

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

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
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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
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Transportation Infrastructure 0.2%

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

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