NUVEEN SELECT TAX FREE INCOME PORTFOLIO 3 Form N-Q August 29, 2018

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-06693

Nuveen Select Tax-Free Income Portfolio 3

(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: March 31

Date of reporting period: June 30, 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

NXR					
	Nuveen Select Tax-Free Income Portfolio 3 Portfolio of Investments June 30, 2018				
(Unaudited)					
Principal Amount	Description (1)	Optional Call	Ratings	Value	
(000)		Provisions (2)	(3)	value	
. ,	LONG-TERM INVESTMENTS – 98.3%				
	MUNICIPAL BONDS – 98.3%				
	Alabama – 0.6% Birmingham, Alabama, General Obligation Convertible Capital			\$	
\$ 1,170	Appreciation Bonds, Series 2013A., 5.000%, 3/01/32	No Opt. Call	AA	1,292,476	
	Alaska – 1.3%				
2,675	Northern Tobacco Securitization Corporation, Alaska, Tobacco Settlement Asset-Backed Bonds, Series 2006A, 5.000%, 6/01/32	8/18 at 100.00	B3	2,675,161	
	Arizona – 0.1%				
	Maricopa County Industrial Development Authority, Arizona,				
215	Education Revenue Bonds, Paradise Schools Projects, Series 2016,	No Opt. Call	BB+	214,052	
	2.875%, 7/01/21, 144A California – 22.5%				
	Anaheim Public Financing Authority, California, Lease Revenue				
12,500	Bonds, Public Improvement Project, Series 1997C, 0.000%,	No Opt. Call	AA	6,377,625	
	9/01/35 – AGM Insured California County Tobacco Securitization Agency, Tobacco				
1,000	Settlement Asset-Backed Bonds, Los Angeles County	12/18 at 100.00)B2	1,008,660	
	Securitization Corporation, Series 2006A, 5.600%, 6/01/36				
1 105	California County Tobacco Securitization Agency, Tobacco	0/10 - 4 100 00		1 107 001	
1,125	Settlement Asset-Backed Bonds, Sonoma County Tobacco Securitization Corporation, Series 2005, 5.000%, 6/01/26	9/18 at 100.00	BBB+	1,127,801	
	California Statewide Community Development Authority, Revenue				
890	Bonds, Methodist Hospital Project, Series 2009, 6.750%, 2/01/38	8/19 at 100.00	N/R (4)	940,739	
	(Pre-refunded 8/01/19) California Statewide Financing Authority, Tobacco Settlement				
215	Asset-Backed Bonds, Pooled Tobacco Securitization Program,	9/18 at 100.00	Baa2	215,217	
	Series 2002A, 5.625%, 5/01/29			,	
	Folsom Cordova Unified School District, Sacramento County,				
2,275	California, General Obligation Bonds, School Facilities Improvement District 4, Series 2007A, 0.000%, 10/01/28 – NPF	No Opt. Call	AA-	1,643,369	
	Insured	0			
	Golden State Tobacco Securitization Corporation, California,				
3,370	Enhanced Tobacco Settlement Asset-Backed Revenue Bonds, Series 2005A, 0.000%, 6/01/28 – AMBAC Insured	No Opt. Call	A+	2,494,103	
4.055	Kern Community College District, California, General Obligation			2 0 2 5 4 5 1	
4,055	Bonds, Series 2003A, 0.000%, 3/01/28 – FGIC Insured	No Opt. Call	Aa2	3,035,451	
1 1 (0	Mount San Antonio Community College District, Los Angeles	0/25 / 100.00	A 1	050 050	
1,160	County, California, General Obligation Bonds, Election of 2008, Series 2013A, 0.000%, 8/01/43 (5)	8/35 at 100.00	Aal	959,250	
	Norwalk La Mirada Unified School District, Los Angeles County,				
11,985	California, General Obligation Bonds, Election of 2002, Series	No Opt. Call	AA	7,353,637	
	2007C, 0.000%, 8/01/32 – AGM Insured				

3,000	Palomar Pomerado Health, California, General Obligation Bonds, Capital Appreciation, Election of 2004, Series 2007A, 0.000%, 8/01/25 – NPFG Insured	No Opt. Call	А	2,416,410
8,040 1	Placentia-Yorba Linda Unified School District, Orange County, California, Certificates of Participation, Series 2006, 0.000%, 10/01/34 – NPFG Insured (ETM)	No Opt. Call	A+ (4)	5,012,458

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Portfo	en Select Tax-Free Income Portfolio 3 (continued) blio of Investments June 30, 2018 idited)			
Principal				
Amount (000)	Description (1)	Optional Call Provisions (2)		Value
. ,	California (continued)			
\$ 1,500	Placer Union High School District, Placer County, California, General Obligation Bonds, Series 2004C, 0.000%, 8/01/32 – AGM Insured	No Opt. Call	AA	\$946,185
	Poway Unified School District, San Diego County, California, General			
8,000	Obligation Bonds, School Facilities Improvement District 2007-1, Election 2008 Series 2009A, 0.000%, 8/01/32	No Opt. Call	AA-	4,935,840
	Rancho Mirage Redevelopment Agency, California, Tax Allocation			
3,940	Bonds, Combined Whitewater and 1984 Project Areas, Series 2003A, 0.000%, 4/01/35 – NPFG Insured	No Opt. Call	A+	2,066,963
	Riverside Public Financing Authority, California, Tax Allocation			
	Bonds, University Corridor/Sycamore Canyon Merged			
1,030	Redevelopment Project, Arlington Redevelopment Project, Hunter	9/18 at 100.00)A-	1,032,215
	Park/Northside Redevelopment Project, Magnolia Center			
	Redevelopment Project, 5.000%, 8/01/37 – NPFG Insured			
	San Diego Association of Governments, California, South Bay			
765	Expressway Toll Revenue Bonds, First Senior Lien Series 2017A, 5.000%, 7/01/42	7/27 at 100.00)A	883,521
	San Francisco City and County Public Utilities Commission,	11/24 at		
2,525	California, Water Revenue Bonds, Non-WSIP, Series 2017A.,	11/24 at 100.00	AA-	2,852,796
67,375	5.000%, 11/01/42 Total California	100.00		45,302,240
07,575	Colorado – 5.4%			15,502,210
	Centerra Metropolitan District 1, Loveland, Colorado, Special			
500	Revenue Bonds, Refunding & Improvement Series 2017, 5.000%,	No Opt. Call	N/R	541,445
	12/01/22, 144A			
2 000	Colorado Health Facilities Authority, Colorado, Revenue Bonds,	1/20 / 100.00		a ana a na
2,000	Sisters of Charity of Leavenworth Health Services Corporation, Series 2010A, 5.000%, 1/01/40	1/20 at 100.00)AA-	2,080,380
	Colorado School of Mines Board of Trustees, Golden, Colorado,	12/27 at		
790	Institutional Enterprise Revenue Bonds, Series 2017B, 5.000%,	12/27 at 100.00	A+	901,295
	12/01/42	100.00		
1,935	Denver City and County, Colorado, Airport System Revenue Bonds,	11/23 at	А	2,125,443
1,955	Subordinate Lien Series 2013B, 5.000%, 11/15/43	100.00	А	2,123,443
1,295	E-470 Public Highway Authority, Colorado, Senior Revenue Bonds,	No Opt. Call	А	775,912
1,_>0	Series 2000B, 0.000%, 9/01/32 – NPFG Insured	ne opu cui		,,,,,,,,
5,520	E-470 Public Highway Authority, Colorado, Toll Revenue Bonds,	9/20 at 63.98	А	3,340,207
	Series 2004B, 0.000%, 9/01/28 – NPFG Insured			
1,000	Park Creek Metropolitan District, Colorado, Senior Limited Property Tax Supported Revenue Bonds, Refunding Series 2015A, 5.000%,	12/25 at	А	1,131,280
,	12/01/33	100.00		,,=00
13,040	Total Colorado			10,895,962
	Connecticut – 2.5%			
1,500	Connecticut State, General Obligation Bonds, Refunding Series 2010C, 5.000%, 12/01/20	12/19 at 100.00	A1	1,566,555
		100.00		

1,500	Connecticut State, General Obligation Bonds, Refunding Series 2018C, 5.000%, 6/15/26	No Opt. Call	A1	1,693,785
1,640	Connecticut State, Special Tax Obligation Bonds, Transportation Infrastructure Purposes Series 2013A, 5.000%, 10/01/33	10/23 at 100.00	AA	1,783,877
4,640	Total Connecticut			5,044,217
390 2	Florida – 0.2% Broward County, Florida, Airport System Revenue Bonds, Series 2017, 5.000%, 10/01/42 (Alternative Minimum Tax)	10/27 at 100.00	A+	440,447

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	Guam – 1.8%			
\$ 1,250	Government of Guam, Business Privilege Tax Bonds, Refunding Series 2015D, 5.000%, 11/15/39	11/25 at 100.00	А	\$1,361,463
2,000	Government of Guam, Hotel Occupancy Tax Revenue Bonds, Series 2011A, 6.125%, 11/01/31	5/21 at 100.00	A-	2,188,640
3,250	Total Guam			3,550,103
	Idaho – 1.6%			
3,000	Idaho Health Facilities Authority, Revenue Bonds, Saint Luke's Health System Project, Series 2014A, 5.000%, 3/01/44 Illinois – 10.5%	3/24 at 100.00	A-	3,229,140
	Chicago Board of Education, Illinois, Dedicated Capital			
575	Improvement Tax Revenue Bonds, Series 2016, 6.000%, 4/01/46	4/27 at 100.00	А	674,170
	Chicago Board of Education, Illinois, General Obligation			
295	Bonds, Dedicated Revenues, Refunding Series 2017C, 5.000%, 12/01/30	12/27 at 100.00	BB-	308,741
3,900	Chicago Board of Education, Illinois, General Obligation Bonds, Series 1999A, 0.000%, 12/01/28 – FGIC Insured	No Opt. Call	Baa2	2,448,888
535	Chicago, Illinois, General Airport Revenue Bonds, O'Hare International Airport, Senior Lien Refunding Series 2016C, 5.000%, 1/01/20	No Opt. Call	А	560,049
	Chicago, Illinois, General Obligation Bonds, Project &			
870	Refunding Series 2006A, 4.625%, 1/01/31 – AGM Insured	9/18 at 100.00	AA	872,810
260	Illinois Finance Authority, Revenue Bonds, Rehabilitation Institute of Chicago, Series 2013A, 6.000%, 7/01/43	7/23 at 100.00	A-	289,169
1,500	Illinois Finance Authority, Revenue Bonds, Silver Cross Hospital and Medical Centers, Refunding Series 2008A, 5.500%, 8/15/30	8/18 at 100.00	BBB+	1,504,560
	Illinois Health Facilities Authority, Revenue Bonds,			
1,235	Evangelical Hospitals Corporation, Series 1992C, 6.250%, 4/15/22 (ETM)	No Opt. Call	N/R (4)	1,346,916
1,015	Illinois State, General Obligation Bonds, October Series 2016, 5.000%, 2/01/19	No Opt. Call	BBB	1,030,205
2,190	Illinois State, General Obligation Bonds, Refunding Series 2012, 5.000%, 8/01/23	No Opt. Call	BBB	2,322,714
1,000	Kankakee & Will Counties Community Unit School District 5, Illinois, General Obligation Bonds, Series 2006, 0.000%, 5/01/23 – AGM Insured	No Opt. Call	Aa3	868,990
2,500	Metropolitan Pier and Exposition Authority, Illinois, Revenue Bonds, McCormick Place Expansion Project, Series 2002A: 0.000%, 12/15/30 – NPFG Insured	No Opt. Call	Baa2	1,454,150
4,775	0.000%, 12/15/31 - NPFG Insured	No Opt. Call	Baa2	2,645,207
5,000	0.000%, $12/15/36$ – NPFG Insured	No Opt. Call	Baa2	2,045,207
2,000	0.000%, 6/15/37 - NPFG Insured	No Opt. Call	Baa2 Baa2	826,220
	Springfield, Illinois, Electric Revenue Bonds, Senior Lien	-	Duu	
1,400	Series 2015, 5.000%, 3/01/28	3/25 at 100.00	А	1,566,964
310	University of Illinois, Health Services Facilities System Revenue Bonds, Series 2013, 6.000%, 10/01/42	10/23 at 100.00	A-	349,667

29,360	Total Illinois		21,195,170
2,295	Indiana – 1.6% Boone County Hospital Association, Indiana, Lease Revenue Bonds, Series 2010, 5.250%, 7/15/25 (Pre-refunded 1/15/20)	1/20 at 100.00	AA+ (4) 2,417,783

NXRNuveen Select Tax-Free Income Portfolio 3 (continued) Portfolio of Investments June 30, 2018 (Unaudited)				
Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
\$ 1,000	Indiana (continued) Zionsville Community Schools Building Corporation, Indiana, First Mortgage Bonds, Series 2005Z, 0.000%, 7/15/28 – AGM Insured	No Opt. Call	AA	\$ 739,540
3,295	Total Indiana Iowa – 1.1%			3,157,323
570	Iowa Finance Authority, Iowa, Midwestern Disaster Area Revenue Bonds, Iowa Fertilizer Company Project, Series 2016, 5.875%, 12/01/26, 144A	12/19 at 104.00	В	598,973
660	Iowa Finance Authority, Iowa, Midwestern Disaster Area Revenue Bonds, Iowa Fertilizer Company Project, Series 2018B, 5.250%, 12/01/50 (Mandatory Put 12/01/22)	12/22 at 105.00	В	703,098
950	Iowa Tobacco Settlement Authority, Tobacco Asset-Backed Revenue Bonds, Series 2005B, 5.600%, 6/01/34	9/18 at 100.00	BB-	959,206
2,180	Total Iowa Massachusetts – 3.3%			2,261,277
1,000	Massachusetts Development Finance Agency, Revenue Bonds, CareGroup Issue, Refunding Series 2016-I, 5.000%, 7/01/21	No Opt. Call	A-	1,083,740
1,300	Massachusetts Development Finance Agency, Revenue Bonds, Olin College, Series 2013E, 5.000%, 11/01/43	11/23 at 100.00	A+	1,431,794
2,250	Massachusetts Development Finance Agency, Revenue Bonds, Partners HealthCare System, Series 2014M-4, 5.000%, 7/01/44 Massachusetts Development Finance Agency, Revenue Bonds,	7/23 at 100.00	AA-	2,459,475
400	UMass Memorial Health Care Obligated Group Issue, Series 2017L, 3.625%, 7/01/37	7/27 at 100.00	A-	390,060
1,165	University of Massachusetts Building Authority, Project Revenue Bonds, Senior Series 2014-1, 5.000%, 11/01/39	11/24 at 100.00	Aa2	1,316,240
6,115	Total Massachusetts Michigan – 0.3%			6,681,309
355	Detroit Water and Sewerage Department, Michigan, Sewage Disposal System Revenue Bonds, Refunding Senior Lien Series 2012A, 5.250%, 7/01/39	7/22 at 100.00	A	381,810
250	Royal Oak Hospital Finance Authority, Michigan, Hospital Revenue Bonds, William Beaumont Hospital, Refunding Series 2009V, 8.250%, 9/01/39 (Pre-refunded 9/01/18)	9/18 at 100.00	Aaa (4)	252,737
605	Total Michigan			634,547
1,830	Mississippi – 0.9% Warren County, Mississippi, Gulf Opportunity Zone Revenue Bonds, International Paper Company Project, Series 2008A, 6.500%, 9/01/32 Missouri – 0.1%	9/18 at 100.00	BBB	1,844,237
270	Bi-State Development Agency of the Missouri-Illinois Metropolitan District, Mass Transit Sales Tax Appropriation Bonds, Refunding Combined Lien Series 2013A, 5.000%, 10/01/28 Montana – 0.7%	10/18 at 100.00	AA+	272,403

	Montana Facilities Finance Authority, Revenue Bonds, Sisters of			
1,440	Charity of Leavenworth Health Services Corporation, Camposite	1/20 at 100.00	AA-	1,486,382
	Deal Series 2010A, 4.750%, 1/01/40			

Principal				
Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	Nebraska – 2.1%			
	Madison County Hospital Authority 1, Nebraska, Hospital			
\$ 250	Revenue Bonds, Faith Regional Health Services Project, Series	7/25 at 100.00	BBB	\$276,352
	2018, 5.000%, 7/01/26 Nebraska Public Power District, General Revenue Bonds, Series			
2,600	2015A-2, 5.000%, 1/01/40	1/22 at 100.00	A+	2,798,146
	Platte County School District 001, Columbus Public Schools,			
500	Nebraska, General Obligation Bonds, School Building Series 2014, 5.000%, 12/15/39	6/24 at 100.00	Aa2	560,480
500	Southeast Community College Area, Nebraska, Certificates of	6/28 at 100.00	Aa1	487,140
	Participation, Series 2018, 3.500%, 12/15/42	0/20 at 100.00	Aai	
3,850	Total Nebraska			4,122,118
	Nevada – 2.0% Corresp City, Navada, Hagnital Bayanya Banda, Corresp Tabaa			
445	Carson City, Nevada, Hospital Revenue Bonds, Carson Tahoe Regional Healthcare Project, Series 2017A, 5.000%, 9/01/37	9/27 at 100.00	BBB+	494,333
	Clark County, Nevada, Passenger Facility Charge Revenue Bonds,			
1,000	Las Vegas-McCarran International Airport, Series 2010A, 5.250%,	1/20 at 100.00	Aa3	1,050,800
	7/01/42			
2,500	North Las Vegas, Nevada, General Obligation Bonds, Series 2006,	9/18 at 100.00	BBB	2,501,750
	5.000%, 5/01/36 – NPFG Insured	<i>y</i> 10 u 100.00		
3,945	Total Nevada			4,046,883
	New Hampshire – 0.5% New Hampshire Business Finance Authority, Solid Waste Disposal			
1,000	Revenue Bonds, Waste Management Inc. Project, Series 2003.,	No Opt. Call	A-	1,000,550
,	3.125%, 8/01/24 (Alternative Minimum Tax)	I I I I I I I I I I I I I I I I I I I)
	New Jersey – 2.8%			
	New Jersey Economic Development Authority, Sublease Revenue			
1,850	Bonds, New Jersey Transit Corporation Projects, Refunding Series	No Opt. Call	A-	2,021,329
	2017B, 5.000%, 11/01/23			
305	New Jersey Health Care Facilities Financing Authority, Revenue Bonds, University Hospital Issue, Refunding Series 2015A,	7/25 at 100.00	ΔΔ	345,696
505	5.000%, $7/01/28 - AGM$ Insured	1125 at 100.00	1111	545,070
	New Jersey Transportation Trust Fund Authority, Transportation			
4,900	System Bonds, Refunding Series 2006C, 0.000%, 12/15/28 –	No Opt. Call	A-	3,203,032
	AMBAC Insured			
7,055	Total New Jersey			5,570,057
	New Mexico – 0.5% New Mexico Mortgage Finance Authority, Multifamily Housing			
1,000	Revenue Bonds, St Anthony, Series 2007A, 5.250%, 9/01/42	9/18 at 100.00	N/R	1,000,570
1,000	(Alternative Minimum Tax)	<i>7</i> /10 at 100.00	1.01	1,000,570
	New York -1.5%			
1,250	Metropolitan Transportation Authority, New York, Transportation	11/22 at 100.00	ΔΛ	1,389,975
1,230	Revenue Bonds, Refunding Series 2012F, 5.000%, 11/15/26	11/22 at 100.00	nn -	1,307,773
1.0(0)	New York City Municipal Water Finance Authority, New York,			1 400 5 5
1,260	Water and Sewer System Second General Resolution Revenue Ronda, Fiscal 2015 Spring HH, 5 000%, 6/15/27	6/25 at 100.00	AA+	1,423,762
265	Bonds, Fiscal 2015 Series HH, 5.000%, 6/15/37	12/20 at 100.00	Raa1	290,483
203		12/20 at 100.00	Dadi	270,405

	Port Authority of New York and New Jersey, Special Project			
	Bonds, JFK International Air Terminal LLC Project, Eighth Series			
	2010, 6.000%, 12/01/42			
2,775	Total New York			3,104,220
	North Carolina – 0.3%			
500	New Hanover County, North Carolina, General Obligation Bonds,	6/10 at 100.00	AAA	511,220
300	School Series 2009, 4.000%, 6/01/21 (Pre-refunded 6/01/19)	6/19 at 100.00	(4)	311,220
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NXRNuveen Select Tax-Free Income Portfolio 3 (continued) Portfolio of Investments June 30, 2018 (Unaudited)				
	incu)			
Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
	Ohio – 5.7%			
	American Municipal Power Ohio Inc., Prairie State Energy			
\$ 2,250	Campus Project Revenue Bonds, Series 2009A, 5.750%, 2/15/39 (Pre-refunded 2/15/19) – AGC Insured	2/19 at 100.00	AA (4)	\$2,309,558
	Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco			
1,465	Settlement Asset-Backed Revenue Bonds, Senior Lien, Series 2007A-2, 6.000%, 6/01/42	8/18 at 100.00	B-	1,464,985
	Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco			
3,720	Settlement Asset-Backed Revenue Bonds, Senior Lien, Series 2007A-3, 6.250%, 6/01/37	6/22 at 100.00	B-	3,888,181
1,500	Montgomery County, Ohio, Revenue Bonds, Miami Valley Hospital, Series 2011A, 5.750%, 11/15/21	11/20 at 100.00) A+	1,628,265
	Ohio Turnpike Commission, Turnpike Revenue Bonds,			
1,475	Infrastructure Project, Junior Lien Series 2013A-1, 5.000%, 2/15/48	2/23 at 100.00	Aa3	1,603,900
	Ohio Water Development Authority, Pollution Control Revenue			
1,000	Refunding Bonds, FirstEnergy Nuclear Generating Corporation	No Opt. Call	N/R	500,000
1,000	Project, Series 2005B, 4.000%, 1/01/34 (Mandatory Put 7/01/21)	No Opt. Call	11/1	500,000
	(6)			
11,410	Total Ohio			11,394,889
	Oklahoma – 0.2%			
	Oklahoma Development Finance Authority, Health System			
345	Revenue Bonds, OU Medicine Project, Series 2018B, 5.000%,	8/28 at 100.00	Baa3	384,710
	8/15/38			
	Oregon – 1.5%			
	Clackamas County Hospital Facility Authority, Oregon, Senior			
490	Living Revenue Bonds, Willamette View Project, Series 2017A,	No Opt. Call	N/R	517,474
	4.000%, 5/15/22 (WI/DD, Settling 7/05/18)			
545	Oregon Facilities Authority, Revenue Bonds, Reed College, Series	7/27 at 100.00	Aa2	571,879
	2017A, 4.000%, 7/01/41			- ·)- · ·
1,000	Oregon Facilities Authority, Revenue Bonds, Willamette	10/26 at 100.00) A	1,137,250
,	University, Refunding Series 2016B, 5.000%, 10/01/40			, ,
	Washington and Clackamas Counties School District 23J			
750	Tigard-Tualatin, Oregon, General Obligation Bonds, Series 2017,	6/27 at 100.00	AA+	886,328
2 705	5.000%, 6/15/30			0.110.001
2,785	Total Oregon			3,112,931
	Pennsylvania – 6.8%			
1,015	Delaware River Port Authority, New Jersey and Pennsylvania,	1/24 at 100.00	А	1,119,829
	Revenue Bonds, Series 2013, 5.000%, 1/01/37			
1,685	Pennsylvania Higher Educational Facilities Authority, Revenue	2/19 at 100.00	AA	1,717,200
	Bonds, Carnegie Mellon University, Series 2009, 5.000%, 8/01/21			
	Pennsylvania Turnpike Commission, Motor License Fund Enhanced Subordinata Special Payanua Ponds, Series			
	Fund-Enhanced Subordinate Special Revenue Bonds, Series 2010B-2:			
	2010 D ² 2.			

370	5.000%, 12/01/30 (Pre-refunded 12/01/20)	12/20 at 100.00 N/R (4)	398,083
200	5.000%, 12/01/30 (Pre-refunded 12/01/20)	12/20 at 100.00 N/R (4)	214,442
430	5.000%, 12/01/30 (Pre-refunded 12/01/20)	12/20 at 100.00 A2 (4)	462,637
2,075	Pennsylvania Turnpike Commission, Turnpike Revenue Bonds, Refunding Series 2009B, 5.000%, 12/01/22	12/19 at 100.00 A+	2,169,164
4,455	Philadelphia, Pennsylvania, Water and Wastewater Revenue Bonds, Series 2015A, 5.000%, 7/01/40	7/24 at 100.00 A+	4,963,761
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Principal		Optional Call	Ratings	
Amount (000)	Description (1)	Provisions (2)	(3)	Value
	Pennsylvania (continued)			
\$ 2,500	State Public School Building Authority, Pennsylvania, School Revenue Bonds, Harrisburg School District, Refunding Series	5/19 at 100.00	AA (4)	\$ 2,568,125
12,730	2009A, 4.750%, 11/15/29 (Pre-refunded 5/15/19) – AGC Insure Total Pennsylvania	ed		13,613,241
12,750	Puerto Rico -0.5%			15,015,241
	Puerto Rico Highway and Transportation Authority, Highway			
945	Revenue Bonds, Series 2007N, 5.250%, 7/01/31 – AMBAC Insured	No Opt. Call	С	1,008,844
	South Carolina – 1.5%			
	South Carolina Public Service Authority, Revenue Obligation			
3,000	Bonds, Santee Cooper Electric System, Series 2008A, 5.500%, 1/01/38 (Pre-refunded 1/01/19) – BHAC Insured	1/19 at 100.00	AA+ (4)3,060,240
	South Dakota – 0.2% South Dakota Health and Educational Facilities Authority,			
400	Revenue Bonds, Sanford Health, Series 2015, 5.000%, 11/01/35 Tennessee – 0.4%	11/25 at 100.00) A+	445,576
	Chattanooga Health, Educational and Housing Facility Board,			
795	Tennessee, Revenue Bonds, Catholic Health Initiatives, Series	1/23 at 100.00	BBB+	849,322
	2013A, 5.250%, 1/01/45			
	Texas – 9.7%			
250	Central Texas Regional Mobility Authority, Revenue Bonds,	1/21 at 100.00	BBB+	274,535
	Senior Lien Series 2011, 6.000%, 1/01/41 (Pre-refunded 1/01/21) Central Texas Regional Mobility Authority, Revenue Bonds,		(4)	·
85	Senior Lien, Series 2015A, 5.000%, 1/01/34	7/25 at 100.00	BBB+	93,960
	Dallas Area Rapid Transit, Texas, Sales Tax Revenue Bonds,			
1,000	Senior Lien Series 2008, 5.000%, 12/01/23 (Pre-refunded 12/01/18)	12/18 at 100.00) AA+ (4)1,014,690
4,640	Grand Parkway Transportation Corporation, Texas, System Toll Revenue Bonds, First Tier Series 2013A, 5.500%, 4/01/53	10/23 at 100.00	A-	5,198,795
	Harris County-Houston Sports Authority, Texas, Revenue Bonds,			
1 405	Junior Lien Series 2001H:	11/21 404.05	D 0	77(220
1,405 2,510	0.000%, 11/15/32 – NPFG Insured 0.000%, 11/15/36 – NPFG Insured	11/31 at 94.05 11/31 at 73.51		776,220 1,061,404
	Harris County-Houston Sports Authority, Texas, Revenue Bonds,			
2,235	Third Lien Series 2004A-3, 0.000%, 11/15/32 – NPFG Insured	11/24 at 62.70	Baa2	1,102,101
	Harris County-Houston Sports Authority, Texas, Special Revenue			
	Bonds, Refunding Senior Lien Series 2001A:			
3,045	0.000%, 11/15/34 – NPFG Insured	11/30 at 78.27		1,540,496
4,095	0.000%, 11/15/38 – NPFG Insured	11/30 at 61.17	AA	1,587,836
2 255	Love Field Airport Modernization Corporation, Texas, Special	11/20 at 100.00	1 1 2	2 401 160
2,255	Facilities Revenue Bonds, Southwest Airlines Company, Series 2010, 5.250%, 11/01/40	11/20 at 100.00	n nj	2,401,169
	North Texas Tollway Authority, System Revenue Bonds,			
290	Refunding First Tier Capital Appreciation Series 2008I, 6.200%,	1/25 at 100.00	AA	346,469
	1/01/42 – AGC Insured			
2,000		12/22 at 100.00	A3	2,164,580

Texas Municipal Gas Acquisition and Supply Corporation III, Gas Supply Revenue Bonds, Series 2012, 5.000%, 12/15/32

	Select Tax-Free Income Portfolio 3 (continued) of Investments June 30, 2018 ed)			
Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
¢ 0.410	Texas (continued) Texas Turnpike Authority, Central Texas Turnpike System			¢ 1.0(7.(0 0
\$ 2,410	Revenue Bonds, First Tier Series 2002A, 0.000%, 8/15/25 – AMBAC Insured	No Opt. Call	A-	\$ 1,967,620
26,220	Total Texas			19,529,875
	Virginia – 2.6% Chesapeake, Virginia, Transportation System Senior Toll			
3,500	Road Revenue Bonds, Capital Appreciation Series 2012B, 0.000%, 7/15/32 (5)	7/28 at 100.00	BBB	3,062,885
	Virginia Small Business Financing Authority, Senior Lien Revenue Bonds, Elizabeth River Crossing, Opco LLC Project			
	Series 2012:	•		
410	6.000%, 1/01/37 (Alternative Minimum Tax)	7/22 at 100.00	BBB	454,186
1,510	5.500%, 1/01/42 (Alternative Minimum Tax)	7/22 at 100.00	BBB	1,633,956
5,420	Total Virginia Washington – 4.1%			5,151,027
1,020	Port of Seattle, Washington, Revenue Bonds, Refunding First Lien Series 2016A, 5.000%, 10/01/18	No Opt. Call	Aa2	1,029,159
000	Washington Health Care Facilities Authority, Revenue Bonds		A .	1 055 440
990	Fred Hutchinson Cancer Research Center, Series 2011A, 5.625%, 1/01/35	1/21 at 100.00	A+	1,055,449
	Washington Health Care Facilities Authority, Revenue Bonds	,		
4,000	Providence Health & Services, Refunding Series 2012A, 5.000%, 10/01/32	10/22 at 100.00	AA-	4,423,960
1,700	Washington State Health Care Facilities Authority, Revenue Bonds, PeaceHealth, Refunding Series 2009, 5.000%,	11/19 at 100.00	A+	1,763,036
1,700	11/01/28	11/17 at 100.00	111	1,705,050
7,710	Total Washington			8,271,604
	Wisconsin – 0.9% Wisconsin Health and Educational Facilities Authority,			
1,250	Revenue Bonds, Marshfield Clinic, Series 2012B, 5.000%, 2/15/32	2/22 at 100.00	A-	1,337,250
415	Wisconsin, General Obligation Refunding Bonds, Series 2003-3, 5.000%, 11/01/26	9/18 at 100.00	AA+	416,204
1,665	Total Wisconsin			1,753,454
\$ 234,400	Total Municipal Bonds (cost \$175,873,177)			198,107,777
Principal Amo (000)	unt Description (1)	Coupon Maturity (3	atings 3)	Value
. ,	CORPORATE BONDS – 0.0%	X		
	Transportation – 0.0%			
\$ 89	Las Vegas Monorail Company, Senior Interest Bonds (7), (8)			\$57,463
25	Las Vegas Monorail Company, Senior Interest Bonds (7), (8)	5.500% 7/15/55 N	/R	12,358

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\$ 114	Total Corporate Bonds (cost \$6,909)	69,821
	Total Long-Term Investments (cost \$175,880,086) Other Assets Less Liabilities – 1.7%	198,177,598 3,341,464
	Net Assets – 100%	\$ 201,519,062
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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.).

Prices are determined using significant unobservable inputs (including management's assumptions in Level 3 – 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: 1.0 1.0 T

	Level 1	Level 2	Level 3	Total
Long-Term Investments	:			
Municipal Bonds	\$ —	\$198,107,777	7\$ —	\$198,107,777
Corporate Bonds			69,821	69,821
Total	\$ —	\$198,107,777	7\$69,821	\$198,177,598

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 June 30, 2018.

Tax cost of investments	\$173,983,017
Gross unrealized:	
Appreciation	\$ 24,862,698
Depreciation	(668,117)
Net unrealized appreciation (depreciation) of investments	\$ 24,194,581
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NXRNuveen Select Tax-Free Income Portfolio 3 (continued)

Portfolio of Investments June 30, 2018

(Unaudited)

- (1) 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
 (2) 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 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) 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.
- (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. 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
- (6) 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.
 During January 2010, Las Vegas Monorail Company ("Las Vegas Monorail") filed for federal bankruptcy protection. During March 2012, Las Vegas Monorail emerged from federal bankruptcy with the acceptance of

a reorganization plan assigned by the Federal Bankruptcy Court. Under the reorganization plan, the Fund surrendered its Las Vegas Monorail Project Revenue Bonds, First Tier, Series 2000 and in turn received two senior interest corporate bonds: the first with an annual coupon rate of 5.500% maturing on July 15, 2019 and

- (7) senior interest corporate bonds: the first with an annual coupon rate of 5.500% maturing on July 15, 2019 and the second with an annual coupon rate of 3.000% (5.500% after December 31, 2015) maturing on July 15, 2055. The Fund was not accruing income for either senior interest corporate bond. On January 18, 2017, the Fund's Adviser determined it was likely that this senior interest corporate bond would fulfill its obligation on the security maturing on July 15, 2019, and therefore began accruing income on the Fund's records.
 (7) Investment valued at fair value using methods determined in good faith by, or at the discretion of the Board.
- (8) Investment value at fair value using methods determined in good faith by, or at the discretion of the Board
 For fair value measurement disclosure purposes, investment classified as Level 3.
 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.

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

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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 Select Tax-Free Income Portfolio 3
By (Signature and Title)	/s/ Gifford R. Zimmerman
	Gifford R. Zimmerman Vice President and Secretary
Date: August 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: August 29, 2018			
By (Signature and Title)	/s/ Stephen D. Foy		
	Stephen D. Foy		
	Vice President and Controller (principal financial officer)		

Date: August 29, 2018