

Nuveen Real Asset Income & Growth Fund
Form N-Q
November 29, 2016

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 811-22658

Nuveen Real Asset Income and Growth Fund

(Exact name of registrant as specified in charter)

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: December 31

Date of reporting period: September 30, 2016

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

JRI

Nuveen Real Asset Income and Growth Fund
Portfolio of Investments

September 30, 2016 (Unaudited)

| Shares | Description (1) | Value |
|-----------|---|-------------------|
| | LONG-TERM INVESTMENTS 139.1% (98.2% of Total Investments) | |
| | COMMON STOCKS 62.5% (44.1% of Total Investments) | |
| | Air Freight & Logistics 1.6% | |
| 91,032 | BPost SA, (2) | \$ 2,468,543 |
| 15,104 | Oesterreichische Post AG, (2) | 534,998 |
| | Total Air Freight & Logistics | 3,003,541 |
| | Commercial Services & Supplies 0.7% | |
| 84,034 | Covanta Holding Corporation | 1,293,283 |
| | Diversified Telecommunication Services 0.6% | |
| 483,103 | HKBN Limited, (2) | 545,518 |
| 224,600 | Singapore Telecommunications Limited, (2) | 656,931 |
| | Total Diversified Telecommunication Services | 1,202,449 |
| | Electric Utilities 8.6% | |
| 65,070 | Alupar Investimento SA | 323,534 |
| 189 | Alupar Investimento SA, (3) | 313 |
| 1,234,586 | AusNet Services, (2) | 1,556,100 |
| 27,197 | Brookfield Infrastructure Partners LP | 942,104 |
| 390,922 | Contact Energy Limited, (2) | 1,434,815 |
| 58,854 | EDP Energias de Portugal, S.A., (2) | 197,514 |
| 34,586 | Endesa S.A, (2), (4) | 741,513 |
| 2,385 | Hafslund ASA, Class B | 22,971 |
| 706,301 | HK Electric Investments Limited, 144A, (2) | 695,200 |
| 803,237 | Infratil Limited, (2) | 1,896,016 |
| 73,597 | Scottish and Southern Energy PLC, (2) | 1,494,438 |
| 44,395 | Southern Company, (9) | 2,277,464 |
| 2,205,306 | Spark Infrastructure Group, (2) | 3,914,523 |
| 99,213 | Transmissora Alianca de Energia Eletrica SA | 640,035 |
| | Total Electric Utilities | 16,136,540 |
| | Gas Utilities 1.1% | |
| 6,006 | AmeriGas Partners, LP | 274,234 |
| 15,052 | Enagas, (2) | 452,798 |
| 229,812 | Snam Rete Gas S.p.A, (2) | 1,274,276 |
| | Total Gas Utilities | 2,001,308 |
| | Health Care Providers & Services 0.6% | |
| 93,401 | Sienna Senior Living Inc., Subscription | 1,207,425 |
| | Independent Power & Renewable Electricity Producers 3.1% | |

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| | | |
|---------|--|-----------|
| 7,991 | Brookfield Renewable Energy Partners LP | 245,803 |
| 52,593 | Brookfield Renewable Energy Partners LP | 1,615,933 |
| 832 | NextEra Energy Partners LP | 23,271 |
| 59,821 | Pattern Energy Group Inc. | 1,345,374 |
| 188,476 | Renewables Infrastructure Group Limited | 258,462 |
| 210,000 | Saeta Yield S.A, (2), (4) | 2,087,865 |
| 22,978 | TransAlta Renewables Inc. | 257,987 |
| | Total Independent Power & Renewable Electricity Producers | 5,834,695 |
| | Media 0.2% | |
| 14,285 | SES SA, (2) | 350,766 |

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JRI Nuveen Real Asset Income and Growth Fund
Portfolio of Investments (continued)

September 30, 2016 (Unaudited)

| Shares | Description (1) | Value |
|---------|--|--------------|
| | Multi-Utilities 7.6% | |
| 72,896 | CenterPoint Energy, Inc., (5) | \$ 1,693,374 |
| 520,160 | Centrica PLC, (2) | 1,537,988 |
| 925,894 | Duet Group, (2) | 1,782,628 |
| 222,586 | Engie, (2) | 3,451,129 |
| 39,288 | National Grid PLC, Sponsored ADR, (9) | 2,793,770 |
| 336,709 | Redes Energeticas Nacionais SA, (2) | 984,182 |
| 847,218 | Vector Limited, (2) | 2,037,171 |
| | Total Multi-Utilities | 14,280,242 |
| | Oil, Gas & Consumable Fuels 5.4% | |
| 19,796 | AltaGas Limited | 509,103 |
| 4,375 | Enbridge Energy Partners LP | 111,256 |
| 24,680 | Enbridge Income Fund Holdings Inc. | 639,598 |
| 120,375 | Enterprise Products Partnership LP, (9) | 3,325,961 |
| 70,728 | Inter Pipeline Limited | 1,493,323 |
| 9,620 | Noble Midstream Partners LP, (4) | 268,398 |
| 39,962 | Plains All American Pipeline LP | 1,255,206 |
| 133,414 | Plains GP Holdings LP, Class A | 1,726,377 |
| 88,537 | Veresen Inc. | 904,300 |
| | Total Oil, Gas & Consumable Fuels | 10,233,522 |
| | Real Estate Investment Trusts 27.3% | |
| 135,246 | AEW UK REIT PLC | 170,478 |
| 11,149 | Ares Commercial Real Estate Corporation | 140,477 |
| 95,171 | Armada Hoffer Properties Inc. | 1,275,291 |
| 298,551 | Ascendas Real Estate Investment Trust, (2) | 552,762 |
| 46,441 | Automotive Properties Real Estate Investment Trust | 372,392 |
| 54,638 | Blackstone Mortgage Trust Inc., Class A | 1,609,089 |
| 16,771 | Camden Property Trust | 1,404,404 |
| 14,444 | Care Capital Properties, Inc. | 411,654 |
| 12,755 | CareTrust REIT Inc. | 188,519 |
| 58,397 | Charter Hall Retail REIT, (2) | 190,078 |
| 42,980 | Choice Properties Real Estate Investment Trust | 452,421 |
| 78,639 | City Office REIT, Inc. | 1,001,074 |
| 1,416 | Cofinimmo, SANV, (2) | 176,334 |
| 554 | Columbia Property Trust Inc. | 12,404 |
| 51,982 | Community Healthcare Trust Inc., (9) | 1,139,445 |
| 80,503 | Crombie Real Estate Investment Trust | 878,081 |
| 125,687 | Dream Global Real Estate Investment Trust | 863,173 |
| 41,963 | Easterly Government Properties, Inc. | 800,654 |
| 4,215 | Entertainment Properties Trust | 331,889 |
| 24,114 | Eurocommercial Properties NV, (2) | 1,088,873 |
| 295,644 | Fortune REIT, (2) | 371,525 |

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|-----------|---|-----------|
| 6,821 | Four Corners Property Trust, Inc. | 145,492 |
| 63,848 | Franklin Street Properties Corporation | 804,485 |
| 1,087,291 | Frasers Centrepoint Trust, (2) | 1,755,109 |
| 2,746,393 | Frasers Logistics & Industrial Trust, (2), (4) | 2,006,857 |
| 47,503 | Gaming and Leisure Properties Inc. | 1,588,975 |
| 36,994 | Hospitality Properties Trust | 1,099,462 |
| 5,174 | ICADE, (2) | 403,717 |
| 106,441 | Immobiliare Grande Distribuzione SIIQ SpA, (2) | 80,210 |
| 80,511 | Independence Realty Trust | 724,599 |
| 47,372 | Investors Real Estate Trust | 281,863 |
| 507,473 | Keppel DC REIT, (2) | 453,745 |
| 88,843 | Killam Apartment Real Estate I | 818,714 |
| 3,601 | LaSalle Hotel Properties | 85,956 |
| 9,444 | Lexington Corporate Properties Trust | 97,273 |
| 58,196 | Liberty Property Trust | 2,348,210 |
| 16,673 | LTC Properties Inc. | 866,829 |
| 40,710 | Macquarie Mexico Real Estate Management SA de CV | 49,844 |
| 815,381 | Mapletree Commercial Trust, (2) | 957,481 |
| 1,257,271 | Mapletree Greater China Commercial Trust, (2) | 1,015,590 |
| 149,658 | Mapletree Logistics Trust, (2) | 117,771 |

| Shares | Description (1) | Value |
|--|---|-------------------|
| Real Estate Investment Trusts | | |
| (continued) | | |
| 77,026 | MedEquities Realty Trust, Inc., (4) | \$ 905,056 |
| 172,659 | Medical Properties Trust Inc. | 2,550,173 |
| 28,556 | MGM Growth Properties LLC, Class A | 744,455 |
| 38,876 | New Senior Investment Group Inc. | 448,629 |
| 158,460 | NorthWest Healthcare Properties REIT | 1,263,380 |
| 55,215 | Omega Healthcare Investors Inc., (9) | 1,957,372 |
| 57,453 | OneREIT | 157,651 |
| 367,707 | Parkway Life Real Estate Investment Trust, (2) | 701,823 |
| 480 | Physicians Realty Trust | 10,339 |
| 279,540 | Plaza Retail REIT | 1,116,498 |
| 569,481 | Prologis Property Mexico SA de CV | 934,266 |
| 220,276 | Pure Industrial Real Estate Trust | 925,127 |
| 16,247 | Sabra Health Care Real Estate Investment Trust Inc. | 409,099 |
| 32,654 | Smart Real Estate Investment Trust | 879,850 |
| 51,779 | Spirit Realty Capital Inc., (5) | 690,214 |
| 10,685 | STAG Industrial Inc. | 261,889 |
| 17,509 | Starwood Property Trust Inc. | 394,303 |
| 521,168 | TF Administradora Industrial S de RL de CV | 862,801 |
| 9,889 | Universal Health Realty Income Trust | 623,205 |
| 12,079 | Urstadt Biddle Properties Inc., Class A | 268,395 |
| 206,508 | VEREIT, Inc. | 2,141,488 |
| 449,872 | Vicinity Centres, (2) | 1,097,131 |
| 132,114 | Viva Energy REIT, (4) | 242,672 |
| 44,253 | Washington Prime Group, Inc. | 547,852 |
| 22,627 | Wereldhave NV, (2) | 1,145,545 |
| 83,271 | WPT Industrial Real Estate Investment Trust | 938,464 |
| | Total Real Estate Investment Trusts | 51,350,876 |
| Real Estate Management & Development 0.0% | | |
| 5 | Atrium European Real Estate Ltd, (2) | 22 |
| 7,353 | Citycon Oyj, (2) | 18,735 |
| | Total Real Estate Management & Development | 18,757 |
| Road & Rail 0.4% | | |
| 191,331 | Aurizon Holdings Limited, (2) | 691,784 |
| Transportation Infrastructure 4.9% | | |
| 17,828 | Abertis Infraestructuras S.A, (2) | 277,750 |
| 45,646 | Cosco Shipping Ports Limited, (2) | 46,965 |
| 156,745 | Enav S.p.A, (4) | 644,098 |
| 3,806,972 | Hopewell Highway Infrastructure Limited, (2) | 2,326,552 |

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|-----------|--|------------------|
| 3,027,684 | Hutchison Port Holdings Trust, (2) | 1,351,601 |
| 60,551 | Jiangsu Expressway Company Limited, (2) | 84,028 |
| 24,417 | Macquarie Infrastructure Corporation, (5) | 2,032,471 |
| 143,971 | Sydney Airport, (2) | 771,694 |
| 181,039 | Transurban Group, (2) | 1,582,155 |
| 162,919 | Zhejiang Expressway Company Limited, (2) | 172,596 |
| | Total Transportation Infrastructure | 9,289,910 |

Water Utilities 0.4%

| | | |
|---------|---|--------------------|
| 379,545 | Inversiones Aguas Metropolitanas SA | 678,723 |
| | Total Common Stocks (cost \$107,282,586) | 117,573,821 |

| Shares | Description (1) | Coupon | Ratings (6) | Value |
|--------|--|--------|-------------|--------------|
| | CONVERTIBLE PREFERRED SECURITIES 14.2% (10.1% of Total Investments) | | | |
| | Electric Utilities 4.8% | | | |
| 54,732 | Exelon Corporation | 6.500% | BB+ | \$ 2,558,175 |
| 32,452 | Great Plains Energy Inc. | 7.000% | N/R | 1,670,953 |
| 37,927 | NextEra Energy Inc. | 6.371% | BBB | 2,239,210 |

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JRI Nuveen Real Asset Income and Growth Fund
Portfolio of Investments (continued)

September 30, 2016 (Unaudited)

| Shares | Description (1) | Coupon | Ratings (6) | Value |
|--|---|--------|-------------|--------------|
| Electric Utilities (continued) | | | | |
| 53,379 | NextEra Energy Inc. | 6.123% | BBB | \$ 2,658,274 |
| | Total Electric Utilities | | | 9,126,612 |
| Gas Utilities 0.5% | | | | |
| 16,253 | Spire, Inc., (2) | 6.750% | N/R | 927,396 |
| Multi-Utilities 3.6% | | | | |
| 9,809 | Black Hills Corp | 7.750% | N/R | 676,429 |
| 60,553 | Dominion Resources Inc. | 6.750% | BBB | 3,021,595 |
| 27,020 | Dominion Resources Inc. | 6.375% | Baa3 | 1,344,515 |
| 34,122 | DTE Energy Company | 5.000% | BBB | 1,774,344 |
| | Total Multi-Utilities | | | 6,816,883 |
| Oil, Gas & Consumable Fuels 1.3% | | | | |
| 17,331 | Anadarko Petroleum Corporation | 7.500% | N/R | 721,836 |
| 33,672 | Kinder Morgan Inc., Delaware | 9.750% | N/R | 1,685,957 |
| | Total Oil, Gas & Consumable Fuels | | | 2,407,793 |
| Real Estate Investment Trusts 4.0% | | | | |
| 39,224 | Alexandria Real Estate Equities Inc. | 7.000% | Baa3 | 1,395,590 |
| 26,122 | American Tower Corporation | 5.500% | N/R | 2,862,710 |
| 33,972 | EPR Properties Inc. | 9.000% | BB | 1,262,739 |
| 1,717 | EPR Properties Inc. | 5.750% | BB | 52,729 |
| 11,635 | Equity Commonwealth | 6.500% | Ba1 | 315,192 |
| 706 | FelCor Lodging Trust Inc., Series A. | 1.950% | CCC | 17,657 |
| 3,182 | Lexington Corporate Properties Trust, Series B | 6.500% | N/R | 167,851 |
| 21,226 | Ramco-Gershenson Properties Trust | 7.250% | N/R | 1,457,377 |
| | Total Real Estate Investment Trusts | | | 7,531,845 |
| | Total Convertible Preferred Securities (cost \$25,288,971) | | | 26,810,529 |
| Shares | Description (1) | Coupon | Ratings (6) | Value |
| \$25 PAR (OR SIMILAR) RETAIL PREFERRED 28.6% (20.2% of Total Investments) | | | | |
| Electric Utilities 6.7% | | | | |
| 7,138 | APT Pipelines Limited | 6.455% | N/R | \$ 559,964 |
| 53,436 | Brookfield Infrastructure Partners L.P. | 5.350% | BBB | 1,040,657 |
| 38,223 | Entergy Arkansas Inc. | 4.875% | A | 953,282 |
| 2,889 | Entergy Louisiana LLC | 4.875% | A | 72,052 |
| 16,567 | Entergy New Orleans, Inc. | 5.500% | A | 453,273 |
| 14,451 | Entergy Texas Inc. | 5.625% | A | 403,905 |
| 47,760 | Integrays Energy Group Inc., (2) | 6.000% | Baa1 | 1,306,236 |
| 65,009 | NextEra Energy Inc. | 5.250% | BBB | 1,670,081 |
| 31,757 | NextEra Energy Inc. | 5.000% | BBB | 811,074 |

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|---------|--|-------------|------|------------|
| 40,837 | Pacific Gas & Electric Corporation | 6.000% | BBB+ | 1,300,658 |
| 76,591 | PPL Capital Funding, Inc. | 5.900% | BBB | 2,017,407 |
| 21,547 | SCE Trust I | 5.625% | Baa1 | 551,388 |
| 53,999 | Southern Company | 5.250% | BBB | 1,365,635 |
| | Total Electric Utilities | | | 12,505,612 |
| | Independent Power & Renewable Electricity Producers | 0.2% | | |
| 24,177 | Brookfield Renewable Partners, Preferred Equity | 5.750% | BB+ | 469,921 |
| | Multi-Utilities | 2.5% | | |
| 112,079 | Dominion Resources Inc. | 5.250% | BBB | 2,853,530 |
| 52,148 | DTE Energy Company | 5.375% | Baa1 | 1,344,375 |
| 18,325 | DTE Energy Company | 5.250% | Baa1 | 473,335 |
| | Total Multi-Utilities | | | 4,671,240 |

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| Shares | Description (1) | Coupon | Ratings (6) | Value |
|--|---|--------|-------------|------------------|
| Oil, Gas & Consumable Fuels | | | | |
| 0.7% | | | | |
| 16,547 | Nustar Logistics Limited Partnership | 7.625% | Ba2 | \$ 422,776 |
| 41,998 | Pembina Pipeline Corporation | 5.750% | BB+ | 834,230 |
| | Total Oil, Gas, & Consumable Fuels | | | 1,257,006 |
| Real Estate Investment Trusts | | | | |
| 18.0% | | | | |
| 22,834 | American Homes 4 Rent | 6.350% | N/R | 592,771 |
| 3,399 | American Homes 4 Rent | 5.500% | N/R | 94,696 |
| 23,751 | American Homes 4 Rent | 5.000% | N/R | 672,391 |
| 27,909 | American Homes 4 Rent | 5.000% | N/R | 787,313 |
| 27,969 | American Homes 4 Rent | 6.500% | N/R | 748,730 |
| 16,867 | Apollo Commercial Real Estate Finance | 8.625% | N/R | 434,325 |
| 30,221 | Arbor Realty Trust Incorporated | 7.375% | N/R | 769,124 |
| 61,766 | CBL & Associates Properties Inc. | 7.375% | BB | 1,544,768 |
| 36,743 | CBL & Associates Properties Inc. | 6.625% | BB | 928,128 |
| 111,655 | Cedar Shopping Centers Inc., Series A | 7.250% | N/R | 2,869,533 |
| 25,391 | Chesapeake Lodging Trust | 7.750% | N/R | 653,057 |
| 67,728 | City Office REIT, Inc., (WI/DD) | 6.625% | N/R | 1,681,009 |
| 16,270 | Colony Financial Inc. | 7.500% | N/R | 409,191 |
| 51,818 | Colony Financial Inc. | 7.125% | N/R | 1,284,050 |
| 4,256 | Colony Financial Inc. | 8.500% | N/R | 109,166 |
| 6,518 | Dupont Fabros Technology | 6.625% | Ba2 | 184,394 |
| 13,671 | General Growth Properties | 6.375% | N/R | 354,079 |
| 20,063 | Gladstone Commercial Corporation | 7.000% | N/R | 509,400 |
| 46,125 | Gramercy Property Trust | 7.125% | BB+ | 1,235,228 |
| 43,797 | Hersha Hospitality Trust | 6.875% | N/R | 1,138,722 |
| 68,861 | Hersha Hospitality Trust | 6.500% | N/R | 1,748,381 |
| 45,179 | Investors Real Estate Trust | 7.950% | N/R | 1,165,618 |
| 31,660 | LaSalle Hotel Properties | 6.300% | N/R | 804,481 |
| 33,109 | Monmouth Real Estate Investment Corp | 6.125% | N/R | 855,868 |
| 7,412 | Northstar Realty Finance Corporation | 8.750% | N/R | 189,006 |
| 65,072 | Pebblebrook Hotel Trust | 6.500% | N/R | 1,685,365 |
| 34,865 | Pebblebrook Hotel Trust | 6.375% | N/R | 934,731 |
| 2,339 | Post Properties, Inc., Series A | 8.500% | Baa3 | 160,222 |
| 16,830 | Rait Financial Trust | 7.125% | N/R | 410,820 |
| 24,161 | STAG Industrial Inc. | 6.875% | BB+ | 650,414 |
| 37,405 | Summit Hotel Properties Inc. | 7.875% | N/R | 977,393 |
| 73,988 | Summit Hotel Properties Inc. | 7.125% | N/R | 1,906,671 |
| 24,106 | Summit Hotel Properties Inc. | 6.450% | N/R | 618,319 |
| 49,417 | Sunstone Hotel Investors Inc. | 6.450% | N/R | 1,282,371 |
| 32,957 | UMH Properties Inc. | 8.000% | N/R | 907,965 |
| 29,683 | Urstadt Biddle Properties | 7.125% | N/R | 776,210 |
| 45,435 | Urstadt Biddle Properties | 6.750% | N/R | 1,197,212 |

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|--------|-------------------------------------|--------|-----|------------|
| 6,748 | Washington Prime Group, Inc. | 7.500% | Ba1 | 174,166 |
| 19,304 | Washington Prime Group, Inc. | 6.875% | Ba1 | 499,201 |
| | Total Real Estate Investment Trusts | | | 33,944,489 |

Real Estate Management & Development 0.2%

| | | | | |
|--------|-------------------------------------|--------|-----|---------|
| 14,507 | Landmark Infrastructure Partners LP | 8.000% | N/R | 372,540 |
|--------|-------------------------------------|--------|-----|---------|

Trading Companies & Distributors 0.3%

| | | | | |
|--------|--|--------|-----|------------|
| 21,500 | GATX Corporation | 5.625% | BBB | 567,600 |
| | Total \$25 Par (or similar) Retail Preferred (cost \$51,572,270) | | | 53,788,408 |

| Principal Amount (000) (7) | Description (1) | Coupon | Maturity | Ratings (6) | Value |
|-----------------------------------|---|---------------|-----------------|--------------------|--------------|
| | CORPORATE BONDS 19.0% (13.4% of Total Investments) | | | | |
| | Commercial Services & Supplies 1.9% | | | | |
| \$ 1,015 | ADS Waste Holdings Inc., (9) | 8.250% | 10/01/20 | CCC+ | \$ 1,065,750 |
| 256 | Casella Waste Systems Inc. | 7.750% | 2/15/19 | B | 261,120 |

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JRI Nuveen Real Asset Income and Growth Fund
Portfolio of Investments (continued)

September 30, 2016 (Unaudited)

| Principal Amount (000) (7) | Description (1) | Coupon | Maturity | Ratings (6) | Value |
|--|---|--------|----------|-------------|--------------|
| Commercial Services & Supplies (continued) | | | | | |
| \$ 1,280 | Covanta Holding Corporation, (9) | 5.875% | 3/01/24 | Ba3 | \$ 1,283,200 |
| 890 | GFL Environmental Corporation, 144A | 9.875% | 2/01/21 | B | 974,550 |
| | Total Commercial Services & Supplies | | | | 3,584,620 |
| Construction & Engineering 0.3% | | | | | |
| 4,500 | NOK VV Holding AS, 144A | 6.230% | 7/10/19 | N/R | 517,850 |
| Consumer Finance 0.1% | | | | | |
| 195 | Covenant Surgical Partners Inc., 144A | 8.750% | 8/01/19 | B | 187,200 |
| Diversified Telecommunication Services 1.5% | | | | | |
| 485 | CyrusOne LP Finance | 6.375% | 11/15/22 | BB | 513,644 |
| 1,140 | Qualitytech LP/QTS Finance Corp. | 5.875% | 8/01/22 | BB | 1,165,650 |
| 1,175 | SBA Communications Corporation, 144A | 4.875% | 9/01/24 | B | 1,183,812 |
| | Total Diversified Telecommunication Services | | | | 2,863,106 |
| Electric Utilities 0.2% | | | | | |
| 475 | Intergen NV, 144A | 7.000% | 6/30/23 | B1 | 401,375 |
| Energy Equipment & Services 0.2% | | | | | |
| 295 | Compressco Partners LP / Compressco Finance Corporation | 7.250% | 8/15/22 | B | 278,775 |
| Gas Utilities 1.5% | | | | | |
| 585 | AmeriGas Partners LP/AmeriGas Finance Corporation | 5.875% | 8/20/26 | BB | 620,100 |
| 877 | Ferrellgas LP | 6.750% | 1/15/22 | B | 780,530 |
| 665 | LBC Tank Terminals Holdings Netherlands BV, 144A | 6.875% | 5/15/23 | B | 661,675 |
| 685 | Suburban Propane Partners LP | 5.750% | 3/01/25 | BB | 693,563 |
| | Total Gas Utilities | | | | 2,755,868 |
| Health Care Equipment & Supplies 0.3% | | | | | |
| 575 | Tenet Healthcare Corporation | 8.125% | 4/01/22 | B | 575,000 |
| Health Care Providers & Services 1.8% | | | | | |

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|-----|---|--------|----------|------|-------------|
| 325 | Acadia Healthcare | 5.625% | 2/15/23 | B | 329,875 |
| 620 | Community Health Systems, Inc. | 6.875% | 2/01/22 | B | 533,200 |
| 420 | HCA Inc. | 5.375% | 2/01/25 | BB | 433,650 |
| 605 | Iasis Healthcare Capital Corporation | 8.375% | 5/15/19 | CCC+ | 547,525 |
| 755 | Kindred Healthcare Inc., (9) | 6.375% | 4/15/22 | B | 715,362 |
| 230 | Lifepoint Health Inc. | 5.875% | 12/01/23 | Ba2 | 238,050 |
| 529 | Select Medical Corporation | 6.375% | 6/01/21 | B | 520,404 |
| | Total Health Care Providers & Services | | | | 3,318,066 |
| | Hotels, Restaurants & Leisure | | | | |
| | 0.3% | | | | |
| 615 | MGM Growth Properties Operating Partnership LP / MGP Escrow Co-Issuer, Inc., 144A | 4.500% | 9/01/26 | BB | 615,000 |
| | Independent Power & Renewable Electricity Producers | | | | 0.3% |
| 815 | GenOn Energy Inc. | 9.500% | 10/15/18 | CCC+ | 643,850 |
| | Internet Software & Services | | | | |
| | 0.3% | | | | |
| 500 | Equinix Inc. | 5.750% | 1/01/25 | BB+ | 531,250 |
| | IT Services | | | | 0.5% |
| 940 | Zayo Group LLC / Zayo Capital Inc. | 6.000% | 4/01/23 | B | 984,650 |
| | Marine | | | | 0.2% |
| 355 | Navios South American Logistics Inc., Finance US Inc., 144A | 7.250% | 5/01/22 | B | 269,800 |

| Principal Amount (000) (7) | Description (1) | Coupon | Maturity | Ratings (6) | Value |
|----------------------------|---|--------|----------|-------------|--------------|
| | Multi-Utilities 1.0% | | | | |
| \$ 1,400 | GBP RWE AG, Reg S | 7.000% | 3/29/49 | BB+ | \$ 1,882,657 |
| | Oil, Gas & Consumable Fuels 3.2% | | | | |
| 915 | Calumet Specialty Products | 7.625% | 1/15/22 | CCC+ | 738,863 |
| 340 | Crestwood Midstream Partners LP | 6.125% | 3/01/22 | BB | 343,400 |
| 790 | Energy Transfer Equity LP | 5.500% | 6/01/27 | BB+ | 786,050 |
| 510 | Gibson Energy, 144A | 6.750% | 7/15/21 | BB | 521,475 |
| 435 | Global Partners LP/GLP Finance | 6.250% | 7/15/22 | B+ | 403,463 |
| 25 | Global Partners LP/GLP Finance | 7.000% | 6/15/23 | B+ | 23,313 |
| 615 | Martin Mid-Stream Partners LP Finance | 7.250% | 2/15/21 | B | 578,100 |
| 352 | NGL Energy Partners LP/Fin Co | 5.125% | 7/15/19 | BB | 330,880 |
| 235 | NGL Energy Partners LP/Fin Co | 6.875% | 10/15/21 | BB | 222,663 |
| 550 | Northern Tier Energy LLC | 7.125% | 11/15/20 | BB | 562,375 |
| 555 | Rose Rock Midstream LP / Rose Rock Finance Corporation | 5.625% | 7/15/22 | B+ | 510,600 |
| 550 | Sabine Pass Liquefaction LLC | 6.250% | 3/15/22 | BBB | 602,250 |
| 460 | Summit Midstream Holdings LLC Finance | 5.500% | 8/15/22 | B | 438,150 |
| | Total Oil, Gas & Consumable Fuels | | | | 6,061,582 |
| | Real Estate Investment Trusts 3.0% | | | | |
| 1,055 | Care Capital Properties, Inc., 144A | 5.125% | 8/15/26 | BBB | 1,055,454 |
| 370 | Corporate Office Properties LP | 5.000% | 7/01/25 | BBB | 398,083 |
| 1,030 | DuPont Fabros Technology LP, (9) | 5.625% | 6/15/23 | Ba1 | 1,084,074 |
| 160 | EPR Properties Inc. | 4.500% | 4/01/25 | Baa2 | 162,216 |
| 710 | Geo Group Inc. | 6.000% | 4/15/26 | B+ | 603,500 |
| 350 | MPT Operating Partnership Finance | 5.250% | 8/01/26 | BBB | 363,125 |
| 545 | Omega Healthcare Investors Inc. | 4.500% | 4/01/27 | BBB | 548,214 |
| 855 | PLA Administradora Industrial, S. de R.L. de C.V., 144A | 5.250% | 11/10/22 | Baa3 | 872,100 |
| 600 | Trust F/1401, 144A | 5.250% | 1/30/26 | Baa2 | 621,900 |
| | Total Real Estate Investment Trusts | | | | 5,708,666 |
| | Real Estate Management & Development 0.9% | | | | |
| 755 | Hunt Companies Inc., 144A | 9.625% | 3/01/21 | N/R | 775,763 |
| 955 | Kennedy-Wilson Holdings Incorporated | 5.875% | 4/01/24 | BB | 962,162 |
| | Total Real Estate Management & Development | | | | 1,737,925 |
| | Road & Rail 0.3% | | | | |
| 640 | Watco Companies LLC Finance, 144A | 6.375% | 4/01/23 | B | 646,400 |

Software 0.5%

| | | | | | |
|-----|---|--------|----------|----|---------|
| 880 | SixSigma Networks Mexico SA de CV, 144A | 8.250% | 11/07/21 | B+ | 855,800 |
|-----|---|--------|----------|----|---------|

**Transportation Infrastructure
0.2%**

| | | | | | |
|-----|---------------------------------|--------|----------|------|---------|
| 400 | Mexico City Airport Trust, 144A | 4.250% | 10/31/26 | BBB+ | 401,000 |
|-----|---------------------------------|--------|----------|------|---------|

**Wireless Telecommunication
Services 0.5%**

| | | | | | |
|-------|---|--------|---------|-----|------------|
| 1,045 | Inmarsat Finance PLC, 144A | 4.875% | 5/15/22 | BB+ | 992,750 |
| | Total Corporate Bonds (cost \$36,317,817) | | | | 35,813,190 |

| Principal Amount (000) | Description (1) | Coupon | Maturity | Ratings (6) | Value |
|------------------------|---|--------|----------|-------------|--------------|
| | CONVERTIBLE BONDS 1.0% (0.7% of Total Investments) | | | | |
| | Multi-Utilities 0.5% | | | | |
| \$ 1,005 | Dominion Resources Inc. | 5.750% | 10/01/54 | BBB | \$ 1,039,974 |
| | Oil, Gas & Consumable Fuels 0.5% | | | | |
| 1,050 | DCP Midstream LLC, 144A | 5.850% | 5/21/43 | BB | 871,500 |
| \$ 2,055 | Total Convertible Bonds (cost \$2,020,329) | | | | 1,911,474 |

JRI Nuveen Real Asset Income and Growth Fund
Portfolio of Investments (continued)

September 30, 2016 (Unaudited)

| Principal Amount (000) (7) | Description (1) | Coupon | Maturity | Ratings (6) | Value |
|---|--|--------|----------|----------------|--------------|
| \$1,000 PAR (OR SIMILAR) INSTITUTIONAL PREFERRED 11.2% (7.9% of Total Investments) | | | | | |
| Diversified Financial Services 0.4% | | | | | |
| \$ 720 | National Rural Utilities Cooperative Finance Corporation | 5.250% | 4/20/46 | A3 | \$ 777,240 |
| Electric Utilities 5.9% | | | | | |
| 830 | AES Gener SA, 144A | 8.375% | 12/18/73 | BB | 877,725 |
| 850 | ComEd Financing III | 6.350% | 3/15/33 | Baa2 | 896,604 |
| 4,155 | Emera, Inc., (9) | 6.750% | 6/15/76 | BBB | 4,468,702 |
| 1,630 | Enel SpA, 144A | 8.750% | 9/24/73 | BBB | 1,905,063 |
| 600 | EUR Energias de Portugal, SA, Reg S | 5.375% | 9/16/75 | Ba2 | 687,995 |
| 530 | FPL Group Capital Inc. | 6.350% | 10/01/66 | BBB | 438,246 |
| 1,285 | GBP NGG Finance PLC, Reg S | 5.625% | 6/18/73 | BBB | 1,869,582 |
| Total Electric Utilities | | | | | 11,143,917 |
| Energy Equipment & Services 3.8% | | | | | |
| 2,740 | Transcanada Trust | 5.875% | 8/15/76 | BBB | 2,898,920 |
| 3,135 | Transcanada Trust, (9) | 5.625% | 5/20/75 | BBB | 3,174,188 |
| 890 | EUR Origin Energy Finance Limited, Reg S | 7.875% | 6/16/71 | BB | 1,060,609 |
| Total Energy Equipment & Services | | | | | 7,133,717 |
| Multi-Utilities 0.7% | | | | | |
| 915 | GBP Centrica PLC, Reg S | 5.250% | 4/10/75 | BBB | 1,226,003 |
| Oil, Gas & Consumable Fuels 0.4% | | | | | |
| 775 | Enterprise Products Operating LP, (5) | 7.034% | 1/15/68 | Baa2 | 818,985 |
| Total \$1,000 Par (or similar) Institutional Preferred (cost \$20,230,631) | | | | | 21,099,862 |
| Shares | Description (1), (8) | | | | Value |
| INVESTMENT COMPANIES 2.6% (1.8% of Total Investments) | | | | | |
| 719,838 | John Laing Infrastructure Fund | | | | \$ 1,201,726 |
| 7,232,535 | Keppel Infrastructure Trust | | | | 2,678,324 |
| 261,952 | NextEnergy Solar Fund Limited | | | | 360,325 |
| 411,853 | Starwood European Real Estate Finance Limited | | | | 573,860 |
| | | | | | 4,814,235 |

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Total Investment Companies (cost
\$4,888,912)

**Total Long-Term Investments (cost
\$247,601,516) 261,811,519**

| Principal Amount (000) | Description (1) | Coupon | Maturity | Value |
|-----------------------------------|---|---|-----------------|-----------------------|
| | SHORT-TERM INVESTMENTS | 2.6% (1.8% of Total Investments) | | |
| | REPURCHASE AGREEMENTS | 2.6% (1.8% of Total Investments) | | |
| \$ 4,921 | Repurchase Agreement with Fixed Income Clearing Corporation, dated 9/30/16, repurchase price \$4,920,559, collateralized by \$4,440,000 U.S. Treasury Bonds, 2.875%, due 8/15/45, value \$5,028,300 | 0.030% | 10/03/16 | \$ 4,920,547 |
| | Total Short-Term Investments (cost \$4,920,547) | | | 4,920,547 |
| | Total Investments (cost \$252,522,063) | | | 266,732,066 |
| | Borrowings (38.8)% (10), (11) | | | (73,025,000) |
| | Other Assets Less Liabilities (2.9)% (12) | | | (5,431,693) |
| | Net Assets 100% | | | \$ 188,275,373 |

Investments in Derivatives as of September 30, 2016

Futures Contracts

| Description | Contract Position | Number of Contracts | Contract Expiration | Notional Value | Variation Margin Receivable/ (Payable) | Unrealized Appreciation (Depreciation) |
|---------------------------|-------------------|---------------------|---------------------|----------------|--|--|
| U.S. Treasury 5-Year Note | Short | (39) | 12/16 | \$ (4,739,109) | \$ 8,227 | \$ (10,322) |

Interest Rate Swaps

| Counterparty | Fund Pay/Receive | | Floating Rate Index | Fixed Rate Annualized | Payment Frequency | Effective Date (13) | Optional Termination Date | Termination Date | |
|---------------------------|------------------|---------------|-----------------------|-----------------------|-------------------|---------------------|---------------------------|------------------|--------|
| | Notional Amount | Floating Rate | | | | | | | |
| JPMorgan Chase Bank, N.A. | \$ 29,250,000 | Receive | 1-Month USD-LIBOR-ICE | 1.462% | Monthly | 1/03/17 | 12/01/18 | 12/01/20 | \$ (|
| JPMorgan Chase Bank, N.A. | 29,250,000 | Receive | 1-Month USD-LIBOR-ICE | 1.842 | Monthly | 1/03/17 | 12/01/20 | 12/01/22 | (1, |
| | \$ 58,500,000 | | | | | | | | \$ (2, |

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:

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| | Level 1 | Level 2 | Level 3 | Total |
|--|-----------------------|-----------------------|---------------|-----------------------|
| Long-Term Investments: | | | | |
| Common Stocks | \$ 68,040,163 | \$ 49,533,345 | \$ 313 | \$ 117,573,821 |
| Convertible Preferred Securities | 25,883,133 | 927,396 | | 26,810,529 |
| \$25 Par (or similar) Retail Preferred | 52,482,172 | 1,306,236 | | 53,788,408 |
| Corporate Bonds | | 35,813,190 | | 35,813,190 |
| Convertible Bonds | | 1,911,474 | | 1,911,474 |
| \$1,000 Par (or similar) Institutional Preferred | | 21,099,862 | | 21,099,862 |
| Investment Companies | 4,814,235 | | | 4,814,235 |
| Short-Term Investments: | | | | |
| Repurchase Agreements | | 4,920,547 | | 4,920,547 |
| Investments in Derivatives: | | | | |
| Futures Contracts* | (10,322) | | | (10,322) |
| Interest Rate Swaps* | | (2,773,711) | | (2,773,711) |
| Total | \$ 151,209,381 | \$ 112,738,339 | \$ 313 | \$ 263,948,033 |

*Represents net unrealized appreciation (depreciation).

JRI Nuveen Real Asset Income and Growth Fund
Portfolio of Investments (continued)

September 30, 2016 (Unaudited)

The table below presents the transfers in and out of the three valuation levels for the Funds as of the end of the reporting period when compared to the valuation levels at the end of the previous fiscal year. Changes in valuation inputs or methodologies may result in transfers into or out of an assigned level within the fair value hierarchy. Transfers in or out of levels are generally due to the availability of publicly available information and to the significance or extent the Adviser determines that the valuation inputs or methodologies may impact the valuation of those securities.

| | Level 1 | | Level 2 | | Level 3 | |
|--|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| | Transfers In | (Transfers Out) | Transfers In | (Transfers Out) | Transfers In | (Transfers Out) |
| Common Stocks | \$ 678,723 | \$ (2,037,171) | \$ 2,037,171 | \$ (678,723) | \$ | \$ |
| Convertible Preferred Securities | 1,395,590 | | | (1,395,590) | | |
| \$25 Par (or similar) Retail Preferred | 559,964 | | | (559,964) | | |

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 the recognition of premium amortization, and timing differences in recognizing certain gains and losses on investment transactions. 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.

As of September 30, 2016, the cost of investments (excluding investments in derivatives) was \$253,986,972.

Gross unrealized appreciation and gross unrealized depreciation of investments (excluding investments in derivatives) as of September 30, 2016, were as follows:

| | |
|---|---------------|
| Gross unrealized: | |
| Appreciation | \$ 18,044,909 |
| Depreciation | (5,299,815) |
| Net unrealized appreciation (depreciation) of investments | \$ 12,745,094 |

For Fund portfolio compliance purposes, the Fund's industry classifications refer to any one or more of the industry sub-classifications used by one or more widely recognized market indexes or ratings group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine industry sub-classifications into sectors for reporting ease.

(1) All percentages shown in the Portfolio of Investments are based on net assets.

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- (2) For fair value measurement disclosure purposes, investment classified as Level 2.
- (3) Investment valued 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.
- (4) Non-income producing; issuer has not declared a dividend within the past twelve months.
- (5) Investment, or portion of investment, has been pledged to collateralize the net payment obligations for investments in derivatives.
- (6) 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.
- (7) Principal Amount (000) denominated in U.S. Dollars, unless otherwise noted.
- (8) A copy of the most recent financial statements for these investment companies can be obtained directly from the Securities and Exchange Commission on its website at <http://www.sec.gov>.
- (9) Investment, or portion of investment, is hypothecated. The total value of investments hypothecated as of the end of the reporting period was \$21,649,195.
- (10) Borrowings as a percentage of Total Investments is 27.4%.
- (11) The Fund may pledge up to 100% of its eligible investments (excluding any investments separately pledged as collateral for specific investments in derivatives, when applicable) in the Portfolio of Investments as collateral for borrowings. As of the end of the reporting period, investments with a value of \$158,176,806 have been pledged as collateral for borrowings.
- (12) Other assets less liabilities includes the unrealized appreciation (depreciation) of certain over-the-counter (OTC) derivatives as well as the OTC-cleared and exchange-traded derivatives, when applicable.
- (13) Effective date represents the date on which both the Fund and counterparty commence interest payment accruals on each contract.

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

ADR American Depository Receipt

10 NUVEEN

| | |
|---------------|---|
| REIT | Real Estate Investment Trust |
| Reg S | Regulation S allows U.S. companies to sell securities to persons or entities located outside of the United States without registering those securities with the Securities and Exchange Commission. Specifically, Regulation S provides a safe harbor from the registration requirements of the Securities Act for the offers and sales of securities by both foreign and domestic issuers that are made outside the United States. |
| 144A | Investment is exempt from registration under Rule 144A of the Securities Act of 1933, as amended. These investments may only be resold in transactions exempt from registration, which are normally those transactions with qualified institutional buyers. |
| EUR | Euro |
| GBP | Pound Sterling |
| NOK | Norwegian Krone |
| USD-LIBOR-ICE | United States Dollar London Inter-Bank Offered Rate Intercontinental Exchange |

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: 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 Real Asset Income and Growth Fund

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

Gifford R. Zimmerman
Vice President and Secretary

Date: November 29, 2016

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: November 29, 2016

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

Stephen D. Foy
Vice President and Controller (principal financial officer)

Date: November 29, 2016