NUVEEN SELECT TAX FREE INCOME PORTFOLIO 3 Form N-Q March 01, 2019

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 811-06693

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: December 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

| NXR | | | | |
|------------------|---|-----------------|---------|-----------|
| Nuveen Sele | ct Tax-Free Income Portfolio 3 | | | |
| Portfolio of l | Investments December 31, 2018 | | | |
| (Unaudited) | | | | |
| Principal | | 0 4 1 0 11 | D .: | |
| Amount | Description (1) | Optional Call | Ratings | Value |
| (000) | • | Provisions (2) | (3) | |
| , | LONG-TERM INVESTMENTS - 98.8% | | | |
| | MUNICIPAL BONDS – 98.8% | | | |
| | Alabama – 0.6% | | | |
| ф.1.1 7 0 | Birmingham, Alabama, General Obligation Convertible Capital | N. O . G 11 | | \$ |
| \$ 1,170 | Appreciation Bonds, Series 2013A, 5.000%, 3/01/32 | No Opt. Call | AA | 1,277,617 |
| | Alaska – 1.3% | | | , , |
| 2.675 | Northern Tobacco Securitization Corporation, Alaska, Tobacco | 2/10 / 100 00 | D.O | 2 (2(200 |
| 2,675 | Settlement Asset-Backed Bonds, Series 2006A, 5.000%, 6/01/32 | 3/19 at 100.00 | В3 | 2,626,208 |
| | Arizona – 0.1% | | | |
| | Maricopa County Industrial Development Authority, Arizona, | | | |
| 215 | Education Revenue Bonds, Paradise Schools Projects, Series 2016, | No Opt. Call | BB+ | 213,286 |
| | 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 | 6,611,000 |
| | 9/01/35 – AGM Insured | | | |
| | California County Tobacco Securitization Agency, Tobacco | | | |
| 1,000 | Settlement Asset-Backed Bonds, Los Angeles County | 12/19 at 100.00 |)B2 | 1,000,550 |
| | Securitization Corporation, Series 2006A, 5.600%, 6/01/36 | | | |
| | California County Tobacco Securitization Agency, Tobacco | | | |
| 1,125 | Settlement Asset-Backed Bonds, Sonoma County Tobacco | 3/19 at 100.00 | BBB+ | 1,127,678 |
| | Securitization Corporation, Series 2005, 5.000%, 6/01/26 | | | |
| | 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) | 916,397 |
| | (Pre-refunded 8/01/19) | | | |
| | California Statewide Financing Authority, Tobacco Settlement | | _ | |
| 160 | Asset-Backed Bonds, Pooled Tobacco Securitization Program, | 3/19 at 100.00 | Baa2 | 161,091 |
| | Series 2002A, 5.625%, 5/01/29 | | | |
| | Folsom Cordova Unified School District, Sacramento County, | | | |
| 2,275 | California, General Obligation Bonds, School Facilities | No Opt. Call | AA- | 1,689,005 |
| , | Improvement District 4, Series 2007A, 0.000%, 10/01/28 – NPFC | j | | ,, |
| | Insured | | | |
| 2.270 | Golden State Tobacco Securitization Corporation, California, | N. O . C 11 | | 2.567.720 |
| 3,370 | Enhanced Tobacco Settlement Asset-Backed Revenue Bonds, | No Opt. Call | A+ | 2,567,738 |
| | Series 2005A, 0.000%, 6/01/28 – AMBAC Insured | | | |
| 4,055 | Kern Community College District, California, General Obligation | No Opt. Call | Aa2 | 3,168,780 |
| | Bonds, Series 2003A, 0.000%, 3/01/28 – FGIC Insured | - | | |
| 1 160 | Mount San Antonio Community College District, Los Angeles | 9/25 -4 100 00 | A = 1 | 002 200 |
| 1,160 | County, California, General Obligation Bonds, Election of 2008, | 8/35 at 100.00 | Aal | 983,390 |
| | Series 2013A, 0.000%, 8/01/43 (5) Negroals Lea Mirade Unified School District. Lea Angeles County | | | |
| 11 095 | Norwalk La Mirada Unified School District, Los Angeles County, | No Opt Call | Λ Λ | 7,592,977 |
| 11,985 | California, General Obligation Bonds, Election of 2002, Series 2007C, 0.000%, 8/01/32 – AGM Insured | No Opt. Call | AA | 1,374,711 |
| | 2007C, 0.00070, 0/01/32 - AOWI HISUICU | | | |

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|--|---|--------------|--------|-----------|
| 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 | A2 | 2,484,000 |
| 8,040 | 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) | 5,101,702 |
| 1 | | | | |

| NXRNuveen Select Tax-Free Income Portfolio 3 (continued) Portfolio of Investments December 31, 2018 (Unaudited) | | | | |
|---|--|------------------|---------|------------------|
| Principal | | | | |
| Amount | Description (1) | Optional Call | Ratings | Value |
| (000) | 2 00 mp. (2) | Provisions (2) | (3) | , care-c |
| (000) | California (continued) | | | |
| | Placer Union High School District, Placer County, California, | | | |
| ¢ 1 500 | · | Ma Ont Call | AA | \$069.250 |
| \$ 1,500 | General Obligation Bonds, Series 2004C, 0.000%, 8/01/32 – AG | тио Орг. Сап | AA | \$968,250 |
| | Insured Payer Unified School District Son Disco County Colifornia | | | |
| 0.000 | Poway Unified School District, San Diego County, California, | N - O - 4 C - 11 | A A | 5 000 (40 |
| 8,000 | General Obligation Bonds, School Facilities Improvement District | No Opt. Call | AA- | 5,088,640 |
| | 2007-1, Election 2008 Series 2009A, 0.000%, 8/01/32 | | | |
| 2 0 4 0 | Rancho Mirage Redevelopment Agency, California, Tax | | | |
| 3,940 | Allocation Bonds, Combined Whitewater and 1984 Project Areas, | No Opt. Call | A+ | 2,127,403 |
| | Series 2003A, 0.000%, 4/01/35 – NPFG Insured | | | |
| | San Diego Association of Governments, California, South Bay | | | |
| 765 | Expressway Toll Revenue Bonds, First Senior Lien Series 2017A, | 7/27 at 100.00 | A | 860,051 |
| | 5.000%, 7/01/42 | | | |
| | San Francisco City and County Public Utilities Commission, | | | |
| 2,525 | California, Water Revenue Bonds, Non-WSIP, Series 2017A, | 11/24 at 100.00 | AA- | 2,818,809 |
| | 5.000%, 11/01/42 | | | |
| 66,290 | Total California | | | 45,267,461 |
| | Colorado – 5.4% | | | |
| | Centerra Metropolitan District 1, Loveland, Colorado, Special | | | |
| 500 | Revenue Bonds, Refunding & Improvement Series 2017, 5.000%, | No Opt. Call | N/R | 532,070 |
| | 12/01/22, 144A | • | | |
| | Colorado Health Facilities Authority, Colorado, Revenue Bonds, | | | |
| 2,000 | Sisters of Charity of Leavenworth Health Services Corporation, | 1/20 at 100.00 | AA- | 2,050,800 |
| , | Series 2010A, 5.000%, 1/01/40 | | | , , |
| | Colorado School of Mines Board of Trustees, Golden, Colorado, | | | |
| 790 | Institutional Enterprise Revenue Bonds, Series 2017B, 5.000%, | 12/27 at 100.00 | A+ | 881,300 |
| 770 | 12/01/47 | 12/27 at 100.00 | 211 | 001,500 |
| | Denver City and County, Colorado, Airport System Revenue | | | |
| 1,935 | Bonds, Subordinate Lien Series 2013B, 5.000%, 11/15/43 | 11/23 at 100.00 | A+ | 2,116,290 |
| | E-470 Public Highway Authority, Colorado, Senior Revenue | | | |
| 1,295 | Bonds, Series 2000B, 0.000%, 9/01/32 – NPFG Insured | No Opt. Call | A | 761,991 |
| | E-470 Public Highway Authority, Colorado, Toll Revenue Bonds, | | | |
| 5,520 | Series 2004B, 0.000%, 9/01/28 – NPFG Insured | 9/20 at 63.98 | A | 3,359,362 |
| | Park Creek Metropolitan District, Colorado, Senior Limited | | | |
| 1 000 | * | 12/25 -4 100 00 | ٨ | 1 104 260 |
| 1,000 | Property Tax Supported Revenue Bonds, Refunding Series | 12/25 at 100.00 | A | 1,104,260 |
| 12.040 | 2015A, 5.000%, 12/01/33 | | | 10.006.072 |
| 13,040 | Total Colorado | | | 10,806,073 |
| | Connecticut – 2.5% | | | |
| 1,500 | Connecticut State, General Obligation Bonds, Refunding Series | 12/19 at 100.00 | A1 | 1,538,610 |
| , - | 2010C, 5.000%, 12/01/20 | | | , -, |
| 1,500 | Connecticut State, General Obligation Bonds, Refunding Series | No Opt. Call | A1 | 1,708,590 |
| , | 2018C, 5.000%, 6/15/26 | F | | , ,. |
| 1,615 | Connecticut State, Special Tax Obligation Bonds, Transportation | 10/23 at 100.00 | A+ | 1,761,997 |
| 1,013 | Infrastructure Purposes Series 2013A, 5.000%, 10/01/30 | | | -,. ~ 1,2 / 1 |

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|------------|---|--------------------|-----------|--|--|
| 4,615 | Total Connecticut Florida – 0.2% | | 5,009,197 | | |
| 390 | Greater Orlando Aviation Authority, Florida, Orlando Airport Facilities Revenue Bonds, Priority Subordinated Series 2017, 5.000%, 10/01/47 (Alternative Minimum Tax) Guam – 1.7% | 10/27 at 100.00 A+ | 431,243 | | |
| 1,250 | Government of Guam, Business Privilege Tax Bonds, Refunding Series 2015D, 5.000%, 11/15/39 | 11/25 at 100.00 BB | 1,301,488 | | |
| 2,000 | Government of Guam, Hotel Occupancy Tax Revenue Bonds, Series 2011A, 6.125%, 11/01/31 | 5/21 at 100.00 BB | 2,134,760 | | |
| 3,250 2 | Total Guam | | 3,436,248 | | |

| Principal | | 0 1 10 11 | ъ.: | |
|--------------|---|---------------------------------|-------------|-----------------|
| Amount (000) | Description (1) | Optional Call Provisions (2) | Ratings (3) | Value |
| | 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 – 9.9% | 3/24 at 100.00 | A- | \$ 3,203,370 |
| 575 | Chicago Board of Education, Illinois, Dedicated Capital Improvement Tax Revenue Bonds, Series 2016, 6.000%, 4/01/46 | 4/27 at 100.00 | A | 654,614 |
| 295 | Chicago Board of Education, Illinois, General Obligation Bonds, Dedicated Revenues, Refunding Series 2017C, 5.000%, 12/01/30 | 12/27 at 100.00 | BB- | 306,378 |
| 3,900 | Chicago Board of Education, Illinois, General Obligation Bonds, Series 1999A, 0.000%, 12/01/28 – FGIC Insured | No Opt. Call | Baa2 | 2,598,258 |
| 535 | Chicago, Illinois, General Airport Revenue Bonds, O'Hare International Airport, Senior Lien Refunding Series 2016C, 5.000%, 1/01/20 | No Opt. Call | A | 551,366 |
| 870 | Chicago, Illinois, General Obligation Bonds, Project & Refunding Series 2006A, 4.625%, 1/01/31 – AGM Insured | 3/19 at 100.00 | AA | 872,993 |
| 260 | Illinois Finance Authority, Revenue Bonds, Rehabilitation Institute of Chicago, Series 2013A, 6.000%, 7/01/43 | 7/23 at 100.00 | A- | 285,568 |
| 1,235 | Illinois Health Facilities Authority, Revenue Bonds, Evangelical Hospitals Corporation, Series 1992C, 6.250%, 4/15/22 (ETM) | No Opt. Call | N/R (4) | 1,321,104 |
| 1,015 | Illinois State, General Obligation Bonds, October Series 2016, 5.000%, 2/01/19 | No Opt. Call | BBB | 1,017,081 |
| 2,190 | Illinois State, General Obligation Bonds, Refunding Series 2012, 5.000%, 8/01/23 | No Opt. Call | BBB | 2,323,021 |
| 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 | 891,560 |
| | Metropolitan Pier and Exposition Authority, Illinois, Revenue Bonds, McCormick Place Expansion Project, Series 2002A: | | | |
| 2,500 | 0.000%, 12/15/30 – NPFG Insured | No Opt. Call | BBB | 1,500,125 |
| 4,775 | 0.000%, 12/15/31 - NPFG Insured | No Opt. Call | BBB | 2,721,129 |
| 5,000 | 0.000%, 12/15/36 - NPFG Insured | No Opt. Call | BBB | 2,190,900 |
| 2,000 | 0.000%, 6/15/37 – NPFG Insured | No Opt. Call | BBB | 848,760 |
| 1,400 | Springfield, Illinois, Electric Revenue Bonds, Senior Lien Series 2015, 5.000%, 3/01/28 | 3/25 at 100.00 | A | 1,570,604 |
| 310 | University of Illinois, Health Services Facilities System Revenue Bonds, Series 2013, 6.000%, 10/01/42 | 10/23 at 100.00 | A- | 347,330 |
| 27,860 | Total Illinois Indiana – 1.6% | | | 20,000,791 |
| 2,295 | 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) | 2,375,922 |
| 1,000 | Zionsville Community Schools Building Corporation, Indiana, First Mortgage Bonds, Series 2005Z, 0.000%, 7/15/28 – AGM | No Opt. Call | AA | 761,400 |
| 3,295 | Insured Total Indiana | | | 3,137,322 |
| 570 | Iowa – 1.1% | 12/19 at 104.00 | В | 598,979 |

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3

Iowa Finance Authority, Iowa, Midwestern Disaster Area
Revenue Bonds, Iowa Fertilizer Company Project, Series 2016,
5.875%, 12/01/26, 144A
Iowa Finance Authority, Iowa, Midwestern Disaster Area
Revenue Bonds, Iowa Fertilizer Company Project, Series 2018B, 12/22 at 105.00 B
5.250%, 12/01/50 (Mandatory Put 12/01/22)

| NXR Nuveen Select Tax-Free Income Portfolio 3 (continued) Portfolio of Investments December 31, 2018 | | | | |
|--|---|---------------------------------|-------------|-------------------|
| (Unaud | ited) | | | |
| Principal Amount (000) | Description (1) | Optional Call Provisions (2) | Ratings (3) | Value |
| (000) | Iowa (continued) | | | |
| . | Iowa Tobacco Settlement Authority, Tobacco Asset-Backed | 240 40000 | | * 0.50.010 |
| \$ 950 | Revenue Bonds, Series 2005B, 5.600%, 6/01/34 | 3/19 at 100.00 | BB- | \$ 950,313 |
| 2,180 | Total Iowa | | | 2,251,585 |
| • | Massachusetts – 6.3% | | | |
| 2 220 | Massachusetts Development Finance Agency, Revenue Bonds, | 10/26 -+ 100 00 | A = 2 | 2 402 564 |
| 2,230 | Boston University, Series 2016BB-1, 5.000%, 10/01/46 | 10/26 at 100.00 | Aa3 | 2,493,564 |
| 1.000 | Massachusetts Development Finance Agency, Revenue Bonds, | N 0 . C 11 | | 1.064.240 |
| 1,000 | CareGroup Issue, Refunding Series 2016-I, 5.000%, 7/01/21 | No Opt. Call | A- | 1,064,340 |
| 1 200 | Massachusetts Development Finance Agency, Revenue Bonds, | 11/22 - 100.00 | | 1 414 166 |
| 1,300 | Olin College, Series 2013E, 5.000%, 11/01/43 | 11/23 at 100.00 | A+ | 1,414,166 |
| 2.250 | Massachusetts Development Finance Agency, Revenue Bonds, | 7/02 - 100 00 | | 2 412 417 |
| 2,250 | Partners HealthCare System, Series 2014M-4, 5.000%, 7/01/44 | 7/23 at 100.00 | AA- | 2,413,417 |
| | Massachusetts Development Finance Agency, Revenue Bonds, | | | |
| 400 | UMass Memorial Health Care Obligated Group Issue, Series | 7/27 at 100.00 | A- | 390,240 |
| | 2017L, 3.625%, 7/01/37 | | | • |
| 2,180 | Massachusetts Water Resources Authority, General Revenue | 0/06 + 100 00 | | 0.457.776 |
| | Bonds, Refunding Green Series 2016C, 5.000%, 8/01/40 | 8/26 at 100.00 | AA+ | 2,457,776 |
| 1 000 | Newburyport, Massachusetts, General Obligation Bonds, | 1/00 . 100 00 | | 1.054.450 |
| 1,000 | Municipal Purpose Loan, Refunding Series 2013, 4.000%, 1/15/30 | 1/23 at 100.00 | AAA | 1,054,450 |
| 1.165 | University of Massachusetts Building Authority, Project Revenue | 11/24 . 100.00 | | 1 200 221 |
| 1,165 | Bonds, Senior Series 2014-1, 5.000%, 11/01/39 | 11/24 at 100.00 | Aa2 | 1,299,231 |
| 11,525 | Total Massachusetts | | | 12,587,184 |
| | Michigan – 1.3% | | | |
| | Detroit Water and Sewerage Department, Michigan, Sewage | | | |
| 355 | Disposal System Revenue Bonds, Refunding Senior Lien Series | 7/22 at 100.00 | A+ | 381,188 |
| | 2012A, 5.250%, 7/01/39 | | | • |
| • • • • • | Michigan State Building Authority, Revenue Bonds, Facilities | 10/26 . 100 00 | | 2 20 6 100 |
| 2,000 | Program, Refunding Series 2016-I, 5.000%, 4/15/35 | 10/26 at 100.00 | Aa2 | 2,286,180 |
| 2,355 | Total Michigan | | | 2,667,368 |
| | Missouri – 0.1% | | | |
| | Bi-State Development Agency of the Missouri-Illinois | | | |
| 270 | Metropolitan District, Mass Transit Sales Tax Appropriation | 2/10 / 100 00 | | 270 422 |
| 270 | Bonds, Refunding Combined Lien Series 2013A, 5.000%, | 3/19 at 100.00 | AA+ | 270,432 |
| | 10/01/28 | | | |
| | Montana – 0.7% | | | |
| | Montana Facility Finance Authority, Revenue Bonds, Sisters of | | | |
| 1,440 | Charity of Leavenworth Health Services Corporation, Camposite | 1/20 at 100.00 | AA- | 1,468,915 |
| | Deal Series 2010A, 4.750%, 1/01/40 | | | |
| | Nebraska – 2.0% | | | |
| | Madison County Hospital Authority 1, Nebraska, Hospital | | | |
| 250 | Revenue Bonds, Faith Regional Health Services Project, Series | 7/25 at 100.00 | BBB | 277,748 |
| | 2018, 5.000%, 7/01/26 | | | |
| 2,600 | | 1/22 at 100.00 | A+ | 2,774,772 |
| | | | | |

Nebraska Public Power District, General Revenue Bonds, Series 2015A-2, 5.000%, 1/01/40
Platte County School District 001, Columbus Public Schools,
Nebraska, General Obligation Bonds, School Building Series 6/24 at 100.00 Aa2 559,795 2014, 5.000%, 12/15/39

500

| Principal Amount (000) | Description (1) | Optional Call Provisions (2) | Ratings (3) | Value |
|------------------------------|---|---------------------------------|-------------|------------|
| \$ 500 | Nebraska (continued) Southeast Community College Area, Nebraska, Certificates of Participation, Series 2018, 3.500%, 12/15/42 | 6/28 at 100.00 | Aa1 | \$ 481,885 |
| 3,850 | Total Nebraska Nevada – 0.8% | | | 4,094,200 |
| 445 | Carson City, Nevada, Hospital Revenue Bonds, Carson Tahoe Regional Healthcare Project, Series 2017A, 5.000%, 9/01/37 Clark County, Nevada, Passenger Facility Charge Revenue Bonds, | 9/27 at 100.00 | BBB+ | 479,305 |
| 1,000 | Las Vegas-McCarran International Airport, Series 2010A, 5.250%, 7/01/42 | 1/20 at 100.00 | Aa3 | 1,026,440 |
| 1,445 | Total Nevada | | | 1,505,745 |
| 1,000 | New Hampshire – 0.5% New Hampshire Business Finance Authority, Solid Waste Disposal Revenue Bonds, Waste Management Inc. Project, Series 2003, 3.125%, 8/01/24 (Alternative Minimum Tax) | No Opt. Call | A- | 1,008,410 |
| 1,850 | New Jersey – 2.8% New Jersey Economic Development Authority, Sublease Revenue Bonds, New Jersey Transit Corporation Projects, Refunding Series 2017B, 5.000%, 11/01/23 | No Opt. Call | A- | 2,027,267 |
| 305 | New Jersey Health Care Facilities Financing Authority, Revenue Bonds, University Hospital Issue, Refunding Series 2015A, 5.000%, 7/01/28 – AGM Insured | 7/25 at 100.00 | AA | 346,532 |
| 4,900 | New Jersey Transportation Trust Fund Authority, Transportation System Bonds, Refunding Series 2006C, 0.000%, 12/15/28 – AMBAC Insured | No Opt. Call | A- | 3,323,474 |
| 7,055 | Total New Jersey | | | 5,697,273 |
| 1,000 | New Mexico – 0.5% New Mexico Mortgage Finance Authority, Multifamily Housing Revenue Bonds, St Anthony, Series 2007A, 5.250%, 9/01/42 | 3/19 at 100.00 | N/R | 1,000,570 |
| | (Alternative Minimum Tax) | | | |
| 1,250 | New York – 1.5% Metropolitan Transportation Authority, New York, Transportation Revenue Bonds, Refunding Series 2012F, 5.000%, 11/15/26 | 11/22 at 100.00 | AA- | 1,363,975 |
| 1,260 | New York City Municipal Water Finance Authority, New York, Water and Sewer System Second General Resolution Revenue Bonds, Fiscal 2015 Series HH, 5.000%, 6/15/37 | 6/25 at 100.00 | AA+ | 1,414,615 |
| 265 | Port Authority of New York and New Jersey, Special Project Bonds, JFK International Air Terminal LLC Project, Eighth Series | 12/20 at 100.00 | Baa1 | 281,941 |
| 2,775 | 2010, 6.000%, 12/01/42 Total New York North Carolina – 0.3% | | | 3,060,531 |
| 500 | New Hanover County, North Carolina, General Obligation Bonds, School Series 2009, 4.000%, 6/01/21 (Pre-refunded 6/01/19) Ohio – 5.6% | 6/19 at 100.00 | AAA (4) | 504,785 |
| 2,250 | American Municipal Power Ohio Inc., Prairie State Energy Campus Project Revenue Bonds, Series 2009A, 5.750%, 2/15/39 AGC Insured (Pre-refunded 2/15/19) | –2/19 at 100.00 | AA (4) | 2,260,800 |

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|------------|---|----------------|----|-----------|
| 1,465 | Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco Settlement Asset-Backed Revenue Bonds, Senior Lien, Series 2007A-2, 6.000%, 6/01/42 | 3/19 at 100.00 | В- | 1,423,848 |
| 3,720 5 | Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco Settlement Asset-Backed Revenue Bonds, Senior Lien, Series 2007A-3, 6.250%, 6/01/37 | 6/22 at 100.00 | В- | 3,701,251 |
| 3 | | | | |

| NXR Nuveen Select Tax-Free Income Portfolio 3 (continued) Portfolio of Investments December 31, 2018 (Unaudited) | | | | |
|--|--|-----------------|---------|-------------|
| Principal | | Optional Call | Ratings | |
| Amount (000) | Description (1) | Provisions (2) | (3) | Value |
| (000) | Ohio (continued) | | | |
| . . . | Montgomery County, Ohio, Revenue Bonds, Miami Valley | | | * |
| \$ 1,500 | Hospital, Series 2011A, 5.750%, 11/15/21 | 11/20 at 100.00 | Α | \$1,591,425 |
| | Ohio Turnpike Commission, Turnpike Revenue Bonds, | | | |
| 1,475 | Infrastructure Project, Junior Lien Series 2013A-1, 5.000%, | 2/23 at 100.00 | Aa3 | 1,581,894 |
| | 2/15/48 | | | |
| | Ohio Water Development Authority, Pollution Control Revenue | | | |
| 1,000 | Refunding Bonds, FirstEnergy Nuclear Generating Corporation Project, Series 2005B, 4.000%, 1/01/34 (Mandatory Put 7/01/21) | No Opt. Call | N/R | 695,000 |
| | (6) | | | |
| 11,410 | Total Ohio | | | 11,254,218 |
| | Oklahoma – 0.2% | | | |
| 2.45 | Oklahoma Development Finance Authority, Health System | 0.000 . 100.00 | D 0 | 270 200 |
| 345 | Revenue Bonds, OU Medicine Project, Series 2018B, 5.000%, 8/15/38 | 8/28 at 100.00 | Baa3 | 370,309 |
| | Oregon – 1.5% | | | |
| | Clackamas County Hospital Facility Authority, Oregon, Senior | | | |
| 490 | Living Revenue Bonds, Willamette View Project, Series 2017A, | No Opt. Call | N/R | 507,317 |
| | 4.000%, 5/15/22 | | | |
| 545 | Oregon Facilities Authority, Revenue Bonds, Reed College, Series 2017A, 4.000%, 7/01/41 | 7/27 at 100.00 | Aa2 | 566,091 |
| 1.000 | Oregon Facilities Authority, Revenue Bonds, Willamette | 10/26 -+ 100 00 | | 1 125 490 |
| 1,000 | University, Refunding Series 2016B, 5.000%, 10/01/40 | 10/26 at 100.00 | Α | 1,125,480 |
| | Washington and Clackamas Counties School District 23J | | | |
| 750 | | 6/27 at 100.00 | AA+ | 887,625 |
| | 5.000%, 6/15/30 | | | |
| 2,785 | Total Oregon | | | 3,086,513 |
| | Pennsylvania – 8.1% | | | |
| 1,015 | Delaware River Port Authority, New Jersey and Pennsylvania, Revenue Bonds, Series 2013, 5.000%, 1/01/37 | 1/24 at 100.00 | A+ | 1,111,466 |
| 1 605 | Pennsylvania Higher Educational Facilities Authority, Revenue | 2/19 at 100.00 | Λ Λ | 1,689,078 |
| 1,685 | Bonds, Carnegie Mellon University, Series 2009, 5.000%, 8/01/21 | 2/19 at 100.00 | AA | 1,069,076 |
| | Pennsylvania Higher Educational Facilities Authority, Revenue | | | |
| 2,500 | Bonds, State System of Higher Education, Refunding Series | 6/26 at 100.00 | Aa3 | 2,836,900 |
| | 2016AT-1, 5.000%, 6/15/31 | | | |
| | Pennsylvania Turnpike Commission, Motor License | | | |
| | Fund-Enhanced Subordinate Special Revenue Bonds, Series 2010B-2: | | | |
| 370 | 5.000%, 12/01/30 (Pre-refunded 12/01/20) | 12/20 at 100.00 | N/R (4) | 391,923 |
| 200 | 5.000%, 12/01/30 (Pre-refunded 12/01/20) | 12/20 at 100.00 | N/R (4) | 211,270 |
| 430 | 5.000%, 12/01/30 (Pre-refunded 12/01/20) | 12/20 at 100.00 | A2 (4) | 455,477 |
| | Pennsylvania Turnpike Commission, Turnpike Revenue Bonds, | | | |
| 2,075 | Refunding Series 2009B, 5.000%, 12/01/22 (Pre-refunded | 12/19 at 100.00 | A+(4) | 2,132,996 |
| | 12/01/19) | | | |

| 4,455 | Philadelphia, Pennsylvania, Water and Wastewater Revenue Bonds, Series 2015A, 5.000%, 7/01/40 | 7/24 at 100.00 | A+ | 4,881,967 |
|--------|--|----------------|--------|------------|
| | State Public School Building Authority, Pennsylvania, School | | | |
| 2,500 | Revenue Bonds, Harrisburg School District, Refunding Series | 5/19 at 100.00 | AA (4) | 2,528,250 |
| | 2009A, 4.750%, 11/15/29 - AGC Insured (Pre-refunded 5/15/19) |) | | |
| 15,230 | Total Pennsylvania | | | 16,239,327 |
| 6 | | | | |

| Principal | Description (1) | Optional Call | Ratings | Value |
|--------------|--|----------------------------------|----------|------------------------|
| Amount (000) | Description (1) | Provisions (2) | (3) | value |
| | Puerto Rico – 0.5% | | | |
| Φ 0.45 | Puerto Rico Highway and Transportation Authority, Highway | N. O . C 11 | C | \$ |
| \$ 945 | Revenue Bonds, Series 2007N, 5.250%, 7/01/31 – AMBAC Insured | No Opt. Call | C | 1,021,101 |
| | South Dakota – 0.2% | | | |
| | South Dakota Health and Educational Facilities Authority, | | | |
| 400 | Revenue Bonds, Sanford Health, Series 2015, 5.000%, 11/01/35 | 11/25 at 100.00 | A+ | 442,536 |
| | Tennessee – 0.4% | | | |
| | Chattanooga Health, Educational and Housing Facility Board, | | | |
| 795 | Tennessee, Revenue Bonds, Catholic Health Initiatives, Series | 1/23 at 100.00 | BBB+ | 847,661 |
| | 2013A, 5.250%, 1/01/45 | | | |
| | Texas – 9.3% Central Texas Regional Mobility Authority, Revenue Bonds, | | | |
| 250 | Senior Lien Series 2011, 6.000%, 1/01/41 (Pre-refunded 1/01/21) | 1/21 at 100.00 | A- (4) | 269,557 |
| 0.5 | Central Texas Regional Mobility Authority, Revenue Bonds, | 7/25 -4 100 00 | A | 02 220 |
| 85 | Senior Lien, Series 2015A, 5.000%, 1/01/34 | 7/25 at 100.00 | A- | 93,229 |
| 4,640 | Grand Parkway Transportation Corporation, Texas, System Toll | 10/23 at 100.00 | A- | 5,086,786 |
| , | Revenue Bonds, First Tier Series 2013A, 5.500%, 4/01/53 | | | - , , |
| | Harris County-Houston Sports Authority, Texas, Revenue Bonds, Junior Lien Series 2001H: | | | |
| 1,405 | 0.000%, 11/15/32 – NPFG Insured | 11/31 at 94.05 | Baa2 | 799,852 |
| 2,510 | 0.000%, 11/15/36 – NPFG Insured | 11/31 at 73.51 | Baa2 | 1,089,064 |
| 2,235 | Harris County-Houston Sports Authority, Texas, Revenue Bonds, | 11/24 at 62.70 | Baa2 | 1,136,766 |
| 2,233 | Third Lien Series 2004A-3, 0.000%, 11/15/32 - NPFG Insured | 11/24 at 02.70 | Daaz | 1,130,700 |
| | Harris County-Houston Sports Authority, Texas, Special | | | |
| 3,045 | Revenue Bonds, Refunding Senior Lien Series 2001A: 0.000%, 11/15/34 – NPFG Insured | 11/30 at 78.27 | AA | 1 575 270 |
| 4,095 | 0.000%, 11/15/34 — NPFG fished 0.000%, 11/15/38 — NPFG Insured | 11/30 at 78.27 11/30 at 61.17 | AA AA | 1,575,270 1,611,751 |
| 1,000 | Love Field Airport Modernization Corporation, Texas, Special | 11/30 at 01.17 | 7171 | 1,011,731 |
| 2,255 | Facilities Revenue Bonds, Southwest Airlines Company, Series | 11/20 at 100.00 | A3 | 2,346,530 |
| | 2010, 5.250%, 11/01/40 | | | |
| | Mission Economic Development Corporation, Texas, Revenue | | | |
| 125 | Bonds, Natgasoline Project, Senior Lien Series 2018, 4.625%, | 10/21 at 105.00 | BB- | 127,396 |
| | 10/01/31 (Alternative Minimum Tax), 144A North Texas Tollway Authority, System Revenue Bonds, | | | |
| 290 | Refunding First Tier Capital Appreciation Series 2008I, 6.200%, | 1/25 at 100 00 | AA | 345,651 |
| 270 | 1/01/42 – AGC Insured | 1,25 at 100.00 | 1111 | 5 15,051 |
| 2 000 | Texas Municipal Gas Acquisition and Supply Corporation III, | 12/22 at 100.00 | ۸.3 | 2 152 560 |
| 2,000 | Gas Supply Revenue Bonds, Series 2012, 5.000%, 12/15/32 | 12/22 at 100.00 | AS | 2,152,560 |
| | Texas Turnpike Authority, Central Texas Turnpike System | | | |
| 2,410 | Revenue Bonds, First Tier Series 2002A, 0.000%, 8/15/25 – AMBAC Insured | No Opt. Call | A- | 2,020,761 |
| 25,345 | Total Texas | | | 18,655,173 |
| 43,JTJ | Virginia – 2.5% | | | 10,033,173 |
| | Chesapeake, Virginia, Transportation System Senior Toll Road | | | |
| 3,500 | Revenue Bonds, Capital Appreciation Series 2012B, 0.000%, | 7/28 at 100.00 | BBB | 3,066,560 |
| | 7/15/32 (5) | | | |

| Portfolio (Unaudit | delect Tax-Free Income Portfolio 3 (continued) of Investments December 31, 2018 ed) | | | |
|---------------------------|--|---------------------|---------------------|--------------------------|
| Principal Amount (000) | Description (1) | Optional Call | Ratings | Value |
| Amount (000) | Virginia (continued) | Provisions (2) | (3) | |
| | Virginia Small Business Financing Authority, Senior Lien | | | |
| | Revenue Bonds, Elizabeth River Crossing, Opco LLC Project | et, | | |
| \$ 410 | Series 2012: 6.000%, 1/01/37 (Alternative Minimum Tax) | 7/22 at 100.00 | BBB | \$444,001 |
| 1,510 | 5.500%, 1/01/42 (Alternative Minimum Tax) | 7/22 at 100.00 | BBB | 1,601,672 |
| 5,420 | Total Virginia | | | 5,112,233 |
| | Washington – 4.5% | | | |
| 000 | Washington Health Care Facilities Authority, Revenue Bond | | | 1 041 016 |
| 990 | Fred Hutchinson Cancer Research Center, Series 2011A, 5.625%, 1/01/35 | 1/21 at 100.00 | A+ | 1,041,916 |
| | Washington Health Care Facilities Authority, Revenue Bond | ls | | |
| 4,000 | Providence Health & Services, Refunding Series 2012A, | 10/22 at 100.00 | AA- | 4,370,160 |
| | 5.000%, 10/01/32 | | | |
| 1.700 | Washington State Health Care Facilities Authority, Revenue | | | 1 7 10 600 |
| 1,700 | Bonds, PeaceHealth, Refunding Series 2009, 5.000%, 11/01/ (Pre-refunded 11/01/19) | /28 11/19 at 100.00 | AA- (4 ₁ |) 1,742,602 |
| | Washington State, General Obligation Bonds, Various Purpo | ose | | |
| 1,725 | Series 2015B, 5.000%, 2/01/37 | 2/25 at 100.00 | AA+ | 1,926,514 |
| 8,415 | Total Washington | | | 9,081,192 |
| | Wisconsin – 0.7% | | | |
| 1.250 | Wisconsin Health and Educational Facilities Authority, | 2/22 at 100 00 | A | 1 227 650 |
| 1,250 | Revenue Bonds, Marshfield Clinic, Series 2012B, 5.000%, 2/15/32 | 2/22 at 100.00 | A- | 1,327,650 |
| \$ 233,535 | Total Municipal Bonds (cost \$177,084,967) | | | 198,963,727 |
| , | | | | , , |
| Principal Amo (000) | Description (1) | Coupon Maturity , | atings 3) | Value |
| | CORPORATE BONDS - 0.0% | | | |
| | Transportation – 0.0% | | | |
| \$ 87 | Las Vegas Monorail Company, Senior Interest Bonds (7), (8) | 5.500% 7/15/19 N | I/R | \$57,648 |
| | Las Vegas Monorail Company, Senior Interest Bonds | S | | |
| 25 | (7), (8) | 5.500% 7/15/55 N | I/R | 12,123 |
| \$ 112 | Total Corporate Bonds (cost \$5,474) | | | 69,771 |
| | Total Long-Term Investments (cost \$177,090,441) | | | 199,033,498 |
| | Other Assets Less Liabilities – 1.2% | | | 2,379,967 \$ |
| | Net Assets Applicable to Common Shares - 100% | | | ⁵ 201,413,465 |
| T | | | | |

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, credit spreads, 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 \$ — \$198,963,727\$ — \$198,963,727 Corporate Bonds — 69,771 69,771 Total \$ — \$198,963,727\$69,771\$199,033,498

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 December 31, 2018.

Tax cost of investments \$175,068,421

Gross unrealized:

Appreciation \$24,459,771 Depreciation (494,694) Net unrealized appreciation (depreciation) of investments \$23,965,077

- (1) All percentages shown in the Portfolio of Investments are based on net assets applicable to common shares unless otherwise noted.
 - 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
- (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) 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.
- (7) 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 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.

Investment valued at fair value using methods determined in good faith by, or at the discretion of the Board.

(8) 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.

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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: March 1, 2019

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 1, 2019

By (Signature and Title) /s/ Stephen D. Foy

Stephen D. Foy

Vice President and Controller (principal financial

officer)

Date: March 1, 2019