375%, 6/01/38	4/18 at 100.00	B2	3,083,179
4,620	Total Iowa Kentucky – 0.5%			4,655,464
	Kenton County Airport Board, Kentucky, Airport Revenue Bonds,			
1,150	Cincinnati/Northern Kentucky International Airport, Series 2016,	1/26 at 100.00	A+	1,299,684
	5.000%, 1/01/29 Louisiana – 2.0%			
	Louisiana Citizens Property Insurance Corporation, Assessment			
5,000	Revenue Bonds, Series 2006C-3, 6.125%, 6/01/25 (Pre-refunded 6/01/18) – AGC Insured	6/18 at 100.00	AA (6)	5,080,050
	Maine – 1.5%			
2 225	Maine Health and Higher Educational Facilities Authority,	7/10 at 100 00	A 02	2 722 465
3,335	Revenue Bonds, Bowdoin College, Tender Option Bond Trust 2016-XL0014, 144A, 11.503%, 7/01/39 (IF) (4) Maryland – 3.7%	7/19 at 100.00	Aaz	3,732,465
	Baltimore, Maryland, Convention Center Hotel Revenue Bonds,			
1,000	Refunding Series 2017: 5.000%, 9/01/32	9/27 at 100.00	BBB-	1,144,900
2,250	5.000%, 9/01/34	9/27 at 100.00		
	Maryland Health and Higher Educational Facilities Authority,			
5,000	Revenue Bonds, MedStar Health Issue, Series 2017A, 5.000%, 5/15/45	5/27 at 100.00	A	5,598,400
8,250	Total Maryland			9,301,460
	Massachusetts – 0.4% Massachusetts Water Pollution Abatement Trust, Pooled Loan			
1,000	Program Bonds, Tender Option Bond Trust 2015-XF2181, 144A, 11.220%, 8/01/38 (IF) (4)	8/19 at 100.00	AAA	1,137,930
	Minnesota – 0.5%			
1,145	Rochester, Minnesota, Electric Utility Revenue Bonds, Refunding Series 2017A, 5.000%, 12/01/47	12/26 at 100.00	) Aa3	1,315,697
500	Nebraska – 0.2%	9/22 at 100.00	A	556,980
_ 00		2.22 2. 100.00		

Central Plains Energy Project, Nebraska, Gas Project 3 Revenue Bonds, Series 2012, 5.000%, 9/01/42

Principal		Ontion of Coll	Dat!:	
Amount (000)	Description (1)	Optional Call Provisions (2)	(3)	<sup>S</sup> Value
,	Nevada – 3.2%			
\$ 5,415	Las Vegas Redevelopment Agency, Nevada, Tax Increment Revenue Bonds, Series 2009A, 8.000%, 6/15/30 (Pre-refunded 6/15/19)	6/19 at 100.00	BBB+ (6)	\$5,884,751
2,000	Las Vegas Valley Water District, Nevada, General Obligation Bonds, Refunding Series 2015, 5.000%, 6/01/39	12/24 at 100.00	AA	2,297,220
7,415	Total Nevada			8,181,971
	New Jersey – 5.1%			
935	New Jersey Economic Development Authority, School Facilities Construction Bonds, Series 2005N-1, 5.500%, 9/01/27 – FGIC Insured	No Opt. Call	A-	1,101,075
1,000	New Jersey Economic Development Authority, School Facilities Construction Financing Program Bonds, Refunding Series 2011GG, 5.000%, 9/01/22	3/21 at 100.00	A-	1,067,220
1,250	New Jersey Economic Development Authority, School Facility Construction Bonds, Series 2005K, 5.500%, 12/15/19 – AMBA Insured	. <b>™</b> o Opt. Call	A-	1,323,925
	New Jersey Educational Facilities Authority, Revenue Bonds, University of Medicine and Dentistry of New Jersey, Refunding Series 2009B:			
2,135	7.125%, 12/01/23 (Pre-refunded 6/01/19)	6/19 at 100.00	N/R (6	)2,291,965
3,000	7.500%, 12/01/32 (Pre-refunded 6/01/19)	6/19 at 100.00		3,235,320
	New Jersey Transportation Trust Fund Authority, Transportation			
5,020	System Bonds, Capital Appreciation Series 2010A, 0.000%, 12/15/31	No Opt. Call	BBB+	2,767,476
255	New Jersey Transportation Trust Fund Authority, Transportation System Bonds, Series 2015AA, 5.250%, 6/15/41	6/25 at 100.00	BBB+	275,328
1,000	Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds, Series 2007-1A, 5.000%, 6/01/29	6/18 at 100.00	B2	1,007,270
14,595	Total New Jersey			13,069,579
4,000	New York – 4.8% Long Island Power Authority, New York, Electric System General Revenue Bonds, Series 2017, 5.000%, 9/01/42	9/27 at 100.00	A-	4,579,280
1,450	New York City Municipal Water Finance Authority, New York, Water and Sewer System Revenue Bonds, Second Generation Resolution, Series 2009EE-2, 5.250%, 6/15/40	6/19 at 100.00	AA+	1,519,759
1,500	New York Liberty Development Corporation, New York, Liberty Revenue Bonds, 4 World Trade Center Project, Series 2011, 5.750%, 11/15/51	11/21 at 100.00	A	1,694,700
3,000	New York Liberty Development Corporation, Revenue Bonds, Goldman Sachs Headquarters Issue, Series 2007, 5.500%, 10/01/37	No Opt. Call	A	3,882,750
430	Port Authority of New York and New Jersey, Special Project Bonds, JFK International Air Terminal LLC Project, Eighth	12/20 at 100.00	BBB	475,335
10,380	Series 2010, 6.000%, 12/01/42 Total New York			12,151,824

	North Carolina – 1.2% North Carolina Capital Facilities Finance Agency, Revenue			
2,000	Bonds, Duke University Project, Refunding Series 2016B, 5.000%, 10/01/44	10/26 at 100.00	AA+	2,324,640
	North Carolina Turnpike Authority, Triangle Expressway System			
700	Revenue Bonds, Refunding Senior Lien Series 2017, 5.000%,	1/27 at 100.00	BBB	808,773
	1/01/32			
2,700	Total North Carolina			3,133,413
	Ohio – 5.1%			
	American Municipal Power Ohio Inc., Prairie State Energy			
3,500	Campus Project Revenue Bonds, Series 2009A, 5.750%, 2/15/39	2/19 at 100.00	AA (6)	3,657,150
	(Pre-refunded 2/15/19) – AGC Insured			

Principal				
Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
(000)	Ohio (continued)			
	Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco			
	Settlement Asset-Backed Revenue Bonds, Senior Lien, Series			
<b></b>	2007A-2:	240 400 00	~ .	<b>**</b> • • • • • • • • • • • • • • • • • •
\$ 2,115	5.875%, 6/01/30 6.500%, 6/01/47	3/18 at 100.00		\$2,056,859
5,910	6.500%, 6/01/47 Franklin County, Ohio, Revenue Bonds, Trinity Health Credit	4/18 at 100.00	B-	5,909,586
1,305	Group, Series 2017OH, 4.000%, 12/01/46	6/27 at 100.00	AA-	1,330,434
12,830	Total Ohio			12,954,029
12,000	Rhode Island – 1.3%			12,50 1,025
	Rhode Island Health and Educational Building Corporation,			
3,000	Hospital Financing Revenue Bonds, Lifespan Obligated Group	5/19 at 100.00	Aaa	3,211,290
	Issue, Series 2009A, 7.000%, 5/15/39 (Pre-refunded 5/15/19)			
	South Carolina – 1.5%			
	Piedmont Municipal Power Agency, South Carolina, Electric			
5,435	Revenue Bonds, Series 2004A-2, 0.000%, 1/01/29 – AMBAC	No Opt. Call	AA	3,778,032
	Insured			
	Tennessee – 0.3%			
605	Metropolitan Government of Nashville-Davidson County,	7/27 -4 100 00	A A	702 502
605	Tennessee, Water and Sewerage Revenue Bonds, Green Series 2017A, 5.000%, 7/01/42	7/27 at 100.00	AA	702,502
	Texas - 10.5%			
	Austin Community College District Public Facility Corporation,			
1,000	Texas, Lease Revenue Bonds, Highland Campus - Building 3000	8/27 at 100.00	AA	1,139,380
,	Project, Series 2018A, 5.000%, 8/01/42 (WI/DD, Settling 2/06/18)			, ,
2 000	Austin, Texas, Electric Utility System Revenue Bonds, Refunding	11/26 at 100.00	) A A	2 222 040
2,000	Series 2017, 5.000%, 11/15/35	11/20 at 100.00	JAA	2,332,040
1,855	Grand Parkway Transportation Corporation, Texas, System Toll	10/23 at 100.00	)RRR+	2,101,029
1,033	Revenue Bonds, First Tier Series 2013A, 5.500%, 4/01/53	10/23 at 100.00	, DDD i	2,101,029
	Houston, Texas, Hotel Occupancy Tax and Special Revenue			
2.000	Bonds, Convention and Entertainment Project, Series 2001B:	N 0 . 0 11		1.710.660
3,000	0.000%, 9/01/32 - AMBAC Insured 0.000%, 9/01/33 - AMBAC Insured	No Opt. Call	A2	1,710,660
7,935	Katy Independent School District, Harris, Fort Bend and Waller	No Opt. Call	A2	4,320,528
10,000	Counties, Texas, General Obligation Bonds, School Building	2/27 at 100.00	ΔΔΔ	10,439,600
10,000	Series 2017, 4.000%, 2/15/47 (UB) (WI/DD, Settling 2/08/18)	2/27 dt 100.00	717171	10,132,000
0.1.7	North Texas Tollway Authority, System Revenue Bonds,	1/07 100 00		4.04=.600
915	Refunding First Tier, Series 2015B, 5.000%, 1/01/45	1/25 at 100.00	A	1,017,608
	Tarrant County Cultural Education Facilities Finance Corporation,			
250	Texas, Revenue Bonds, Texas Health Resources System, Series	8/26 at 100.00	AA	282,980
	2016A, 5.000%, 2/15/41			
1,500	Texas Municipal Gas Acquisition and Supply Corporation III, Gas	12/22 at 100.00	) RRR	1,640,610
1,500	Supply Revenue Bonds, Series 2012, 5.000%, 12/15/32	12,22 at 100.00	DDD	1,010,010
	Wylie Independent School District, Collin County, Texas, General			
2.000	Obligation Bonds, School Building Series 2010:	No Oct C 11	A A A	046 700
2,000	0.000%, 8/15/33	No Opt. Call	AAA	946,780
1,945	0.000%, 8/15/38	No Opt. Call	AAA	692,731

32,400 Total Texas 26,623,946

Principal Amount	Description (1)	Optional Call	Ratings	Value
(000)	Description (1)	Provisions (2)	(3)	v aruc
, ,	Utah – 0.6%			
\$ 1,405	Salt Lake City, Utah, Airport Revenue Bonds, International Airport Series 2017B, 5.000%, 7/01/42	7/27 at 100.00	A2	\$ 1,612,814
	Virginia – 2.4%			
1.160	Chesapeake Bay Bridge and Tunnel District, Virginia, General	7/06 + 100.00	DDD	1 207 405
1,160	Resolution Revenue Bonds, First Tier Series 2016, 5.000%, 7/01/51	7/26 at 100.00	BBB	1,297,495
	Chesapeake, Virginia, Transportation System Senior Toll Road			
1,400	Revenue Bonds, Capital Appreciation Series 2012B, 0.000%, 7/15/40 (5)	7/28 at 100.00	BBB	1,196,720
1,500	Virginia Housing Development Authority, Rental Housing Bonds, Series 2016B, 3.350%, 5/01/36	5/25 at 100.00	AA+	1,505,715
	Washington County Industrial Development Authority, Virginia	,		
2,000	Hospital Revenue Bonds, Mountain States Health Alliance,	1/19 at 100.00	BBB+	2,100,940
6,060	Series 2009C, 7.750%, 7/01/38 Total Virginia			6,100,870
•	Washington – 1.1%			
3,330	Chelan County Public Utility District 1, Washington, Columbia River-Rock Island Hydro-Electric System Revenue Refunding	No Opt. Call	AA+	2,321,343
5,550	Bonds, Series 1997A, 0.000%, 6/01/29 – NPFG Insured	No Opt. Can	AAT	2,321,343
440	Washington Health Care Facilities Authority, Revenue Bonds,	8/27 at 100.00	BBB	490,846
3,770	Virginia Mason Medical Center, Series 2017, 5.000%, 8/15/37 Total Washington	0.2. 00 100.00		2,812,189
3,770	West Virginia – 0.7%			2,012,107
	West Virginia Hospital Finance Authority, Hospital Revenue			
1,500	Bonds, West Virginia United Health System Obligated Group, Refunding & Improvement Series 2013A, 5.500%, 6/01/44	6/23 at 100.00	A	1,668,945
	Wisconsin – 4.8%			
1,000	Wisconsin Health and Educational Facilities Authority, Revenue	2/22 at 100.00	A-	1,090,980
•	Bonds, Marshfield Clinic, Series 2012B, 5.000%, 2/15/27 Wisconsin Health and Educational Facilities Authority, Revenue			, ,
1,605	Bonds, ProHealth Care, Inc. Obligated Group, Series 2009,	2/19 at 100.00	N/R (6)	1,690,611
	6.625%, 2/15/39 (Pre-refunded 2/15/19)			
9,000	Wisconsin State, General Fund Annual Appropriation Revenue Bonds, Refunding Series 2009A, 6.000%, 5/01/36 (Pre-refunded	5/19 at 100 00	Aa2 (6)	9 509 850
2,000	5/01/19)	3/17 at 100.00	7102 (0)	7,507,050
11,605	Total Wisconsin			12,291,441
\$ 297,870	Total Long-Term Investments (cost \$256,050,117)			279,915,154
	Floating Rate Obligations – (9.1)%			(23,125,000)
	Other Assets Less Liabilities – (0.9)%			(2,293,423)
	Net Assets – 100%			<sup>9</sup> 254,496,731

### Fair Value Measurements

Fair value is defined as the price that would be received upon selling an investment or transferring a liability in an orderly transaction to an independent buyer in the principal or most advantageous market for the investment. A three-tier hierarchy is used to maximize the use of observable market data and minimize the use of unobservable

inputs and to establish classification of fair value measurements for disclosure purposes. Observable inputs reflect the assumptions market participants would use in pricing the asset or liability. Observable inputs are based on market data obtained from sources independent of the reporting entity. Unobservable inputs reflect the reporting entity's own assumptions about the assumptions market participants would use in pricing the asset or liability. Unobservable inputs are based on the best information available in the circumstances. The following is a summary of the three-tiered hierarchy of valuation input levels.

Level 1 – Inputs are unadjusted and prices are determined using quoted prices in active markets for identical securities.

Level 2 – Prices are determined using other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3 – Prices are determined using significant unobservable inputs (including management's assumptions in determining the fair value of investments).

The inputs or methodologies used for valuing securities are not an indication of the risks associated with investing in those securities. The following is a summary of the Fund's fair value measurements as of the end of the reporting period:

Level 1 Level 2 Level 3 Total

Long-Term Investments:

Municipal Bonds \$ — \$279,915,154\$ — \$279,915,154

**Income Tax Information** 

The following information is presented on an income tax basis. Differences between amounts for financial statement and federal income tax purposes are primarily due to timing differences in recognizing taxable market discount, timing differences in recognizing certain gains and losses on investment transactions and the treatment of investments in inverse floating rate securities reflected as financing transactions, if any. To the extent that differences arise that are permanent in nature, such amounts are reclassified within the capital accounts on the Statement of Assets and Liabilities presented in the annual report, based on their federal tax basis treatment; temporary differences do not require reclassification. Temporary and permanent differences do not impact the net asset value of the Fund. The table below presents the cost and unrealized appreciation (depreciation) of the Fund's investment portfolio, as determined on a federal income tax basis, as of January 31, 2018.

Tax cost of investments \$232,031,737

Gross unrealized:

Appreciation \$ 25,325,650

Depreciation (567,277)

Net unrealized appreciation (depreciation) of investments \$24,758,373

- All percentages shown in the Portfolio of Investments are based on net assets.
   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.
   For financial reporting purposes, the ratings disclosed are the highest of Standard & Poor's Group ("Standard &
  - Poor's"), Moody's Investors Service, Inc. ("Moody's") or Fitch, Inc. ("Fitch") rating. This treatment of split-rated securities may differ from that used for other purposes, such as for Fund investment policies. Ratings below
- (3) securities may differ from that used for other purposes, such as for Fund investment policies. Ratings below BBB by Standard & Poor's, Baa by Moody's or BBB by Fitch are considered to be below investment grade. Holdings designated N/R are not rated by any of these national rating agencies.
- (4) Investment, or portion of investment, has been pledged to collateralize the net payment obligations for investments in inverse floating rate transactions.
- (5) Step-up coupon bond, a bond with a coupon that increases ("steps up"), usually at regular intervals, while the bond is outstanding. The rate shown is the coupon as of the end of the reporting period.
- 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.
  - As of, or subsequent to, the end of the reporting period, this security is non-income producing. Non-income producing, in the case of a fixed-income security, generally denotes that the issuer has (1) defaulted on the
- (7) payment of principal or interest, (2) is under the protection of the Federal Bankruptcy Court or (3) the Fund's Adviser has concluded that the issue is not likely to meet its future interest payment obligations and has ceased accruing additional income on the Fund's records.
  - Investment is exempt from registration under Rule 144A of the Securities Act of 1933, as amended. These
- 144A investments may only be resold in transactions exempt from registration, which are normally those transactions with qualified institutional buyers.

ETM Escrowed to maturity.

IF

Inverse floating rate security issued by a tender option bond ("TOB") trust, the interest rate on which varies inversely with the Securities Industry Financial Markets Association (SIFMA) short-term rate, which resets weekly, or a similar short-term rate, and is reduced by the expenses related to the TOB trust.

UB Underlying bond of an inverse floating rate trust reflected as a financing transaction.

WI/DD Investment, or portion of investment, purchased on a when-issued or delayed delivery basis.

#### Item 2. Controls and Procedures.

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

### Item 3. Exhibits.

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

#### **SIGNATURES**

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

(Registrant) Nuveen AMT-Free Municipal Value Fund

By (Signature and Title) /s/ Gifford R. Zimmerman

Gifford R. Zimmerman Vice President and Secretary

Date: March 29, 2018

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

By (Signature and

Title) /s/ Cedric H. Antosiewicz

Cedric H. Antosiewicz

Chief Administrative Officer (principal executive

officer)

Date: March 29,

2018

By (Signature and

Title) /s/ Stephen D. Foy

Stephen D. Foy

Vice President and Controller (principal financial

officer)

Date: March 29,

2018