

Board of Governors of the Federal Reserve System



Annual Report of Holding Companies—FR Y-6

Report at the close of business as of the end of fiscal year

This Report is required by law: Section 5(c)(1)(A) of the Bank Holding Company Act (12 U.S.C. § 1844(c)(1)(A)); sections 8(a) and 13(a) of the International Banking Act (12 U.S.C. §§ 3106(a) and 3108(a)); sections 11(a)(1), 25, and 25A of the Federal Reserve Act (12 U.S.C. §§ 248(a)(1), 602, and 611a); and sections 113, 165, 312, 618, and 809 of the Dodd-Frank Act (12 U.S.C. §§ 5361, 5365, 5412, 1850a(c)(1), and 5468(b)(1)). Return to the appropriate Federal Reserve Bank the original and the number of copies specified.

This report form is to be filed by all top-tier bank holding companies, top-tier savings and loan holding companies, and U.S. intermediate holding companies organized under U.S. law, and by any foreign banking organization that does not meet the requirements of and is not treated as a qualifying foreign banking organization under Section 211.23 of Regulation K (12 C.F.R. § 211.23). (See page one of the general instructions for more detail of who must file.) The Federal Reserve may not conduct or sponsor, and an organization (or a person) is not required to respond to, an information collection unless it displays a currently valid OMB control number.

NOTE: The *Annual Report of Holding Companies* must be signed by one director of the top-tier holding company. This individual should also be a senior official of the top-tier holding company. In the event that the top-tier holding company does not have an individual who is a senior official and is also a director, the chairman of the board must sign the report. If the holding company is an ESOP/ESOT formed as a corporation or is an LLC, see the General Instructions for the authorized individual who must sign the report.

I, Roger W. Ferguson

Name of the Holding Company Director and Official

President & CEO

Title of the Holding Company Director and Official

attest that the *Annual Report of Holding Companies* (including the supporting attachments) for this report date has been prepared in conformance with the instructions issued by the Federal Reserve System and are true and correct to the best of my knowledge and belief.

With respect to information regarding individuals contained in this report, the Reporter certifies that it has the authority to provide this information to the Federal Reserve. The Reporter also certifies that it has the authority, on behalf of each individual, to consent or object to public release of information regarding that individual. The Federal Reserve may assume, in the absence of a request for confidential treatment submitted in accordance with the Board's "Rules Regarding Availability of Information," 12 C.F.R. Part 261, that the Reporter and individual consent to public release of all details in the report concerning that individual.

Roger W. Ferguson, Jr.

Signature of Holding Company Director and Official

3-24-17

Date of Signature

For holding companies not registered with the SEC—
 Indicate status of Annual Report to Shareholders:

- is included with the FR Y-6 report
- will be sent under separate cover
- is not prepared

For Federal Reserve Bank Use Only

RSSD ID _____

C.I. _____

Date of Report (top-tier holding company's fiscal year-end):

December 31, 2016

Month / Day / Year

O06XD7BJ4EPXNABVFN69

Reporter's Legal Entity Identifier (LEI) (20-Character LEI Code)

Reporter's Name, Street, and Mailing Address

Teachers Insurance and Annuity Association

Legal Title of Holding Company

730 Third Avenue

(Mailing Address of the Holding Company) Street / P.O. Box

New York

NY

10017

City

State

Zip Code

Physical Location (if different from mailing address)

Person to whom questions about this report should be directed:

Moshe Klagsbrun

Senior Director

Name

Title

212-913-7757

Area Code / Phone Number / Extension

212-916-4966

Area Code / FAX Number

mklagsbrun@tiaa.org

E-mail Address

Address (URL) for the Holding Company's web page

Is confidential treatment requested for any portion of this report submission?.....

0=No

1=Yes

0

In accordance with the General Instructions for this report (check only one),

- 1. a letter justifying this request is being provided along with the report
- 2. a letter justifying this request has been provided separately

NOTE: Information for which confidential treatment is being requested must be provided separately and labeled as "confidential."

Form FR Y-6
2a: Organizational Chart/Ownership
Teachers Insurance and Annuity Association of America (TIAA)
New York, New York
Fiscal Year Ending December 31, 2016

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
1	TIAA Board Of Overseers	NY	New York, NY, U.S.A.				
2	Teachers Insurance and Annuity Association of America	NY	New York, NY, U.S.A.	O06XD7BJ4EPXNABVFN69		TIAA Board Of Overseers	100%
3	1000 Waterford General Partner LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Blue Lagoon REIT LP	100%
4	1000 Waterford Operating LP	DE	Miami, FL, U.S.A.		Limited Partner / Non-Managing Member	Waterford Blue Lagoon REIT LP	100%
5	1000 Waterford Operating LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	1000 Waterford General Partner LLC	0%
6	101/103 JFK Parkway SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Giralda Whippany & JFK LLC	100%
7	1608 Chestnut Partners, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 1608 Chestnut Limited Partner LLC	99%
8	1608 Chestnut Partners, LP	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C 1608 Chestnut General Partner LLC	1%
9	1867 Infrastructure Holdings Inc.	Canada	Montreal, Quebec, Canada			A-30 Canadian Transport Inc.	75%
10	1931 Norman Drive, L.L.C.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	NA Property Fund Holdings, L.L.C.	100%
11	2000 Riverside Capital Appreciation Fund LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
12	2003 Riverside Capital Appreciation Fund LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
13	3 Giralda Farms SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Giralda Whippany & JFK LLC	100%
14	333 Earle Ovington Boulevard SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Omni Partners I, L.P.	100%
15	36 rue La Fayette	France (Other)	Paris, , France (Other)		General Partner / Managing Member	Cityhold Propco 9 S.à r.l.	100%
16	395 N. Service Road SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Melville Service Road & Lindbergh LLC	100%
17	3i Eurofund IVA, L.P.	United Kingdom (other)	London, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
18	3i Europartners Vb, L.P.	United Kingdom (other)	London, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
19	3i Networks Finland LP (LNI)	United Kingdom (other)	London, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
20	3i Osprey, L.P.	United Kingdom (other)	London, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
21	3i U.S. Growth Healthcare Fund 2008, L.P.	Jersey	London, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
22	400 Montgomery Investors, LLC	DE	San Francisco, CA, U.S.A.		Limited Partner / Non-Managing Member	T-C 400 Montgomery, LLC	97%
23	44 Whippany Road SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Giralda Whippany & JFK LLC	100%
24	48 S. Service Road SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Melville Service Road & Lindbergh LLC	100%
25	485 Properties, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
26	50 Charles Lindbergh Boulevard SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Melville Service Road & Lindbergh LLC	100%
27	5200 Waterford General Partner LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Blue Lagoon REIT LP	100%
28	5200 Waterford Operating LP	DE	Miami, FL, U.S.A.		Limited Partner / Non-Managing Member	Waterford Blue Lagoon REIT LP	100%
29	5200 Waterford Operating LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	5200 Waterford General Partner LLC	0%
30	5201-5301 Waterford General Partner LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Blue Lagoon REIT LP	100%
31	5201-5301 Waterford Operating LP	DE	Miami, FL, U.S.A.		Limited Partner / Non-Managing Member	Waterford Blue Lagoon REIT LP	100%
32	5201-5301 Waterford Operating LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	5201-5301 Waterford General Partner LLC	0%
33	58/68 S. Service Road SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Melville Service Road & Lindbergh LLC	100%
34	60 Great Portland Street Unit Trust	Jersey	St. Helier, , Jersey			Cityhold UK Holding S.à r.l.	99%
35	70 St Mary Axe Unit Trust	Jersey	St. Helier, , Jersey			Cityhold Peak S.à r.l.	99%
36	701-703 Waterford General Partner LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Blue Lagoon REIT LP	100%
37	701-703 Waterford Operating LP	DE	Miami, FL, U.S.A.		Limited Partner / Non-Managing Member	Waterford Blue Lagoon REIT LP	100%
38	701-703 Waterford Operating LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	701-703 Waterford General Partner LLC	0%
39	703 Waterford General Partner LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Blue Lagoon REIT LP	100%
40	703 Waterford Operating LP	DE	Miami, FL, U.S.A.		Limited Partner / Non-Managing Member	Waterford Blue Lagoon REIT LP	100%
41	703 Waterford Operating LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	703 Waterford General Partner LLC	0%
42	730 Carroll, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	730 Power Development, LLC	100%
43	730 Catsolar, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA SynGas, LLC	100%
44	730 Cricket, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	730 Power Development, LLC	100%
45	730 Data Centers, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
46	730 Databridge, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	730 Data Centers, LLC	100%
47	730 Power Development, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
48	730 Telecom LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
49	730 Texas Forest Holdings, Inc.	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
50	730 Texas Timberlands II, Ltd.	TX	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	730 Texas Forest Holdings, Inc.	1%
51	730 Texas Timberlands II, Ltd.	TX	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	99%
52	730 Texas Timberlands, Ltd.	TX	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	730 Texas Forest Holdings, Inc.	1%
53	730 Texas Timberlands, Ltd.	TX	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA Timberlands I, LLC	99%
54	8 Spruce Street GA Investor LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
55	A-30 Canadian Transport Inc.	Canada	Montreal, Quebec, Canada			TIAA Infrastructure Investments, LLC	100%
56	Aavishkaar India II Company Ltd.	Mauritius	Mumbai, , India (Other)		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
57	Accion Frontier Inclusion Fund, L.P.	Cayman Islands	Washington, DC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
58	ACS NA30 Holding Inc.	Canada	Montreal, Quebec, Canada			1867 Infrastructure Holdings Inc.	100%
59	Actgas, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Oil and Gas Investments, LLC	100%
60	Active Extension Fund I, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
61	Active Extension Fund III, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
62	Actoil Bakken, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Oil and Gas Investments, LLC	100%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
63	Actoil Colorado, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Oil and Gas Investments, LLC	100%
64	Actoil Utica, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Oil and Gas Investments, LLC	100%
65	Actoil, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Oil and Gas Investments, LLC	100%
66	Adamas SA	Poland	Pyrzyce, , Poland		General Partner / Managing Member	Dangro Invest SA	100%
67	Adastra Management Inc.	Canada	Calgary, Alberta, Canada			Polar Star Canadian Oil and Gas Holding, Inc.	40%
68	Adeoti Empreendimentos Imobiliários Ltda	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	T-C JK I LLC	51%
69	Adeoti Empreendimentos Imobiliários Ltda	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	T-C JK II LLC	49%
70	Administração de Participações Aguassanta Ltda	Brazil	Sao Paulo, , Brazil		Limited Partner / Non-Managing Member	Radar II Propriedades Agrícolas S.A.	100%
71	AE Investor II, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA SynGas, LLC	57%
72	AGR Agricultural Investments LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Occator Agricultural Properties, LLC	100%
73	AGR Partners LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
74	Agrícola AG II Limitada	Chile	Santiago, , Chile		General Partner / Managing Member	TIAA-CREF Global Agriculture II LLC	100%
75	Agrobio Investimentos e Participações S.A.	Brazil	Sao Paulo, , Brazil			Tellus Brasil Participações S.A.	100%
76	Aguas da Ponte Alta S.A.	Brazil	Sao Paulo, , Brazil			Administração de Participações Aguassanta Ltda	100%
77	AGW Empreendimentos e Participações S/A	Brazil	Sao Paulo, , Brazil			Janus Brasil Participacoes, S.A.	100%
78	AIPCF V AIV A, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
79	Ala Moana Holding, LLC	DE	Honolulu, HI, U.S.A.		Limited Partner / Non-Managing Member	T-C Pearl REIT 2 LLC	NR
80	Albert Co-Investment Holdings, LP	Cayman Islands	Cary, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
81	Almond Processors, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
82	Alta Loma Vineyard LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Winegrowers, LLC	100%
83	American Industrial Partners Capital Fund IV (Cayman), L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
84	American Industrial Partners Capital Fund IV, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
85	American Industrial Partners Capital Fund V, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
86	American Safety Council – California Division, Inc.	DE	Encino, CA, U.S.A.			American Safety Holding Corporation	100%
87	American Safety Council – Insurance Division, Inc.	DE	Orlando, FL, U.S.A.			American Safety Holding Corporation	100%
88	American Safety Council, Inc.	DE	Orlando, FL, U.S.A.			American Safety Holding Corporation	100%
89	American Safety Holding Corporation	DE	Charlotte, NC, U.S.A.			FCP-ASC Holdings, LLC	98%
90	Anglo-Sino Henderson Investment Consultancy (Beijing) (China), Peoples Republic of	China, Peoples Republic of			General Partner / Managing Member	TH RE Group Holdings Limited	100%
91	Aquila Sonnet LP	Canada	Toronto, , Canada	5493009X23VFW5HYZC16	Limited Partner / Non-Managing Member	TIAA Infrastructure Investments, LLC	31%
92	AREFM (BVI) Limited	British Virgin Islands	Virgin Islands		Limited Partner / Non-Managing Member	TH RE Group Holdings Limited	50%
93	Aroeira Propriedades Agrícolas Ltda	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Janus Brasil Participacoes, S.A.	100%
94	Arpeggio Fund	Cayman Islands	San Francisco, CA, U.S.A.			Symphony Asset Management LLC	100%
95	Arroyo Loma, LLC	DE	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
96	Asia Opportunity Fund II, L.P.	Cayman Islands	Hong Kong, , Hong Kong		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
97	Asia Opportunity Fund, L.P.	Cayman Islands	Hong Kong, , Hong Kong		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
98	Astoria Energy II, LLC	DE	New York, NY, U.S.A.	549300W4PN7GCQ57JL46	Limited Partner / Non-Managing Member	Astoria Project Partners II, LLC	100%
99	Astoria Project Partners II, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	AE Investor II, LLC	NR
100	Aurora Capital Partners IV, LP	DE	Los Angeles, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
101	Aurora Equity Partners V L.P.	DE	Los Angeles, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
102	Aurora Plastics (Equity Co-Invest)	DE	Chicago, IL, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	100%
103	AVANATH AFFORDABLE HOUSING I, LLC	DE	Irvine, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
104	AVANATH AFFORDABLE HOUSING II LLC	DE	Irvine, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
105	Bamboo Financial Inclusion Fund II, S.A., SICAV-SIF	Luxembourg	, , U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	45%
106	BayCity CLO Holdings, L.P.	CA	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	0%
107	Baycity Convertible Arbitrage Master Fund, L.P.	Cayman Islands	San Francisco, CA, U.S.A.	7D4Z5IEMNRMOPP8I7112	General Partner / Managing Member	Symphony Asset Management LLC	1%
108	BayCity Convertible Bond Fund, L.P.	CA	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	1%
109	BayCity Corporate Arbitrage and Relative Value Fund, L.P.	DE	San Francisco, CA, U.S.A.	549300VLU33XZVEUB130	General Partner / Managing Member	Symphony Asset Management LLC	1%
110	BayCity Credit Opportunities Fund L.P.	DE	San Francisco, CA, U.S.A.	5493004P18GUB1AAUI68	General Partner / Managing Member	Symphony Asset Management LLC	1%
111	BayCity Customized Solution Fund R, L.P.	DE	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	1%
112	BayCity Customized Solution Fund S, L.P.	DE	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	1%
113	BayCity Event Driven Opportunities Fund, L.P.	DE	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	1%
114	BayCity Event Driven Opportunities Master Fund, L.P.	Cayman Islands	San Francisco, CA, U.S.A.	X6JCY7CQZH2DZIQ6CG16	General Partner / Managing Member	Symphony Asset Management LLC	1%
115	BayCity Long Short Credit Fund, L.P.	CA	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	1%
116	BayCity Senior Loan Fund L.P.	DE	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	1%
117	BayCity Small Cap Core Fund, L.P.	CA	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	4%
118	BayCity Small Cap Core Fund, L.P.	CA	San Francisco, CA, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	95%
119	BC European Capital VIII-1, L.P.	United Kingdom (other)	London, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
120	BC European Capital VIII-2, L.P.	United Kingdom (other)	London, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
121	BC European Capital VIII-3, L.P.	United Kingdom (other)	London, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
122	BCIMC Investment Trust	Canada	Victoria, British Columbia, Canada			TCGA BT AIV, LLC	0%
123	BDCM Opportunity Fund Fund II NBF AIV (U.S.), L.P.	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
124	Beacon Group Energy Investment Fund II, L.P.	DE	Portland, ME, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
125	Beaver Investment Holdings LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
126	Beecken Petty O'Keefe Fund IV, L.P.	DE	Chicago, IL, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
127	Bertram Growth Capital III, LP	DE	San Mateo, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
128	Bioinvestments Negócios e Participações	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Administração de Participações Aguassanta Ltda	100%
129	Bison Capital Partners IV, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
130	Blue Point Capital Partners III, L.P.	DE	Cleveland, OH, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
131	Blue Water Energy Fund I-A, L.P.	Guernsey	London, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
132	BOA Partnership GP, L.L.C.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	NA Property Fund Holdings, L.L.C.	100%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
133	BOA Partnership, L.P.	TX	Hartford, CT, U.S.A.		General Partner / Managing Member	BOA Partnership GP, L.L.C.	1%
134	BOA Partnership, L.P.	TX	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	NA Property Fund Holdings, L.L.C.	99%
135	Boardman Tree Farm, LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	GreenWood Tree Farm Fund, LP	100%
136	Boston Road Manager, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VI Holdings, LLC	100%
137	Boston Road, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Boston Road Manager, LLC	100%
138	BP SCI, LLC	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
139	Brasilwood Reflorestamento S.A.	Brazil	Sao Paulo, Brazil			GTR Brasil Participacoes Ltda	74%
140	Bravura 99 Fund, L.P.	CA	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	4%
141	Bravura 99 Fund, L.P.	CA	San Francisco, CA, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	12%
142	Brentwood Associates Private Equity V, L.P.	DE	Los Angeles, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
143	Bridge View Land, LLC	CA	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
144	Broadleaf Timberland Investments, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
145	Brusno Maszynny Sp. z o.o.	Poland	Kwidzyn, Poland		Limited Partner / Non-Managing Member	Global Timber International, LLC	100%
146	Brusno Resort Spolka Z Organiczna Odpowiedzialnoscia	Poland	Kwidzyn, Poland		Limited Partner / Non-Managing Member	opema 95 Fundusz Inwestycyjny Zamkniety Aktywow Niepublicznych ("FIZAN	100%
147	Bruyeres I SAS	France (Other)	Paris, France (Other)		General Partner / Managing Member	ND Europe S.a.r.l.	100%
148	Bruyeres II SAS	France (Other)	Paris, France (Other)		General Partner / Managing Member	ND Europe S.a.r.l.	100%
149	BV Apartments, L.L.C.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Group, L.L.C.	100%
150	Calera XVII, LLC	DE	San Francisco, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
151	Cam Hr Resources LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Churchill Asset Management LLC	99%
152	Cam Hr Resources LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	1%
153	Campbell Opp Timber Fund-A, L.P.	DE	Portland, OR, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
154	Campbell Timber Fund II-A, LP	DE	Portland, OR, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
155	Capistrano Wind Partners, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA Wind Investments LLC	36%
156	Capital Dynamics US Solar Fund A, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
157	Capital Partners Private Equity Income Fund II Inst., L.P.	DE	Greenwich, CT, U.S.A.		General Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
158	Carousel Capital Partners IV, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
159	Carousel Capital Partners V	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
160	Carroll County Energy Holdings LLC	NC	Boston, MA, U.S.A.		Limited Partner / Non-Managing Member	730 Carroll, LLC	40%
161	Carroll County Energy LLC	DE	Boston, MA, U.S.A.	549300P5WM1CIGEGUG23	Limited Partner / Non-Managing Member	Carroll County Energy Holdings LLC	100%
162	Casa Grande Investments I, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	TH Property Holdings, L.L.C.	100%
163	Casa Grande Investments II, LP	IL	Hartford, CT, U.S.A.		General Partner / Managing Member	TH Property Holdings, L.L.C.	100%
164	Casa Group, L.L.C.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	TH Property Holdings, L.L.C.	0%
165	CASA III-Ross LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners III, L.P.	98%
166	Casa IV Acquisition, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners IV, L.P.	100%
167	CASA IV-Evets I Fund, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners IV, L.P.	90%
168	Casa Partners II, L.P.	IL	Hartford, CT, U.S.A.		General Partner / Managing Member	Global Investors GP, L.L.C.	1%
169	Casa Partners III, L.P.	IL	Hartford, CT, U.S.A.		General Partner / Managing Member	Global Investors GP, L.L.C.	0%
170	Casa Partners IV, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Global Investors GP, L.L.C.	0%
171	Casa Partners V Holdings, L.L.C.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V, LP	100%
172	Casa Partners V, LP	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Global Investors GP II, L.L.C.	0%
173	Casa Partners VI GP, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	TH Property Holdings, L.L.C.	100%
174	Casa Partners VI Holdings, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VI, LP	100%
175	Casa Partners VI, LP	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VI GP, LLC	0%
176	Casa Partners VII GP, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	TH Property Holdings, L.L.C.	100%
177	Casa Partners VII Holdings, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VII, LP	100%
178	Casa Partners VII, LP	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VII GP, LLC	0%
179	Casa Student Housing Fund GP, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	TH Property Holdings, L.L.C.	100%
180	Casa Student Housing Fund Holdings, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Student Housing Fund, LP	100%
181	Casa Student Housing Fund, LP	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Student Housing Fund GP, LLC	0%
182	Casa Student Housing Fund, LP	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	100%
183	CASA VI 50WB, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VI Holdings, LLC	90%
184	Castlelake II Opportunities, L.P.	DE	Minneapolis, MN, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
185	Castle-Renaissance Borrower, LLC	MD	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	CASA III-Ross LLC	100%
186	Castle-Renaissance, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	CASA III-Ross LLC	100%
187	Catalina Solar Lessee Holdco, LLC	DE	San Diego, U.S.A.		Limited Partner / Non-Managing Member	730 Catsolar, LLC	50%
188	Catalina Solar Lessee, LLC	DE	San Diego, U.S.A.		Limited Partner / Non-Managing Member	Catalina Solar Lessee Holdco, LLC	100%
189	CATALYST MICROFINANCE INVESTORS	Mauritius	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
190	Catterton Partners V, L.P.	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
191	Catterton Partners VI Kangaroo, L.P.	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
192	Catterton Partners VI Steel AIV, L.P.	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
193	Catterton Partners VI, L.P.	DE	Greenwich, CT, U.S.A.	54930013OMY0ML0XAA47	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
194	CB Concierge Residential Opportunity Fund - 2013 Limited	DE	Bethesda, MD, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
195	CBUT-C, LLC	DE	Chattanooga, TN, U.S.A.		Limited Partner / Non-Managing Member	T-C Midwest Retail LLC	50%
196	CCAP Fund 3, L.P.	Cayman Islands	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
197	CCAP FUND 6 - 2015, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series, LLC	87%
198	CCAP FUND 6 - 2015, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
199	CCAP FUND 6-2016, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series, LLC	97%
200	CCAP FUND 6-2016, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
201	CCAP FUND 8 - 2015, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series, LLC	92%
202	CCAP FUND 8 - 2015, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
203	CCAP FUND 8 - 2016, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series, LLC	90%
204	CCAP FUND 8 - 2016, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
205	CCAP FUND 8 - 2017, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series, LLC	91%
206	CCAP FUND 8 - 2017, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
207	CCAP Fund EIP, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
208	CCAP Fund FI, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series 2, LLC	90%
209	CCAP Fund FI, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
210	CCAP Fund GE, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series, LLC	88%
211	CCAP Fund GE, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
212	CCAP Fund HFD, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series, LLC	98%
213	CCAP Fund HFD, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
214	CCAP Fund HFND, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series, LLC	93%
215	CCAP Fund HFND, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
216	CCAP Fund MRA (Cayman), Ltd.	Cayman Islands	Houston, TX, U.S.A.		Not reportable interest	CCAP GP, LLC	0%
217	CCAP Fund MRA, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series, LLC	93%
218	CCAP Fund MRA, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
219	CCAP Fund PDS (Cayman), Ltd.	Cayman Islands	Houston, TX, U.S.A.		Not reportable interest	CCAP GP, LLC	0%
220	CCAP Fund PDS, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	CCM Series, LLC	89%
221	CCAP Fund PDS, L.P.	DE	Houston, TX, U.S.A.		General Partner / Managing Member	CCAP GP, LLC	0%
222	CCAP GP, LLC	DE	Houston, TX, U.S.A.		General Partner / Managing Member	Covariance Capital Management, Inc.	100%
223	CCM Series 2, LLC	DE	Houston, TX, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
224	CCM Series, LLC	DE	Houston, TX, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
225	CCMP Generac Co-invest, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
226	CD&R Bounce Co-investor, L.P.	Cayman Islands	New York, NY, U.S.A.	549300UJX1QJ0AMORV24	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
227	CDR SVM Co-Investor, L.P.	Cayman Islands	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
228	CenterOak Equity Fund I, L.P.	DE	Dallas, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
229	Centre Lane Partners III, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	35%
230	Cerberus Institutional Partners, L.P. (Series One)	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
231	Ceres Agricultural Properties, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
232	Cerpon Participações S.A.	Brazil	Sao Paulo, Brazil			Tellus Brasil Participações S.A.	100%
233	CGL Banyan Bay, L.P.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	CGL Investments, LLC	99%
234	CGL Banyan Bay, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	CGL Management, LLC	1%
235	CGL Investments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Group, L.L.C.	100%
236	CGL Los Prados, L.P.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	CGL Investments, LLC	99%
237	CGL Los Prados, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	CGL Management, LLC	1%
238	CGL Management, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Group, L.L.C.	100%
239	Chalk Ridge Vineyard, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
240	Chelmsford Commons Manager, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VI Holdings, LLC	100%
241	Chelmsford Commons, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Chelmsford Commons Manager, LLC	100%
242	Chilmark Fund II, L.P.	DE	Chicago, IL, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
243	China Designer Outlet Mall SA	Luxembourg	Luxembourg, Luxembourg		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
244	Churchill Asset Management LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
245	Churchill Mmsif Funding 1, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TGAM Churchill Middle Market Senior Loan Fund, LP	100%
246	Churchill Mmsif Funding 2, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Churchill MMSLF Master, LP	100%
247	Churchill MMSLF GT 1	DE	New York, NY, U.S.A.		Not reportable interest	TGAM Churchill Middle Market Senior Loan Fund, Offshore LP	50%
248	Churchill MMSLF GT 2	DE	New York, NY, U.S.A.		Not reportable interest	TGAM Churchill Middle Market Senior Loan Fund, Offshore LP	100%
249	Churchill MMSLF Master, LP	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	TGAM Churchill Fund GP LLC	50%
250	Churchill MMSLFK GT 1	DE	New York, NY, U.S.A.		Not reportable interest	TGAM Churchill Middle Market Senior Loan Fund K, LP	100%
251	Churchill MMSLFK GT 2	DE	New York, NY, U.S.A.		Not reportable interest	TGAM Churchill Middle Market Senior Loan Fund K, LP	100%
252	Churchill Special Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Churchill Asset Management LLC	100%
253	CIP Capital Fund II, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
254	CIP OCL Investments, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
255	Cityhold Euro S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Propco 9 S.à r.l.	88%
256	Cityhold Euro S.à r.l.	Luxembourg	Luxembourg, Luxembourg		Limited Partner / Non-Managing Member	ND Europe Office Holding S.à r.l.	NR
257	Cityhold Nympe S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Office Partnership S.à r.l.	88%
258	Cityhold Nympe S.à r.l.	Luxembourg	Luxembourg, Luxembourg		Limited Partner / Non-Managing Member	ND Europe Office Holding S.à r.l.	NR
259	Cityhold Office Partnership S.à r.l.	Luxembourg	Luxembourg, Luxembourg		Limited Partner / Non-Managing Member	ND Europe Office Holding S.à r.l.	50%
260	Cityhold Participations S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Sterling S.à r.l.	100%
261	Cityhold Peak Participations S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Sterling S.à r.l.	100%
262	Cityhold Peak S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Sterling S.à r.l.	100%
263	Cityhold Propco 10 S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Euro S.à r.l.	100%
264	Cityhold Propco 11 S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	ND Europe Office Holding S.à r.l.	50%
265	Cityhold Propco 12 S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Office Partnership S.à r.l.	100%
266	Cityhold Propco 6 S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Sterling S.à r.l.	100%
267	Cityhold Propco 7 S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Euro S.à r.l.	100%
268	Cityhold Propco 9 S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Office Partnership S.à r.l.	100%
269	Cityhold Sterling S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Office Partnership S.à r.l.	100%
270	Cityhold UK Holding S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold Sterling S.à r.l.	100%
271	Cityhold UK Investment S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	Cityhold UK Holding S.à r.l.	100%
272	Clearwater Capital Partners Fund IV, L.P.	Cayman Islands	New York, NY, U.S.A.	549300CH54YP2J2FCZ42	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
273	CLOF II (No 1 Nominee) Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	Henderson CLOF II (No 1 GP) Limited	100%
274	CLOF Victoria Nominee 1 Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	London Belgrave Unit Trust	100%
275	CLOF Victoria Nominee 2 Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	London Belgrave Unit Trust	100%
276	CLP LIFlex Holdings, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
277	Community Reinvestment Partners II, LP	CA	Tampa, FL, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	33%
278	Companhia Agrícola Botucatu	Brazil	Sao Paulo, , Brazil			Janus Brasil Participacoes, S.A.	100%
279	Compass Investment Partners Fund, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
280	Core Innovation Capital 1, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
281	Core Plus Bond Fund, LLC	DE	New York, NY, U.S.A.	63RYP01RRVU5XTXDSY33	General Partner / Managing Member	Gresham Investment Management LLC	0%
282	Country Village Shopping Center, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	NA Property Fund Holdings, L.L.C.	100%
283	Courcelles 70	France (Other)	Paris, , France (Other)		General Partner / Managing Member	Cityhold Propco 9 S.à r.l.	100%
284	Covariance Capital Management, Inc.	DE	Houston, TX, U.S.A.			TIAA-CREF Redwood, LLC	100%
285	Coverall First Holding LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
286	CP7 Pet Food Investment, LP (Wagg Foods)	Scotland	Dalton, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
287	CPCR Opportunity Fund II, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
288	CPCR Opportunity Fund, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
289	CPF 1511 Third Avenue LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	CPF/UIR Joint Venture LLC	100%
290	CPF 636 Sixth Avenue LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	CPF/UIR Joint Venture LLC	100%
291	CPF 856 Market Street LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	CPF/UIR Joint Venture LLC	100%
292	CPF/UIR Joint Venture LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	CPF/UIR JV Member LLC	51%
293	CPF/UIR Joint Venture TRS LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	U.S. Cities Retail Fund REIT LLC	100%
294	CPF/UIR JV Member LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Retail Fund Operating LP	100%
295	CPPIB-TIAA U.S. Real Property Fund, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	50%
296	CPPIB-TIAA U.S. Real Property Fund, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C SMA I, LLC	1%
297	Cranston Investments SP. z.o.o.	Poland	Warsaw, , Poland		General Partner / Managing Member	Neptune Polish Property Venture BV	100%
298	Creation Investments CF, LLC	DE	Chicago, IL, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	28%
299	Creation Investments Social Ventures Fund II, LP	DE	Chicago, IL, U.S.A.	549300IXWV05XYFFDB19	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
300	Creation Investments Social Ventures Fund III, L.P.	DE	Chicago, IL, U.S.A.	549300E7BSPULOKJ4F45	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
301	Crown Rock Minerals Co-Investment L.P.	Cayman Islands	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
302	C-T REIT LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	CPPIB-TIAA U.S. Real Property Fund, L.P.	99%
303	C-T Shenandoah LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	C-T REIT LLC	100%
304	CURT Manufacturing Holdings LLC	DE	Boston, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
305	CVII - Shoreline LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	ML CASA VII, LP	100%
306	CVII - Waterstone LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners VII Holdings, LLC	100%
307	Cyrium Investors IV LP	DE	Cleveland, OH, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
308	Dallas Clean Energy McCommas Bluff, LLC	DE	Dallas, TX, U.S.A.		General Partner / Managing Member	Dallas Clean Energy, LLC	100%
309	Dallas Clean Energy, LLC	DE	El Segundo, CA, U.S.A.		General Partner / Managing Member	McCommas Bluff Holdings LLC	51%
310	Dangro Invest SA	Denmark (Other)	frederiksvaerk, , Denmark (Other)		General Partner / Managing Member	TEFF Investments BV	100%
311	DDR-SAU Retail Fund, L.L.C.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Special Account-U, L.P.	80%
312	Demeter Agricultural Properties II, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Ceres Agricultural Properties, LLC	100%
313	Demeter Agricultural Properties, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
314	Diamond Real Estate Fund LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA Diamond Investor, LLC	NR
315	Dionysus Properties, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
316	DN LTDA	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Janus Brasil Participacoes, S.A.	100%
317	DPC Holdings, LLC	DE	New York, NY, U.S.A.	54930024FPYCTDPSTD52	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	27%
318	Driven Investors, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
319	DuBois Chemical (Equity Colinvest)	DE	Los Angeles, CA, U.S.A.			Teachers Insurance and Annuity Association of America	NR
320	DWM Inclusive Finance Equity Fund II	Luxembourg	Luxembourg, , Luxembourg		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
321	DWM MICROFINANCE EQUITY FUND I	Luxembourg	Stanford, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	48%
322	Easley Investments SP. z.o.o.	Poland	Warsaw, , Poland		General Partner / Managing Member	Neptune Polish Property Venture BV	100%
323	Eko Topola Sp. z o.o.	Poland	, , Poland		Limited Partner / Non-Managing Member	kopema 95 Fundusz Inwestycyjny Zamknięty Aktywów Niepublicznych ("FIZAN)	100%
324	EMG AE Permian Co-Investment, L.P.	DE	Dallas, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
325	EMG AE Utica Co-Investment, LP	DE	Dallas, TX, U.S.A.		Limited Partner / Non-Managing Member	Actoil Utica, LLC	NR
326	EMG Investments, LLC	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	Infra Alpha LLC	NR
327	EMG Utica II Co-Investment, LP	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
328	Energy Power Investment Company, LLC	DE	Allentown, PA, U.S.A.		Limited Partner / Non-Managing Member	North American Sustainable Energy Fund, L.P.	90%
329	Enhanced Debt Carry (GP) S.à r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	TH RE Group Holdings Limited	100%
330	Enhanced Debt Carry SCSp	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	Enhanced Debt Carry (GP) S.à r.l.	100%
331	ENTERPRISE MULTIFAMILY OPPORTUNITY FUND I L	DE	Columbia, MD, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	42%
332	Envisage Information Systems LLC	NY	Ithaca, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
333	EPP LFG I, LLC	DE	El Segundo, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	49%
334	EPP Renewable Energy, LLC	DE	Allentown, PA, U.S.A.		Limited Partner / Non-Managing Member	Energy Power Investment Company, LLC	100%
335	Erlangen Arcaden GmbH & Co. KG	Germany	Essen, , Germany		General Partner / Managing Member	TIAA Lux 5 S.a.r.l.	94%
336	Erlangen Arcaden GmbH & Co. KG	Germany	Essen, , Germany		General Partner / Managing Member	Erlangen Arcaden Verwaltungs GmbH	5%
337	Erlangen Arcaden Verwaltungs GmbH	Germany	Essen, , Germany		General Partner / Managing Member	TIAA Lux 5 S.a.r.l.	100%
338	Esus Brasil Participações S. A.	Brazil	Sao Paulo, , Brazil			Janus Brasil Participacoes, S.A.	100%
339	Eucalyptus Ventures, L.P.	DE	Waltham, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
340	EURL Olympe	France (Other)	Paris, , France (Other)		General Partner / Managing Member	Olympe (Holding)	100%
341	EURL Servin	France (Other)	Paris, , France (Other)		General Partner / Managing Member	Servin (Holding)	100%
342	European Cities Partnership (GP) S.a.r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	TH RE Group Holdings Limited	100%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
343	Excelligence Parent Holding, LLC	DE	Monterey, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
344	Falfurrias Capital Partners II, LP	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
345	Falfurrias Capital Partners III, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
346	FC 8 Spruce Holdings, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	8 Spruce Street GA Investor LLC	49%
347	FC 8 Spruce Street Residential, LLC	NY	New York, NY, U.S.A.		General Partner / Managing Member	FC 8 Spruce Holdings, LLC	100%
348	FCP-ASC Holdings, LLC	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	25%
349	FCP-RegEd Holdings, LLC	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
350	FIA Timber Growth Partners, L.P.	DE	Atlanta, GA, U.S.A.	549300WANDPUDCWTFQ82	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
351	Film Library Holdings LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
352	Flynn Restaurant Group LP	DE	San Francisco, CA, U.S.A.		Limited Partner / Non-Managing Member	MP FRG Co-Investors 2014 LLC	NR
353	Fordham Glen Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V Holdings, L.L.C.	100%
354	Forestal GTR Chile Limitada	Chile	, Chile		Limited Partner / Non-Managing Member	Global Timber Spain S.L.	99%
355	Forestal Monterrey Colombia SAS	Colombia	Bogota, Colombia			Global Timber Spain S.L.	82%
356	Forestal y Agrícola Silvicultura Chile Limitada	Chile	Santiago, Chile		Limited Partner / Non-Managing Member	Renewable Timber Resources LLC	99%
357	Forestwood Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners II, L.P.	100%
358	FORUM ASIAN REALTY INCOME II, L.P.	Cayman Islands	Cayman Islands, Cayman Islands	U008YC4I0SAM17YHVP12	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
359	FORUM ASIAN REALTY INCOME, L.P.	Cayman Islands	Cayman Islands, Cayman Islands		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	97%
360	FORUM EUROPEAN REALTY INCOME II, L.P.	Cayman Islands	Cayman Islands, Cayman Islands		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	29%
361	FORUM EUROPEAN REALTY INCOME, L.P.	Cayman Islands	Cayman Islands, Cayman Islands		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	99%
362	Frontier Fund IV, LP	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
363	GAP II NZ GP Limited	New Zealand (other)	Napa, CA, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
364	GenNx360 Capital Partners II, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
365	Gerding Edlen Green Cities I (Parallel), L.P.	DE	Portland, OR, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
366	Giralda Whippany & JFK LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Tri-State Prime Property Venture LLC	100%
367	Glenlake Club I, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners IV, L.P.	100%
368	Global AG AIV (CN) GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
369	Global AG II AIV GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
370	Global AG II FFI LLC	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	TIAA-CREF Global Agriculture II LLC	100%
371	Global AG II US Corp.	DE	Charlotte, NC, U.S.A.			Global Agriculture II AIV, LP	100%
372	Global AG Properties Australia Pty, Ltd	Australia	Victoria, Australia			TIAA-CREF Global Agriculture LLC	100%
373	Global Ag Properties Australia Trust	Australia	Victoria, Australia			TIAA-CREF Global Agriculture LLC	100%
374	Global Ag Properties II Australia Pty, Ltd.	Australia	Victoria, Australia		General Partner / Managing Member	TIAA-CREF Global Agriculture II LLC	100%
375	Global Ag Properties II Australia Trust	Australia	Victoria, Australia			TIAA-CREF Global Agriculture II LLC	100%
376	Global AG Properties II New Zealand Limited Partnership	New Zealand (other)	Auckland, New Zealand (other)		General Partner / Managing Member	TIAA-CREF Global Agriculture II LLC	100%
377	Global AG Properties II USA LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Global Agriculture II AIV (US) LLC	25%
378	Global AG Propaigs II USA LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Global AG II US Corp.	75%
379	Global AG Properties USA LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Global Agriculture AIV (US) LLC	42%
380	Global AG Properties USA LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Global AG US Corp.	57%
381	Global AG US Corp.	DE	Charlotte, NC, U.S.A.			Global Agriculture AIV LLC	56%
382	Global AG US Corp.	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	Global Agriculture AIV (CN), LP	43%
383	Global Agriculture AIV (CN), LP	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	Global AG AIV (CN) GP LLC	0%
384	Global Agriculture AIV (US) LLC	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	TIAA Global Ag Holdco LLC	98%
385	Global Agriculture AIV LLC	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	TIAA Global Ag Special Member LLC	0%
386	Global Agriculture II AIV (US) LLC	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	TIAA Global Ag Holdco LLC	100%
387	Global Agriculture II AIV, LP	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	Global AG II AIV GP LLC	0%
388	Global Agriculture II Investor Fund, LP	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	TCGA II Investor Fund GP LLC	0%
389	Global Investors GP II, L.L.C.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	TH Property Holdings, L.L.C.	100%
390	Global Investors GP IV, L.L.C.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	TH Property Holdings, L.L.C.	100%
391	Global Investors GP, L.L.C.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	TH Property Holdings, L.L.C.	100%
392	Global Timber International, LLC	DE	Portland, OR, U.S.A.		Limited Partner / Non-Managing Member	Global Timber Resources LLC	100%
393	Global Timber NL, B.V.	Netherlands	Amsterdam, Netherlands		General Partner / Managing Member	GT Europe Cooperatief U.A.	100%
394	Global Timber Resources Investor Fund, LP	DE	Portland, OR, U.S.A.		General Partner / Managing Member	GTR Investor Fund GP LLC	100%
395	Global Timber Resources LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	TIAA GTR Holdco LLC	50%
396	Global Timber SA LLC	DE	Portland, OR, U.S.A.		Limited Partner / Non-Managing Member	Global Timber Resources LLC	100%
397	Global Timber Spain S.L.	Spain	Madrid, Spain		Limited Partner / Non-Managing Member	Global Timber International, LLC	100%
398	Graham Partners IV, L.P.	DE	Newtown Square, PA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
399	Grand Canal Shoppes Holdings, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Las Vegas Retail Investor LLC	49%
400	Great Western Petroleum, LLC	DE	New York, NY, U.S.A.	549300S11E2L0GH4T34	Limited Partner / Non-Managing Member	Actoil Colorado, LLC	49%
401	GreenWood Resources Beijing Forestry Co.	China, Peoples Republic of			General Partner / Managing Member	GreenWood Resources China Ltd. (HK)	100%
402	Greenwood Resources Brasil, Ltda.	Brazil	Sao Paulo, Brazil		General Partner / Managing Member	GreenWood Resources, Inc.	1%
403	Greenwood Resources Brasil, Ltda.	Brazil	Sao Paulo, Brazil		General Partner / Managing Member	GWR Property Management International, LLC	99%
404	GreenWood Resources Capital Management, LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	GreenWood Resources, Inc.	100%
405	GreenWood Resources Chile SpA	Chile	Los Angeles, Chile		General Partner / Managing Member	GWR SA Ltd (BVI)	100%
406	GreenWood Resources China Ltd. (HK)	Hong Kong	Hong Kong, Hong Kong		General Partner / Managing Member	GWR China Ltd. (BVI)	100%
407	GreenWood Resources Poland sp z o.o.	Poland	Kwidzyn, Poland		General Partner / Managing Member	GWR Europe Ltd (UK)	100%
408	GreenWood Resources, Inc.	DE	Portland, OR, U.S.A.		General Partner / Managing Member	Beaver Investment Holdings LLC	80%
409	GreenWood Tree Farm Fund, LP	DE	Portland, OR, U.S.A.		Limited Partner / Non-Managing Member	GWR-GTFF Investment, LLC	NR
410	GreenWood Tree Farm Fund, LP	DE	Portland, OR, U.S.A.		General Partner / Managing Member	GTFF GP, LLC	0%
411	Gresham Asset Management LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	64%
412	Gresham CMS Fund, L.L.C.	DE			General Partner / Managing Member	Gresham Investment Management LLC	1%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
413	Gresham CMS Fund, L.L.C.	DE	..		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	99%
414	Gresham Investment Management Asia Pte. Ltd.	Singapore	Singapore, Singapore		Limited Partner / Non-Managing Member	Gresham Investment Management LLC	100%
415	Gresham Investment Management LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	64%
416	GRG Holdings, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
417	Gridiron Capital Fund II, L.P.	DE	New Canaan, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
418	Gridiron Capital Fund, LP	DE	New Canaan, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
419	Gropius KG	Germany	Essen, Germany		General Partner / Managing Member	Gropius S.a.r.l.	99%
420	Gropius KG	Germany	Essen, Germany		General Partner / Managing Member	TIAA Lux 11 S.a.r.l.	1%
421	Gropius Passagen Verwaltungen GmbH	Germany	Essen, Germany		General Partner / Managing Member	TIAA Lux 11 S.a.r.l.	80%
422	Gropius S.a.r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	TIAA Lux 11 S.a.r.l.	80%
423	Growth Capital Fund I, L.P.	DE	Minneapolis, MN, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	94%
424	Growth Capital GP I, LLC	DE	Minneapolis, MN, U.S.A.		General Partner / Managing Member	Winslow Capital Management, LLC	0%
425	Growth Catalyst Partners LLC	Mauritius	San Mateo, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
426	GRP III, LP	DE	Los Angeles, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
427	Gryphon Partners IV, L.P.	DE	San Francisco, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
428	GT Europe Cooperatief U.A.	Netherlands	Amsterdam, Netherlands		Limited Partner / Non-Managing Member	Global Timber International, LLC	99%
429	GT Europe Cooperatief U.A.	Netherlands	Amsterdam, Netherlands		General Partner / Managing Member	Global Timber Resources LLC	1%
430	GTEFF GP, LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	GreenWood Resources, Inc.	100%
431	GTEFF Mill Corp.	DE	Portland, OR, U.S.A.			GreenWood Tree Farm Fund, LP	100%
432	GTI 8 Taxable Investors Company, Ltd.	Cayman Islands	West Lebanon, NH, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	97%
433	GTI 9 Taxable Investors Company, Ltd.	Cayman Islands	West Lebanon, NH, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	86%
434	GTR Brasil Participacoes Ltda	Brazil	Sao Paulo, Brazil		General Partner / Managing Member	Global Timber NL, B.V.	100%
435	GTR Investor Fund GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
436	GTR Special Member Holdco LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	TIAA-CREF Asset Management LLC	100%
437	GWR China Ltd. (BVI)	British Virgin Islands	of		General Partner / Managing Member	GWR International Ltd.	100%
438	GWR Europe Ltd (UK)	United Kingdom (other)	London, England		General Partner / Managing Member	GWR International Ltd.	100%
439	GWR International Ltd.	British Virgin Islands	Virgin Islands		General Partner / Managing Member	GreenWood Resources, Inc.	100%
440	GWR Property Management International, LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	GreenWood Resources, Inc.	100%
441	GWR SA Ltd (BVI)	British Virgin Islands	Virgin Islands		General Partner / Managing Member	GWR International Ltd.	100%
442	GWR-GTEFF Investment, LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	GreenWood Resources, Inc.	100%
443	H.I.G. Capital Partners II, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
444	Harvest Partners IV, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
445	Harvest Partners Structured Capital Fund I	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	26%
446	Harvest Partners V, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
447	Hassett Lane Vineyard, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Winegrowers, LLC	100%
448	Heartwood Forestland Fund VII	NC	Belmont, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
449	Heartwood Forestland REIT, LLC	NC	Belmont, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
450	HEDF Co-Investment L.P.	DE	Rome, Italy (Other)		Limited Partner / Non-Managing Member	ND Properties, Inc.	NR
451	Helios Brasil Participacoes, Ltda	Brazil	Sao Paulo, Brazil		General Partner / Managing Member	TIAA-CREF Global Agriculture II LLC	99%
452	Henderson Asia Pacific Indirect Property Fund Management	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	TH RE AIFM Group Limited	100%
453	Henderson Beteiligung Verwaltungen GmbH	Germany	, Germany		General Partner / Managing Member	TH RE Group Holdings Limited	100%
454	Henderson CLOF II (GP) Limited	Scotland	London, England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
455	Henderson CLOF II (No 1 GP) Limited	United Kingdom (other)	London, England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
456	Henderson CLOF II (No 2 GP) Limited	United Kingdom (other)	London, England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
457	Henderson CLOF II (No 3 GP) Limited	United Kingdom (other)	London, England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
458	Henderson CLOF II Partnership LP	Scotland	London, England		General Partner / Managing Member	Henderson CLOF II (GP) Limited	0%
459	Henderson European Retail Property Fund	Luxembourg	London, England		General Partner / Managing Member	Henderson European Retail Property Fund Management S.a.r.l.	0%
460	Henderson European Retail Property Fund Management	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	TH RE AIFM Group Limited	94%
461	Henderson Funds Management (Jersey) Limited	Jersey	, Jersey		General Partner / Managing Member	TH RE AIFM Group Limited	100%
462	Henderson Funds Management Vanquish (Jersey) Limited	Jersey	St Helier, Jersey		General Partner / Managing Member	Henderson Funds Management (Jersey) Limited	100%
463	Henderson Funds Management Vanquish II (Jersey) Limited	Jersey	St Helier, Jersey		General Partner / Managing Member	Henderson Funds Management (Jersey) Limited	100%
464	Henderson Global Investors Immobilien Austria GmbH	Austria	, Austria		General Partner / Managing Member	TH RE Group Holdings Limited	65%
465	Henderson Indirect Property Fund (Europe) Management	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	TH RE AIFM Group Limited	100%
466	Henderson International Property Investment Company S	France (Other)	London, England		General Partner / Managing Member	Henderson OMP (GP) Limited	0%
467	Henderson Joint Ventures Property Funds Management S	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	TH RE Group Holdings Limited	100%
468	Henderson Matorador LP General Partner Limited	Scotland	London, England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
469	Henderson OMP (GP) Limited	Scotland	London, England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
470	Henderson Property Management (Jersey) Limited	Jersey	St Helier, Jersey		General Partner / Managing Member	TH RE AIFM Group Limited	100%
471	Henderson Property Management Company (Lux) No 1 S	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	TH RE AIFM Group Limited	94%
472	Henderson Property UK AIFM Limited	United Kingdom (other)	London, England		General Partner / Managing Member	TH RE AIFM Group Limited	100%
473	Henderson Real Estate Asset Management Limited	United Kingdom (other)	London, England	5493001RSCVZEGUGH039	General Partner / Managing Member	TH RE FCACO Limited	100%
474	Henderson Real Estate Singapore Private Limited	Singapore	Singapore, Singapore		General Partner / Managing Member	TH RE Group Holdings Limited	100%
475	Henderson Shopping Center Verwaltungen GmbH	Germany	, Germany		General Partner / Managing Member	Henderson Real Estate Asset Management Limited	100%
476	Henderson UK OM (LP1) (GP) Limited	United Kingdom (other)	London, England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
477	Henderson UK OM (LP1) Limited	United Kingdom (other)	London, England		General Partner / Managing Member	Henderson UK OM (LP1) (GP) Limited	100%
478	Henderson UK OM (LP2) (GP) Limited	United Kingdom (other)	London, England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
479	Henderson UK OM (LP2) Limited	United Kingdom (other)	London, England		General Partner / Managing Member	Henderson UK OM (LP2) (GP) Limited	100%
480	Henderson UK OM (LP3) (GP) Limited	United Kingdom (other)	London, England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
481	Henderson UK OM (LP3) Limited	United Kingdom (other)	London, England		General Partner / Managing Member	Henderson UK OM (LP3) (GP) Limited	100%
482	Henderson UK Outlet Mall Partnership LP	Scotland	London, England		General Partner / Managing Member	Henderson OMP (GP) Limited	0%

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483	Henderson UK Property Investment LP	Scotland	London, , England		General Partner / Managing Member	Henderson OMP (GP) Limited	0%
484	HGI Immobilien GmbH	Germany	Frankfurt, , Germany		Limited Partner / Non-Managing Member	TH RE Group Holdings Limited	50%
485	HINES EUROPEAN DEVELOPMENT FUND II, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
486	HINES EUROPEAN DEVELOPMENT FUND, L.P.	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
487	HINES INDIA FUND LP	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
488	Hobson Avenue Vineyard, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
489	Horizon Roads PTY LTD	Australia	Sydney, , Australia		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
490	HP V AIV-2, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
491	HP V AIV-3, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
492	HP V AIV-4, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
493	HPPF-GLB Fund II, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	NA Property Fund Holdings, L.L.C.	75%
494	HV Freehold S.à r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	HV Properties S.à r.l.	100%
495	HV Properties S.à r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	Cityhold UK Holding S.à r.l.	100%
496	I 595 Express, LLC	DE	New York, NY, U.S.A.	RMV6YKH6DXAUG7Y0DK02	Limited Partner / Non-Managing Member	I 595 Toll Road, LLC	50%
497	I 595 Toll Road, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Infrastructure Investments, LLC	100%
498	IAI Australia Fund II Pty, Ltd	Australia	Victoria, , Australia			International Agricultural Investors Fund II, LLC	100%
499	IAI Australia Fund II Trust	Australia	Victoria, , Australia			International Agricultural Investors Fund II, LLC	100%
500	IAI Australia Pty, Ltd	Australia	Victoria, , Australia		General Partner / Managing Member	International Agricultural Investors, LLC	100%
501	IAI Australia Trust	Australia	Victoria, , Australia			International Agricultural Investors, LLC	100%
502	IAI USA Fund II, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	International Agricultural Investors Fund II, LLC	100%
503	IAI USA, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	International Agricultural Investors, LLC	100%
504	ICV Partners III, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
505	ICV SCDL Co-Investment Holdings LLC	DE	New York, New York, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
506	IFHA-II Cooperatief U.A.	Netherlands	Amsterdam, , Netherlands		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
507	Impact C.I.L Parent, LLC	DE	San Francisco, CA, U.S.A.	549300XFQMNU2WJFYJ56	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
508	Impact Community Capital LLC	DE	San Francisco, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
509	Impact PCCP IV LLC	CA	San Francisco, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	57%
510	Inception GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
511	Inception Partners III, LP	DE	New York, NY, U.S.A.		General Partner / Managing Member	Inception GP LLC	0%
512	Inception Partners III, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	49%
513	Inception Partners IV, LP	DE	New York, NY, U.S.A.		General Partner / Managing Member	Inception GP LLC	0%
514	Inception Partners IV, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	49%
515	Inception Partners V, LP	DE	New York, NY, U.S.A.		General Partner / Managing Member	Inception GP LLC	0%
516	Inception Partners V, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	49%
517	Industrial Growth Partners II, L.P.	DE	San Francisco, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
518	Industrial Growth Partners III, LP	DE	San Francisco, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
519	Industrial Growth Partners IV, L.P.	DE	San Francisco, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
520	Infra Alpha LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
521	ING Furman Selz Investors III, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
522	Innesbrook Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V Holdings, L.L.C.	100%
523	Insignia Capital Partners, LP	DE	Walnut Creek, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	26%
524	Insignia Truco Holdings LLC	DE	Walnut Creek, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
525	International Agricultural Investors Fund II, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Ceres Agricultural Properties, LLC	99%
526	International Agricultural Investors, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Ceres Agricultural Properties, LLC	99%
527	International Agricultural Management, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Westchester Group Investment Management, Inc.	50%
528	Ipopema 95 Fundusz Inwestycyjny Zamknięty Aktywów N	Poland	, , Poland		Limited Partner / Non-Managing Member	Global Timber NL, B.V.	100%
529	IPS Holdings, LLC	DE	Greenwood Village, CO, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
530	Iridium Nouvelle Autoroute 30 Inc.	Canada	Montreal, Quebec, Canada			ACS NA30 Holding Inc.	100%
531	Iris Brasil Participaco Ltda	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Helios Brasil Participacoes, Ltda	99%
532	IRUS Lubon Sp. z o.o.	Poland	Lubon, , Poland		General Partner / Managing Member	Neptune Polish Property Venture BV	100%
533	IRUS Vicolungo II S.r.l.	Italy (Other)	Vicolungo, , Italy (Other)		General Partner / Managing Member	Neptune Vicolungo S.r.l.	100%
534	IRUS Vicolungo III S.r.l.	Italy (Other)	Vicolungo, , Italy (Other)		General Partner / Managing Member	Neptune Vicolungo S.r.l.	100%
535	IRUS Vicolungo S.r.l.	Italy (Other)	Vicolungo, , Italy (Other)		General Partner / Managing Member	Neptune Vicolungo S.r.l.	100%
536	Islazul General Partner S.à r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	TH RE Group Holdings Limited	100%
537	Itauba Propriedades Agrícolas LTDA	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Janus Brasil Participacoes, S.A.	100%
538	Janus Brasil Participacoes, S.A.	Brazil	Sao Paulo, , Brazil			Radar Propriedades Agrícolas SA	NR
539	Janus Brasil Participacoes, S.A.	Brazil	Sao Paulo, , Brazil			Iris Brasil Participaco Ltda	48%
540	Janus Brasil Participacoes, S.A.	Brazil	Sao Paulo, , Brazil			Helios Brasil Participacoes, Ltda	1%
541	Jatobá Propriedades Agrícolas Ltda.	Brazil	Sao Paulo, , Brazil			Tellus Brasil Participações S.A.	99%
542	Jatoba S. A.	Brazil	Sao Paulo, , Brazil			Janus Brasil Participacoes, S.A.	100%
543	Jefferies Capital Partners IV LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
544	Jequitibá Propriedades Agrícolas Ltda	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Janus Brasil Participacoes, S.A.	100%
545	JWL Properties, Inc.	DE	New York, NY, U.S.A.			485 Properties, LLC	100%
546	Kaspick & Company, LLC	DE	Redwood City, CA, U.S.A.		General Partner / Managing Member	TIAA-CREF Redwood, LLC	100%
547	Kendrick Laney, LLC	DE	Boston, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	34%
548	Kohlberg Investors VII, L.P.	Cayman Islands	Mount Kisco, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
549	KS Freehold S.à r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	Cityhold Sterling S.à r.l.	100%
550	KS Leasehold S.à r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	Cityhold Sterling S.à r.l.	100%
551	L&C Log Co, LLC	DE	Portland, OR, U.S.A.		Limited Partner / Non-Managing Member	Lewis & Clark Timberlands, LLC	100%
552	L&C Special Member Holdco, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Asset Management LLC	100%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
553	L&C Tree Farms, LLC	DE	Portland, OR, U.S.A.		Limited Partner / Non-Managing Member	Lewis & Clark Timberlands, LLC	100%
554	L&C TRS LLC	DE	Portland, OR, U.S.A.		Limited Partner / Non-Managing Member	L&C Tree Farms, LLC	100%
555	LAF Holdings, LLC	DE	Marina del Rey, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
556	Laney Directional Drilling (Texas), LLC	TX	Spring, TX, U.S.A.		General Partner / Managing Member	Laney Directional Drilling Co.	100%
557	Laney Directional Drilling Co.	TX	Spring, TX, U.S.A.			LDD Acquisition Corp	100%
558	Laney Directional Drilling do Brasil Perfuracoes LTDA	Brazil	Sao Paulo, , Brazil			Laney Directional Drilling Co.	100%
559	Las Colinas Investment Properties Limited Partnership	DE	Chicago, IL, U.S.A.		Limited Partner / Non-Managing Member	T-Investment Properties Corp.	82%
560	LDD Acquisition Corp	DE	Boston, MA, U.S.A.			LDD Holdings, LLC	100%
561	LDD Holdings, LLC	DE	Boston, MA, U.S.A.		Limited Partner / Non-Managing Member	Kendrick Laney, LLC	66%
562	LeapFrog Financial Inclusion Fund	Mauritius	Port Louis, , Mauritius		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
563	LeapFrog Financial Inclusion Fund II, LP	Mauritius	Port Louis, , Mauritius		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
564	Legacy Place Associates LLC	DE	Chestnut Hill, MA, U.S.A.		Limited Partner / Non-Managing Member	T-C Legacy Place Member LLC	50%
565	Legacy Place, LLC	MA	Dedham, MA, U.S.A.		General Partner / Managing Member	Legacy Place Associates LLC	100%
566	Lend Lease Jem Partners LTD	Bermuda	Singapore, , Singapore		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
567	Lewis & Clark Timberlands, LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	75%
568	Liberty M & R SPV II, LP	DE	, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	100%
569	Lime Rock Partners III, L.P.	Cayman Islands	Westport, CT, U.S.A.	549300N43P5M1THP6049	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
570	Lime Rock Partners IV, L.P.	Cayman Islands	Westport, CT, U.S.A.	549300R27AK35LBNXN41	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
571	Lime Rock Partners V, L.P.	Cayman Islands	Westport, CT, U.S.A.	549300BGFCWGRVGBH90	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
572	Littlejohn Fund II, L.P.	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
573	Littlejohn Fund III, L.P.	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
574	Littlejohn Partners IV, L.P.	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
575	LNK Partners II, L.P.	DE	White Plains, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
576	LNK Partners, LP	DE	White Plains, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
577	Loma del Rio Vineyards LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Premiere Agricultural Properties, LLC	45%
578	Loma del Rio Vineyards LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Global AG Properties USA LLC	55%
579	Loma Verde, LLC	DE	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
580	London Belgrave Unit Trust	Jersey	St. Helier, , Jersey			Cityhold UK Holding S.à r.l.	99%
581	Lower Columbia Tree Farm, LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	GreenWood Tree Farm Fund, LP	100%
582	Madison Dell Ranch Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Grande Investments I, LLC	100%
583	Main Post Growth Capital, L.P.	DE	San Francisco, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
584	Mandala AG SPV	Mauritius	, India (Other)		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
585	Mandala Agribusiness Fund	Mauritius	, India (Other)		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	33%
586	Mandala FF SPV	Mauritius	EBENE, , Mauritius		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
587	Mandala Food Co-Investment Holdings II SPV	Mauritius	Mauritius		Limited Partner / Non-Managing Member	Occator Agricultural Properties, LLC	100%
588	Mandala Food Fund II	Mauritius	EBENE, , Mauritius		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	28%
589	Mandala Jain Family Co-Investment Limited	Mauritius	Mauritius		Limited Partner / Non-Managing Member	Mandala Food Co-Investment Holdings II SPV	NR
590	Mandala Jain Food Co-Investment Limited	Mauritius	Mauritius		Limited Partner / Non-Managing Member	Mandala Food Co-Investment Holdings II SPV	NR
591	Mandala Jain Irrigation Co-Investment Limited	Mauritius	Mauritius		Limited Partner / Non-Managing Member	Mandala Food Co-Investment Holdings II SPV	NR
592	Mansilla Participacoes Ltda	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Demeter Agricultural Properties, LLC	1%
593	Mansilla Participacoes Ltda	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	99%
594	Mansion Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners IV, L.P.	100%
595	Marsino Vineyard, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
596	Materra, LLC	CA	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Occator Agricultural Properties, LLC	47%
597	McCommas Bluff Holdings LLC	DE	El Segundo, CA, U.S.A.		General Partner / Managing Member	North American Sustainable Energy Fund, L.P.	36%
598	MDCP Co-Investors (Vartal), L.P.	DE	Chicago, IL, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
599	MDCP Co-Investors Windy, L.P.	DE	Chicago, IL, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
600	MDCP US Co-Investors (Umbrella), L.P.	DE	Chicago, IL, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
601	Melville Service Road & Lindbergh LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Tri-State Prime Property Venture LLC	100%
602	Mercato Partners Growth III, L.P.	DE	Salt Lake City, UT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
603	Merrill Lynch Global Emerging Markets Partners, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
604	Merseylink (Finance) Limited	United Kingdom (other)	Widnes Cheshire, , England			Merseylink (Holdings) Limited	100%
605	Merseylink (Holdings) Limited	United Kingdom (other)	Widnes Cheshire, , England			Wigg Investments Limited	37%
606	Merseylink (Issuer) plc	United Kingdom (other)	Widnes Cheshire, , England			Merseylink (Finance) Limited	100%
607	Merseylink Limited	United Kingdom (other)	Widnes Cheshire, , England	213800AE884734MYOT40		Merseylink (Finance) Limited	100%
608	MES Partners, Inc.	TX	Dallas, TX, U.S.A.			Teachers Insurance and Annuity Association of America	NR
609	Metro Centre Office Park, L.L.C.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	NA Property Fund Holdings, L.L.C.	100%
610	Metropolitan Workforce Housing Fund LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
611	Mill Co-Investment Holdings, L.P.	Cayman Islands	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
612	ML Casa II Management, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners II, L.P.	100%
613	ML Casa II, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	ML Casa II Management, LLC	1%
614	ML Casa II, L.P.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners II, L.P.	99%
615	ML Casa III Management, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners III, L.P.	100%
616	ML Casa III, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	ML Casa III Management, LLC	1%
617	ML Casa III, L.P.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners III, L.P.	99%
618	ML Casa IV Management, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners IV, L.P.	100%
619	ML Casa IV, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	ML Casa IV Management, LLC	1%
620	ML Casa IV, L.P.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners IV, L.P.	99%
621	ML Casa V Management, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V Holdings, L.L.C.	100%
622	ML Casa V, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	ML Casa V Management, LLC	0%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
623	ML Casa V, L.P.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V Holdings, L.L.C.	100%
624	ML Casa VI Management, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VI Holdings, LLC	100%
625	ML Casa VI, LP	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners VI Holdings, LLC	100%
626	ML CASA VII Management, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VII Holdings, LLC	100%
627	ML CASA VII, LP	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners VII Holdings, LLC	99%
628	ML CASA VII, LP	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	ML CASA VII Management, LLC	1%
629	MLVI Boca Vista Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	ML Casa VI, LP	100%
630	MLVI Martha's Vineyard Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	ML Casa VI, LP	100%
631	MLVI Park Lake Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	ML Casa VI, LP	100%
632	MLVI Paseo Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	ML Casa VI, LP	100%
633	MLVI Pointe At Crabtree Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	ML Casa VI, LP	100%
634	MLVI Symphony Place Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	ML Casa VI, LP	100%
635	MM Funding, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
636	Mobile Technologies (Equity Co-Invest)	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
637	Montague Pierrepoint Partners LLC	DE	Brooklyn, NY, U.S.A.		Limited Partner / Non-Managing Member	RCD TGA Pierrepoint Partners LLC	48%
638	Monterrey Forestal GWR S.A.S.	Colombia	Bogota, , Colombia			GreenWood Resources, Inc.	80%
639	Montgomery Mall of Maryland, LLC	MD	Los Angeles, CA, U.S.A.		Limited Partner / Non-Managing Member	T-C Montgomery Mall LLC	50%
640	Morgan Stanley Global Emerging Markets Private Investm	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
641	Mosaic Capital Investors I, LP	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
642	MP FRG Co-Investors 2014 LLC	DE	Boston, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	30%
643	MP Owner, LLC	DE	Brooklyn, NY, U.S.A.		General Partner / Managing Member	Montague Pierrepoint Partners LLC	100%
644	MSX International, Inc.	DE	Warren, MI, U.S.A.	549300WSNU6NEU834991	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
645	Municipal Cash Portfolio LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Asset Management, LLC	0%
646	MyVest Advisors Corporation	DE	San Francisco, CA, U.S.A.		Not reportable interest	MyVest Corporation	100%
647	MyVest Corporation	DE	San Francisco, CA, U.S.A.		Not reportable interest	Teachers Insurance and Annuity Association of America	100%
648	NA Property Fund Holdings, L.L.C.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	North American Property Fund, L.P.	100%
649	Nautic Partners VII, L.P.	DE	Providence, RI, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
650	ND Europe Office Holding S.à r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	ND Europe S.a.r.l.	100%
651	ND Europe S.a.r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	ND Properties, Inc.	100%
652	ND Properties, Inc.	DE	New York, NY, U.S.A.	549300SH3CXR68EM3G92		Teachers Insurance and Annuity Association of America	100%
653	NE Agricola LTDA	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Janus Brasil Participacoes, S.A.	100%
654	Neptune Anнопol Sp. z o.o.	Poland	Warsaw, , Poland	2138008E469PGX7HDU28	General Partner / Managing Member	Neptune Polish Property Venture BV	100%
655	Neptune Getafe Outlet S.L.	Spain	Madrid, , Spain		General Partner / Managing Member	Neptune Madrid Holdco S.L.	100%
656	Neptune Getafe Propco S.L.	Spain	Madrid, , Spain		General Partner / Managing Member	Neptune Getafe Outlet S.L.	100%
657	Neptune Holding Spain, S.L.	Spain	Madrid, , Spain		General Partner / Managing Member	Neptune Property Venture S.à r.l.	100%
658	Neptune Krakow Sp. z o.o.	Poland	Warsaw, , Poland		General Partner / Managing Member	Neptune Polish Property Venture BV	100%
659	Neptune Las Rozas Outlet S.L.	Spain	Madrid, , Spain		General Partner / Managing Member	Neptune Madrid Holdco S.L.	100%
660	Neptune Madrid Holdco S.L.	Spain	Madrid, , Spain		General Partner / Managing Member	Neptune Property Venture S.à r.l.	100%
661	Neptune Nassica S.L.	Spain	Madrid, , Spain		General Partner / Managing Member	Neptune Madrid Holdco S.L.	100%
662	Neptune OPCI	France (Other)	Roppenheim, , France (Other)		General Partner / Managing Member	Neptune Property Venture S.à r.l.	100%
663	Neptune Polish Property Venture BV	Netherlands	Amsterdam, , Netherlands		General Partner / Managing Member	Neptune Property Venture S.à r.l.	100%
664	Neptune Property Venture S.à r.l.	Luxembourg	Luxembourg, , Luxembourg		Limited Partner / Non-Managing Member	T-C Neptune Holdings S.à r.l.	61%
665	Neptune Roppenheim Holding S.à r.l	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	Neptune Property Venture S.à r.l.	100%
666	Neptune San Sebastian Outlet S.L.	Spain	Madrid, , Spain		General Partner / Managing Member	Neptune Madrid Holdco S.L.	100%
667	Neptune Vicolungo S.r.l.	Italy (Other)	Vicolungo, , Italy (Other)		General Partner / Managing Member	Neptune Property Venture S.à r.l.	100%
668	Nevis Getafe S.L.	Spain	Madrid, , Spain		General Partner / Managing Member	Neptune Nassica S.L.	100%
669	New Fetter Lane Unit Trust	Jersey	St. Helier, , Jersey			Cityhold UK Investment S.à r.l.	NR
670	New Fetter Lane Unit Trust	Jersey	St. Helier, , Jersey			Cityhold UK Holding S.à r.l.	99%
671	NexPhase Capital Fund III, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
672	NGC-Pilot Investments, LLC	DE	Southlake, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	48%
673	NGP IX Oklahoma Investment Holdings, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA Oil and Gas Investments, LLC	25%
674	Nightingale LuxCo S.à r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	T-C Europe S.à r.l.	100%
675	NM ABB Concise Holding, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
676	Norte Shopping Retail & Leisure B.V.	Netherlands	Maia, , Portugal		Limited Partner / Non-Managing Member	ND Properties, Inc.	50%
677	Norteshopping Centro Comercial S.A. Portuguese SA	Portugal	Maia, , Portugal			Norte Shopping Retail & Leisure B.V.	100%
678	North American Property Fund, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Global Investors GP IV, L.L.C.	1%
679	North American Sustainable Energy Fund, L.P.	DE	El Segundo, CA, U.S.A.		Limited Partner / Non-Managing Member	TIAA Infrastructure Investments, LLC	99%
680	North American Sustainable Energy GP, LLC	DE	El Segundo, CA, U.S.A.		General Partner / Managing Member	TIAA Infrastructure Investments, LLC	0%
681	North American Sustainable Energy Manager, LLC	DE	El Segundo, CA, U.S.A.		Limited Partner / Non-Managing Member	TIAA Infrastructure Investments, LLC	0%
682	North Castle Partners III, L.P.	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
683	North Coast Minerals, LLC	DE	Cleveland, OH, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
684	Northwest Louisiana Community Development Fund I, LL	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	32%
685	Nouvelle Autoroute 30, s.e.n.c.	Canada	Montreal, Quebec, Canada		General Partner / Managing Member	Iridium Nouvelle Autoroute 30 Inc.	50%
686	Nova Agricola Ponte Alta S.A.	Brazil	Sao Paulo, , Brazil			Radar Propriedades Agricolas SA	100%
687	Nova Amaralina S.A. Propriedades Agricolas	Brazil	Sao Paulo, , Brazil			Radar Propriedades Agricolas SA	100%
688	Nova Gaia Brasil Participaco Ltda.	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	TIAA-CREF Global Agriculture LLC	99%
689	Nova Gaia Brasil Participaco Ltda.	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	TIAA-CREF Global Agriculture BR, LLC	1%
690	Nova Ibijara Propriedades Agricolas S.A.	Brazil	Sao Paulo, , Brazil			Tellus Brasil Participações S.A.	99%
691	Nova Santa Barbara Agricola S.A.	Brazil	Sao Paulo, , Brazil			Radar Propriedades Agricolas SA	100%
692	Nova Star Oil and Gas Inc.	Canada	Calgary, Alberta, Canada			Polar Star Canadian Oil and Gas Holding, Inc.	100%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
693	NRFC Inception II, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	49%
694	NRFC Inception, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	49%
695	NSC Holdings, L.P.	Canada	Toronto, , Canada		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
696	Nuveen Asset Management, LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Fund Advisors, LLC	100%
697	Nuveen Commodities Asset Management, LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	100%
698	Nuveen Diversified Commodity Fund	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Commodities Asset Management, LLC	1%
699	TIAA Asset Management Finance Company, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Nuveen, LLC	100%
700	Nuveen Fund Advisors, LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	100%
701	Nuveen Global Investments Holdings, LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	100%
702	Nuveen Global Investments Ltd	United Kingdom (other)	London, , England		Limited Partner / Non-Managing Member	Nuveen Global Investments Holdings, LLC	100%
703	Nuveen Global Investors Funds PLC	Ireland	London, , England		General Partner / Managing Member	Nuveen Global Investments Holdings, LLC	0%
704	Nuveen Holdings 1, Inc.	DE	New York, NY, U.S.A.			Nuveen Finance, LLC	100%
705	Nuveen Holdings, Inc.	DE	Chicago, IL, U.S.A.			Nuveen Finance, LLC	100%
706	Nuveen Investments Advisers, LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	100%
707	Nuveen Investments Canada Co.	Canada	Montreal, Quebec, Canada		Limited Partner / Non-Managing Member	Nuveen Investments Holdings, Inc.	100%
708	Nuveen Investments Holdings, Inc.	DE	Chicago, IL, U.S.A.			Nuveen Investments, Inc.	100%
709	Nuveen Investments, Inc.	DE	Chicago, IL, U.S.A.	GXD89W4U4TMNFJGWF050		Nuveen Holdings, Inc.	100%
710	Nuveen Long/Short Commodity Total Return Fund	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Commodities Asset Management, LLC	0%
711	Nuveen NWQ Holdings, LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	100%
712	Nuveen Securities, LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	100%
713	TGAM Services, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Nuveen, LLC	100%
714	Nuveen Tradewinds Holdings, LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	100%
715	Nuveen WCM Holdings, LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	100%
716	TIAA Global Asset Management LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
717	NWQ Investment Management Company, LLC	DE	Los Angeles, CA, U.S.A.		General Partner / Managing Member	Nuveen NWQ Holdings, LLC	100%
718	NWQ Partners, LLC	DE	Chicago, IL, U.S.A.		General Partner / Managing Member	Nuveen NWQ Holdings, LLC	0%
719	NXT Capital Senior Loan Fund II, LP	Cayman Islands	Chicago, IL, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
720	Oak Knoll Napa Vineyards, LLC	CA	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Silverado Winegrowers, LLC	100%
721	Oakville 38 Vineyard, LLC	DE	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Global AG Properties II USA LLC	100%
722	Occator Agricultural Properties, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
723	OCM European Principal Opportunities Fund II, LP	Cayman Islands	Los Angeles, CA, U.S.A.	CBNZELGFOP6BLQURFY27	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
724	O'CONNOR NORTH AMERICA PROPERTY PARTNERS	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
725	Oleum Holding Company, Inc.	DE	New York, NY, U.S.A.			Teachers Insurance and Annuity Association of America	100%
726	Olympe (Holding)	France (Other)	Paris, , France (Other)		General Partner / Managing Member	Bruyeres I SAS	100%
727	Omni GP LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Tri-State Prime Property Venture LLC	100%
728	Omni LP LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Tri-State Prime Property Venture LLC	100%
729	Omni Partners I, L.P.	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Omni LP LLC	59%
730	Omni Partners I, L.P.	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Omni GP LLC	1%
731	Opal Foods LLC	DE	Neosho, MO, U.S.A.		Limited Partner / Non-Managing Member	AGR Agricultural Investments LLC	33%
732	OTG HP SCF Investor, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
733	Overlook At Woodholme Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VI Holdings, LLC	100%
734	Overture 7 Fund, L.P.	CA	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	1%
735	Overture 7 Fund, L.P.	CA	San Francisco, CA, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	13%
736	Owings Park Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V Holdings, L.L.C.	100%
737	P2 Capital Master Fund VII, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
738	Pacific Equity Partners Fund III, L.P.	DE	Sydney, , Australia		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
739	Pacific Equity Partners Supplementary Fund III, L.P.	DE	Sydney, , Australia		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
740	Paddington Central III Unit Trust	Jersey	St. Helier, , Jersey			KS Freehold S.à r.l.	99%
741	Pamlico Capital III, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
742	Pamlico W50 Holdings LLC	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
743	Park At City West Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V Holdings, L.L.C.	100%
744	Park At Winterset Apartments Funding, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V Holdings, L.L.C.	100%
745	Park At Winterset Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Park At Winterset Apartments Funding, LLC	100%
746	PCCP Credit VI, LP	DE	Los Angeles, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
747	Pegasus Partners V, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
748	Pelican Cove Apartment Homes, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners III, L.P.	100%
749	PennMuni-TIAA U.S. Real Estate Fund, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C SMA 2, LLC	20%
750	PEP-TH CASA Student Housing, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Student Housing Fund Holdings, LLC	90%
751	PHW Equity Investors, LP	DE	New Canaan, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
752	Pilot Holding, Inc.	DE	Southlake, TX, U.S.A.			Pilot Holding, LLC	100%
753	Pilot Holding, LLC	DE	Southlake, TX, U.S.A.		General Partner / Managing Member	NGC-Pilot Investments, LLC	52%
754	Pilot Inc.	CA	City of Industry, CA, U.S.A.			Pilot Holding, Inc.	100%
755	Pine Tree-SAU Retail Fund, L.L.C.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Special Account-U, L.P.	95%
756	Pinnacle IV, L.P.	DE	Menlo Park, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
757	Pinnacle Third Avenue, LP	DE	Menlo Park, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	100%
758	Pinnacle Ventures Debt Fund III	DE	Menlo Park, CA, U.S.A.		Limited Partner / Non-Managing Member	Pinnacle Third Avenue, LP	28%
759	Pinnacle Ventures Equity Fund II	DE	Menlo Park, CA, U.S.A.		Limited Partner / Non-Managing Member	Pinnacle Third Avenue, LP	NR
760	Pitango Venture Capital Fund III (USA), L.P.	DE	Waltham, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
761	Pitango Venture Capital Fund IV, L.P.	Cayman Islands	Waltham, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
762	Pitango Venture Capital Fund V, LP	Cayman Islands	Waltham, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
763	Plata Wine Partners, LLC	CA	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Westchester Group Investment Management, Inc.	45%
764	Platinum Equity Capital Boat Partners, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
765	Platinum Equity Capital Dharma Partners, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
766	Platinum Equity Capital Ferry Partners II, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
767	Platinum Equity Capital Finn Partners II, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
768	Platinum Equity Capital Jewel Partners, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
769	Platinum Equity Capital Laser Partners II, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
770	Platinum Equity Capital Lodging Partners, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
771	Platinum Equity Capital Partners II, LP	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
772	Platinum Equity Capital Partners International II (Cayman	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
773	Platinum Equity Capital Partners International II, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
774	Platinum Equity Capital Partners International, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
775	Platinum Equity Capital PSE Partners II, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
776	Platinum Equity Capital Sphere Partners, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
777	Platinum Equity Capital Travel Main Partners, L.P.	DE	Beverly Hills, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
778	Plexus Fund III, LP	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
779	Polar Star Canadian Oil and Gas Holding, Inc.	Canada	Alberta , Canada			Oleum Holding Company, Inc.	100%
780	Polar Star Canadian Oil and Gas, Inc.	Canada	Alberta , Canada			Polar Star Canadian Oil and Gas Holding, Inc.	100%
781	Prairie Point Complex, L.L.C.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	NA Property Fund Holdings, L.L.C.	100%
782	Premiere Agricultural Management International, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Westchester Group Investment Management, Inc.	86%
783	Premiere Agricultural Properties, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Ceres Agricultural Properties, LLC	100%
784	Premiere Columbia Properties, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Ceres Agricultural Properties, LLC	100%
785	Premiere Farm Properties, LLC	DE	Champaign, IL, U.S.A.		General Partner / Managing Member	Ceres Agricultural Properties, LLC	100%
786	Primary Residential Individual Mortgage Entity Trust	DE	New York, NY, U.S.A.		Not reportable interest	Teachers Insurance and Annuity Association of America	100%
787	Promcat Alternativa, S.L.	Spain	Madrid , Spain		General Partner / Managing Member	Neptune Holding Spain, S.L.	100%
788	Proud Participações S.A.	Brazil	Sao Paulo , Brazil			Radar II Propriedades Agrícolas S.A.	100%
789	Pszenrol SA	Poland	Pyrzyce , Poland		General Partner / Managing Member	Dangro Invest SA	100%
790	PWP Growth Equity Fund I, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
791	Quad-C Partners VIII LP	DE	Charlottesville, VA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
792	Quadria Capital Fund L.P.	Cayman Islands	Singapore , Singapore		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
793	Quebec Forestlands, Limited Partnership	NC	Belmont, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	30%
794	Quercus Algoma Corporation	Canada	Canada			Quercus Forestland Account, LLC	100%
795	Quercus Algoma Land Corporation	Canada	Canada			Quercus Algoma Corporation	100%
796	Quercus Forestland Account, LLC	NC	Chapel Hill, NC, U.S.A.		General Partner / Managing Member	Broadleaf Timberland Investments, LLC	99%
797	Quercus Panama LLC	DE	Chapel Hill, NC, U.S.A.		General Partner / Managing Member	Quercus Forestland Account, LLC	100%
798	Quercus West Virginia LLC	DE	Kanawha, WV, U.S.A.		General Partner / Managing Member	Quercus Forestland Account, LLC	99%
799	RABO FARM EUROPE FUND	Netherlands	Amsterdam , Netherlands		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	31%
800	Radar II Propriedades Agrícolas S.A.	Brazil	Sao Paulo , Brazil			Mansilla Participacoes Ltda	49%
801	Radar Propriedades Agrícolas SA	Brazil	Sao Paulo , Brazil			Mansilla Participacoes Ltda	49%
802	RCD TGA Pierrepoint Partners LLC	DE	Brooklyn, NY, U.S.A.		Limited Partner / Non-Managing Member	TGA Montague Investor Member LLC	51%
803	RCG Longview Debt Fund IV, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
804	Regency Dell Ranch Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Grande Investments I, LLC	100%
805	Reladyne (Equity Co-Invest)	DE	Boston, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
806	Renaissance Plaza Castle, LLC	MD	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	CASA III-Ross LLC	100%
807	Renewable Timber Europe, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
808	Renewable Timber Netherlands B.V.	Netherlands	Amsterdam , Netherlands		General Partner / Managing Member	Renewable Timber Europe, LLC	100%
809	Renewable Timber Resources LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
810	REP APA I-A, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
811	REP GBP I-A, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
812	REP HUC I-A, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
813	REP MM, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
814	REP MM4, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
815	REP SV I-A, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
816	REP TR, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
817	REP UEP I-A, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
818	REP UP I-A, L.P.	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
819	Retail Housing IDF, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	TH Property Holdings, L.L.C.	0%
820	Rex 1 Giralda Farms SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Giralda Whippany & JFK LLC	100%
821	Rex 7 Giralda Farms SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Giralda Whippany & JFK LLC	100%
822	Rex Short Hills MTE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Whitman JFK JV LLC	100%
823	Rex Short Hills SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Rex Short Hills MTE LLC	100%
824	RexCorp Plaza MTE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Tri-State Prime Property Venture LLC	100%
825	RexCorp Plaza SPE LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	RexCorp Plaza MTE LLC	100%
826	RF HP SCF Investor, LLC	DE	Dayton, NJ, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
827	Rhapsody Fund, L.P.	CA	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Asset Management LLC	1%
828	Rhone Partners IV L.P.	DE	New York, NY, U.S.A.	549300UZAY17D30CPC85	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
829	Richman Mortgage Assets Company I LLC	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
830	Richman Mortgage Assets Company II, LLC (Series A)	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
831	Ridgemont Equity Partners I, LP	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
832	Ridgemont Equity Partners II, LP	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
833	Ridley Corporation Limited	Australia	Melbourne, , Australia	549300UQM21UZW8DVW82	Limited Partner / Non-Managing Member	AGR Agricultural Investments LLC	NR
834	Rittenhouse Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners IV, L.P.	100%
835	River Oaks Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners VI Holdings, LLC	100%
836	Riverside Strategic Capital Fund I, L.P.	DE	New York, NY, U.S.A.	549300RMRICXHDZ12H18	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
837	Rodgers Creek Vineyard LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Winegrowers, LLC	100%
838	Roosevelt Participation S.à r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	Cityhold Proppo 9 S.à r.l.	100%
839	Roppenheim Holding SAS	France (Other)	Roppenheim, , France (Other)		General Partner / Managing Member	Neptune OPCI	100%
840	Roppenheim Outlet SNC	France (Other)	Roppenheim, , France (Other)	2138001EZPDMNG3B8E04	General Partner / Managing Member	Roppenheim Holding SAS	99%
841	Roppenheim Outlet SNC	France (Other)	Roppenheim, , France (Other)	2138001EZPDMNG3B8E04	General Partner / Managing Member	Neptune Roppenheim Holding S.à r.l.	1%
842	Rose Affordable Housing Preservation Fund IV	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	59%
843	ROSE AFFORDABLE HOUSING PRESERVATION FUN	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	96%
844	Rose Smart Growth Investment Fund I-A LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
845	RSP Permian, Inc.	DE	Dallas, TX, U.S.A.			Actoil, LLC	NR
846	RT Tri-State, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	49%
847	Rue de L'Universite 154	France (Other)	Paris, , France (Other)		General Partner / Managing Member	SAS 154 rue de l'Universite	100%
848	Runaway Bay, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners IV, L.P.	100%
849	Russia Partners III, LP	Cayman Islands	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
850	SAASH Co-Investment, LLC	DE	Charlotte, NC, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
851	Samambaia Propriedades Agrícolas Ltda	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Janus Brasil Participacoes, S.A.	100%
852	San Regis, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners III, L.P.	100%
853	Santa Barbara Asset Management, LLC	DE	Los Angeles, CA, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	100%
854	Santa Fe Ranch, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners II, L.P.	100%
855	SARL Des Brateaux	France (Other)	Paris, , France (Other)		General Partner / Managing Member	Villabe SAS	100%
856	SAS 154 rue de l'Universite	France (Other)	Paris, , France (Other)		General Partner / Managing Member	Cityhold Proppo 9 S.à r.l.	100%
857	SAS Malachite	France (Other)	Paris, , France (Other)		General Partner / Managing Member	TIAA Lux 9 S.a.r.l.	100%
858	SAS Roosevelt	France (Other)	Paris, , France (Other)		General Partner / Managing Member	Cityhold Proppo 9 S.à r.l.	100%
859	SBMC Holdings, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Sbcm Joint Venture LLC	49%
860	ScanTech Sciences, Inc.	DE	Atlanta, GA, U.S.A.			Occator Agricultural Properties, LLC	NR
861	SEMO Milling, LLC	MO	Scott City, MO, U.S.A.		Limited Partner / Non-Managing Member	AGR Agricultural Investments LLC	48%
862	Seringueira Propriedades Agrícolas Ltda	Brazil	Sao Paulo, , Brazil		General Partner / Managing Member	Janus Brasil Participacoes, S.A.	100%
863	Servin (Holding)	France (Other)	Paris, , France (Other)		General Partner / Managing Member	Bruyeres II SAS	100%
864	SG Solutions, LLC	IN	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA SynGas, LLC	40%
865	Shf-33d North Apts, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Student Housing Fund Holdings, LLC	100%
866	Shf-Millennium One Apts, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Student Housing Fund Holdings, LLC	100%
867	Shf-The Rocks Apts, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Student Housing Fund Holdings, LLC	100%
868	Siguler Guff Third Avenue, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	99%
869	Silverado Gonzales Vineyards, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
870	Silverado Los Alamos Vineyards, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
871	Silverado Monterey Vineyards, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
872	Silverado Premium Properties, LLC	DE	Napa Valley, CA, U.S.A.	549300LUSQPPHAGRWN60	General Partner / Managing Member	Dionysus Properties, LLC	100%
873	Silverado SLO Vineyards, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
874	Silverado Sonoma Vineyards, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
875	Silverado Suscol, LLC	CA	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Silverado Winegrowers, LLC	100%
876	Silverado Sweetwater Vineyards, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
877	Silverado Winegrowers Holdings, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Dionysus Properties, LLC	100%
878	Silverado Winegrowers, LLC	CA	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Silverado Winegrowers Holdings, LLC	100%
879	Silverwood Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners II, L.P.	100%
880	SNC Garnet-TIAA	France (Other)	Paris, , France (Other)		Limited Partner / Non-Managing Member	SAS Malachite	99%
881	SNC Garnet-TIAA	France (Other)	Paris, , France (Other)		General Partner / Managing Member	TIAA Lux 9 S.a.r.l.	1%
882	SNC La Défense	France (Other)	Paris, , France (Other)		Limited Partner / Non-Managing Member	SAS Malachite	99%
883	SNC La Défense	France (Other)	Paris, , France (Other)		General Partner / Managing Member	TIAA Lux 9 S.a.r.l.	1%
884	SNC Lazuli	France (Other)	Paris, , France (Other)		Limited Partner / Non-Managing Member	SAS Malachite	99%
885	SNC Lazuli	France (Other)	Paris, , France (Other)		General Partner / Managing Member	TIAA Lux 9 S.a.r.l.	1%
886	SNC Péridot	France (Other)	Paris, , France (Other)		Limited Partner / Non-Managing Member	SAS Malachite	99%
887	SNC Péridot	France (Other)	Paris, , France (Other)		General Partner / Managing Member	TIAA Lux 9 S.a.r.l.	1%
888	SNC Roosevelt	France (Other)	Paris, , France (Other)		Limited Partner / Non-Managing Member	SAS Roosevelt	99%
889	SNC Roosevelt	France (Other)	Paris, , France (Other)		General Partner / Managing Member	Roosevelt Participation S.à r.l.	1%
890	Social Infra, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
891	Special Account-U, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Global Investors GP, L.L.C.	1%
892	SPP Napa Vineyards, LLC	DE	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
893	Springing Druid, Inc.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V Holdings, L.L.C.	100%
894	SSF-1, LLC	DE	San Francisco, CA, U.S.A.		General Partner / Managing Member	Symphony Specialty Finance LLC	100%
895	Stage Gulch Ridge Vineyard, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Winegrowers, LLC	100%
896	Stanly Ranch Vineyards, LLC	CA	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
897	Stonegate Complex GP, L.L.C.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	NA Property Fund Holdings, L.L.C.	100%
898	Stonegate Complex, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Stonegate Complex GP, L.L.C.	1%
899	Stonegate Complex, L.P.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	NA Property Fund Holdings, L.L.C.	99%
900	Stonepeak Advisors Holdings LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA-Stonepeak Investments II, LLC	40%
901	Stonepeak Advisors LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Stonepeak Advisors Holdings LLC	100%
902	Stonepeak Associates LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Stonepeak GP Holdings LP	100%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
903	Stonepeak Communications Holdings LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	730 Telecom LLC	NR
904	Stonepeak Finland (Co-invest) Holdings LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	27%
905	Stonepeak GP Holdings LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA-Stonepeak Investments II, LLC	50%
906	Stonepeak Infrastructure Fund LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA-Stonepeak Investments I, LLC	21%
907	Strategic Commodities Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
908	Strategic Commodities Unit Trust	DE	New York, NY, U.S.A.			Gresham Investment Management LLC	0%
909	Strategic Value Special Situations Fund II, L.P.	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	63%
910	Strategic Value Special Situations Fund, L.P.	DE	Greenwich, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
911	Sugarloaf East Vineyard, LLC	DE	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Global AG Properties II USA LLC	100%
912	Sugarloaf Vineyard, LLC	DE	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Global AG Properties USA LLC	100%
913	Summit Partners Credit Fund, L.P.	DE	Boston, MA, U.S.A.	549300LOYQTOMQEED152	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
914	Sunpointe Cove, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners II, L.P.	100%
915	Suscol Mountain Vineyards, LLC	CA	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
916	Sverica Capital Partners IV, LP	DE	Boston, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
917	Sweden Nova Lund 1 AB	Sweden	Lund, Sweden		General Partner / Managing Member	T-C Nordics Investment AB	100%
918	Sweden Nova Lund 2 AB	Sweden	Lund, Sweden		General Partner / Managing Member	T-C Nordics Investment AB	100%
919	SWG Delta Vineyards, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Winegrowers, LLC	100%
920	SWG Paso Vineyards, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Winegrowers, LLC	100%
921	Symphony Asset Management LLC	CA	San Francisco, CA, U.S.A.	549300WWPCXP14L1F885	General Partner / Managing Member	Nuveen Investments, Inc.	51%
922	Symphony Asset Management LLC	CA	San Francisco, CA, U.S.A.	549300WWPCXP14L1F885	General Partner / Managing Member	Nuveen Investments Holdings, Inc.	49%
923	Tailwind Distinct Investor, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
924	Tampa Westshore Associates Limited Partnership	DE	Bloomfield Hills, MI, U.S.A.	5493008S2VEP87CWB143	General Partner / Managing Member	T-C International Plaza Investor GP LLC	1%
925	Tampa Westshore Associates Limited Partnership	DE	Bloomfield Hills, MI, U.S.A.	5493008S2VEP87CWB143	Limited Partner / Non-Managing Member	T-C International Plaza Investor LP LLC	48%
926	T-C 101 Miller Street Holding Company LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
927	T-C 101 Miller Street LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C 101 Miller Street Holding Company LLC	100%
928	T-C 1101 Pennsylvania Avenue LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
929	T-C 1101 Pennsylvania Avenue Owner LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 1101 Pennsylvania Avenue Venture LLC	99%
930	T-C 1101 Pennsylvania Avenue Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 1101 Pennsylvania Avenue LLC	51%
931	T-C 1608 Chestnut General Partner LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	CPF/JIR Joint Venture LLC	100%
932	T-C 1608 Chestnut Limited Partner LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	CPF/JIR Joint Venture LLC	100%
933	T-C 2 Herald Square Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
934	T-C 2 Herald Square Owner LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 2 Herald Square Venture LLC	99%
935	T-C 2 Herald Square Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 2 Herald Square Member LLC	51%
936	T-C 20 Hunter Street (AUS) Pty Ltd	Australia	Sydney, Australia		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
937	T-C 20 Hunter Street (AUS) Trust	Australia	New York, NY, U.S.A.			T-C 20 Hunter Street (US) LLC	100%
938	T-C 20 Hunter Street (US) LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
939	T-C 2300 Broadway LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
940	T-C 33 Arch Street LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 33 Arch Street Venture LLC	99%
941	T-C 33 Arch Street Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
942	T-C 33 Arch Street Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 33 Arch Street Member LP	51%
943	T-C 3333 Wisconsin Avenue, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
944	T-C 40 Broad Street LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
945	T-C 400 Montgomery, LLC	DE	San Francisco, CA, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
946	T-C 470 Park Avenue South Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
947	T-C 470 Park Avenue South Owner LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 470 Park Avenue South Venture LLC	99%
948	T-C 470 Park Avenue South Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 470 Park Avenue South Member LLC	51%
949	T-C 475 Fifth Avenue LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 475 Fifth Avenue Venture LLC	99%
950	T-C 475 Fifth Avenue Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
951	T-C 475 Fifth Avenue Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 475 Fifth Avenue Member LLC	51%
952	T-C 51 Sleeper Street LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TCAM Core Property Fund REIT 2 LLC	100%
953	T-C 526 Route 46 LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	PennMuni-TIAA U.S. Real Estate Fund, LLC	100%
954	T-C 636 Sixth Avenue Retail LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
955	T-C 680 Belleville LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Realty, LLC	100%
956	T-C 685 Third Avenue LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C 685 Third Avenue Venture LLC	100%
957	T-C 685 Third Avenue Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
958	T-C 685 Third Avenue Mezzanine LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C 685 Third Avenue LLC	100%
959	T-C 685 Third Avenue Owner LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C 685 Third Avenue Mezzanine LLC	100%
960	T-C 685 Third Avenue Venture LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C 685 Third Avenue Member LLC	51%
961	T-C 699 Bourke Street LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
962	T-C 77 Central LLC	DE	Mercer Island, WA, U.S.A.		General Partner / Managing Member	TIAA Realty, LLC	100%
963	T-C 800 17th Street NW Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
964	T-C 800 17th Street NW Owner LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 800 17th Street NW Venture LLC	99%
965	T-C 800 17th Street NW Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 800 17th Street NW Member LLC	51%
966	T-C 888 Brannan Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
967	T-C 888 Brannan Owner LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 888 Brannan Venture LLC	100%
968	T-C 888 Brannan TRS LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 888 Brannan Owner LLC	100%
969	T-C 888 Brannan Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C 888 Brannan Member LLC	51%
970	T-C 919 N. Michigan Avenue Retail LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
971	T-C Aspira LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
972	T-C Australia RE Holdings I, LLC	DE	Melbourne, Victoria, Australia		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
973	T-C Australia RE Holdings II, LLC	DE	Melbourne, Victoria, Australia		general Partner / Managing Member	T-C Australia RE Holdings I, LLC	100%
974	T-C Copley, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	PennMuni-TIAA U.S. Real Estate Fund, LLC	100%
975	T-C Coronado, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund REIT LLC	100%
976	T-C Des Peres Corners LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	PennMuni-TIAA U.S. Real Estate Fund, LLC	100%
977	T-C Ellington, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
978	T-C Europe Holding, Inc.	DE	New York, NY, U.S.A.			Teachers Insurance and Annuity Association of America	100%
979	T-C Europe S.à.r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	T-C Europe, LP	100%
980	T-C Europe, LP	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C Europe Holding, Inc.	1%
981	T-C Europe, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	99%
982	T-C Fairway Center II LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	PennMuni-TIAA U.S. Real Estate Fund, LLC	100%
983	T-C Falls Center Townhouses LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
984	T-C Franklin Square Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
985	T-C Franklin Square Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Franklin Square Member LLC	51%
986	T-C GA Real Estate Holdings LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
987	T-C Hall Of States Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
988	T-C Hall Of States Owner LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Hall Of States Venture LLC	99%
989	T-C Hall Of States Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Hall Of States Member LLC	51%
990	T-C H-T REIT LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C H-T Venture LLC	100%
991	T-C H-T Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C HV Member LLC	51%
992	T-C HV Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
993	T-C International Plaza Investor GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C International Plaza REIT LLC	100%
994	T-C International Plaza Investor LP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C International Plaza REIT LLC	100%
995	T-C International Plaza REIT LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C Super Regional Mall Venture LLC	>99.9%
996	T-C JK I LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
997	T-C JK II LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
998	T-C King Street Station LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
999	T-C Kings Crossing LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
1000	T-C Las Vegas Retail Investor LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Las Vegas Retail REIT LLC	100%
1001	T-C Las Vegas Retail REIT LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Super Regional Mall Venture LLC	100%
1002	T-C Legacy Place Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
1003	T-C Lux Fund Holdings LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1004	T-C Lux Investments GP S.a.r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	TH RE Group Holdings Limited	100%
1005	T-C Lux Investments Special Limited Partnership	Luxembourg	Luxembourg, Luxembourg		Limited Partner / Non-Managing Member	T-C Lux Fund Holdings LLC	100%
1006	T-C Lux Investments Special Limited Partnership	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	T-C Lux Investments GP S.a.r.l.	0%
1007	T-C Luxembourg Neptune Holdings S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	T-C Europe S.à.r.l.	100%
1008	T-C Midwest REIT LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Super Regional Mall Venture LLC	99%
1009	T-C Midwest Retail LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Midwest REIT LLC	100%
1010	T-C Montgomery Mall LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Montgomery Mall REIT LLC	100%
1011	T-C Montgomery Mall REIT LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Super Regional Mall Venture LLC	99%
1012	T-C Mt. Ommaney Centre Holding Company LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1013	T-C Mt. Ommaney Centre LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C Mt. Ommaney Centre Holding Company LLC	100%
1014	T-C Neptune Holdings S.à r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	T-C Luxembourg Neptune Holdings S.à r.l.	100%
1015	T-C Neuperlach Development S.a.r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	ND Europe S.a.r.l.	51%
1016	T-C Newbury Common LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
1017	T-C Nordics Investment AB	Sweden	Stockholm, Sweden		General Partner / Managing Member	Nightingale LuxCo S.à r.l.	100%
1018	T-C Ocean Air LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund REIT LLC	100%
1019	T-C Pearl REIT 2 LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C U.S. Super Regional Mall Fund LP	100%
1020	T-C PEP Assets S.a.r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	T-C PEP Holdings S.a.r.l.	100%
1021	T-C PEP Holdings S.a.r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	ND Europe S.a.r.l.	51%
1022	T-C PEP Property S.a.r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	T-C PEP Holdings S.a.r.l.	100%
1023	T-C Port Northwest Development LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Realty, LLC	100%
1024	T-C Potomac Promenade LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Retail Fund Operating LP	100%
1025	T-C RDC, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	PennMuni-TIAA U.S. Real Estate Fund, LLC	100%
1026	T-C Republic Square Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
1027	T-C Republic Square Mezzanine LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Republic Square REIT LLC	100%
1028	T-C Republic Square Owner LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Republic Square Mezzanine LLC	100%
1029	T-C Republic Square REIT LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Republic Square Venture LLC	99%
1030	T-C Republic Square Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Republic Square Member LLC	51%
1031	T-C Roosevelt Square LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Retail Fund Operating LP	100%
1032	T-C Savier Street Flats LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
1033	T-C Sbmcc Joint Venture LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1034	T-C Scripps Ranch LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	PennMuni-TIAA U.S. Real Estate Fund, LLC	100%
1035	T-C Shoppes at Monarch Lakes LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	PennMuni-TIAA U.S. Real Estate Fund, LLC	100%
1036	T-C SMA 2, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1037	T-C SMA I, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1038	T-C SMA III, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1039	T-C Stone House On Congress Apartments LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
1040	T-C Stonecrest LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
1041	T-C Super Regional Mall Venture LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA Super Regional Mall Member Sub LLC	51%
1042	T-C The Edge At Flagler Village LLC	DE	Ft. Lauderdale, FL, U.S.A.		general Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
1043	T-C Trio Apartments LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
1044	T-C U.S. Super Regional Mall Fund GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1045	T-C U.S. Super Regional Mall Fund LP	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C U.S. Super Regional Mall Fund GP LLC	0%
1046	T-C UK RE Holdings I, LLC	DE	Grays, Essex, England		general Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1047	T-C UK RE Holdings II, LLC	DE	Grays, Essex, England		general Partner / Managing Member	T-C UK RE Holdings I, LLC	100%
1048	T-C UK RE Holdings III, LLC	DE	Grays, Essex, England		general Partner / Managing Member	T-C UK RE Holdings II, LLC	100%
1049	T-C Uptown Apartments, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	PennMuni-TIAA U.S. Real Estate Fund, LLC	100%
1050	T-C Waterford Blue Lagoon General Partner LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1051	T-C Waterford Blue Lagoon LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1052	TCAM Core Property Fund REIT 2 LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund LP	100%
1053	TCAM DOF GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF LPHC, LLC	100%
1054	TCAS Global Investments LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Alternatives Services, LLC	100%
1055	TCGA BT AIV, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1056	TCGA II Investor Fund GP LLC	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1057	TCGA Investor Fund GP LLC	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1058	TCL Aventura, L.P.	DE	Simsbury, CT, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	49%
1059	TCPC Associates, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	485 Properties, LLC	100%
1060	TCPF 300 SW 27 LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	100%
1061	TCS II Opportunities Debt Solutions USA, LLC	DE	Minneapolis, MN, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1062	TCS II Opportunities Funding Holding Company, LLC	DE	Minneapolis, MN, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1063	TCS II Opportunities REO (Offshore), LLC	DE	Minneapolis, MN, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1064	TCS II Opportunities REO USA, LLC	DE	Minneapolis, MN, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1065	TCS II Opportunities USA Investment Holding Company	DE	Minneapolis, MN, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1066	TCS II Opportunities USA Investment Holding Company,	DE	Minneapolis, MN, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1067	TCT Holdings, Inc.	DE	New York, NY, U.S.A.			Teachers Insurance and Annuity Association of America	100%
1068	Teachers Advisors, LLC	DE	New York, NY, U.S.A.	Q3EVPQI7HQSIMVROU14	General Partner / Managing Member	Nuveen Finance, LLC	100%
1069	Teachers Personal Investors Services, Inc.	DE	New York, NY, U.S.A.			TIAA-CREF Asset Management LLC	100%
1070	Teays River Investments, LLC	DE	New York, NY, U.S.A.	549300K2LGDG00S08893	Limited Partner / Non-Managing Member	Occator Agricultural Properties, LLC	36%
1071	Teff Holdco LLC	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1072	TEFF Holding Sarl	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	TIAA European Farmland Fund LP	100%
1073	TEFF Investments BV	Netherlands	Amsterdam, Netherlands		General Partner / Managing Member	TEFF Holding Sarl	100%
1074	Tellus Bahia Propriedades Agrícolas Ltda.	Brazil	Sao Paulo, Brazil			Tellus Brasil Participações S.A.	100%
1075	Tellus Brasil Participações S.A.	Brazil	Sao Paulo, Brazil			Radar Propriedades Agrícolas SA	NR
1076	Tellus Brasil Participações S.A.	Brazil	Sao Paulo, Brazil			Terraviva Brasil Participacoes Ltda.	48%
1077	Tellus Brasil Participações S.A.	Brazil	Sao Paulo, Brazil			Nova Gaia Brasil Participaco Ltda.	1%
1078	Terra do Sol Propriedades Agrícolas S.A.	Brazil	Sao Paulo, Brazil			Tellus Brasil Participações S.A.	99%
1079	Terra Firma Capital Partners Co-Invest A, L.P.	Guernsey	London, England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1080	Terra Firma Capital Partners II Co-Invest 4b, L.P.	Guernsey	London, England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1081	Terra Land Company	IL	Champaign, IL, U.S.A.			Westchester Group Investment Management, Inc.	100%
1082	Terra Ventosa Vineyards, LLC	CA	, CA, U.S.A.		General Partner / Managing Member	Silverado Premium Properties, LLC	100%
1083	Terrainvest Propriedades Agrícolas S.A.	Brazil	Sao Paulo, Brazil			Tellus Brasil Participações S.A.	99%
1084	Terras da Ponte Alta S.A.	Brazil	Sao Paulo, Brazil			Radar Propriedades Agrícolas SA	100%
1085	Terraviva Brasil Participacoes Ltda.	Brazil	Sao Paulo, Brazil		General Partner / Managing Member	Nova Gaia Brasil Participaco Ltda.	99%
1086	Terraviva Brasil Participacoes Ltda.	Brazil	Sao Paulo, Brazil		General Partner / Managing Member	TIAA-CREF Global Agriculture BR, LLC	1%
1087	TGA 299 Franklin LLC	DE	Redwood City, CA, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1088	TGA 600 College Road LLC	DE	Princeton, NJ, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1089	TGA 70 Federal Street LLC	DE	Boston, MA, U.S.A.		General Partner / Managing Member	TIAA Realty, LLC	100%
1090	TGA FC Investor Member LLC	DE	Boston, MA, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1091	TGA Ginza 115 Holdings Pte Ltd	Singapore	Tokyo, Japan		General Partner / Managing Member	TGA Japan Holdings Pte Ltd	100%
1092	TGA Ginza115 GK	Japan	Tokyo, Japan		General Partner / Managing Member	TGA Japan GK Holdings Pte Ltd	99%
1093	TGA Ginza115 ISH	Japan	Tokyo, Japan		Not reportable interest	TGA Ginza 115 Holdings Pte Ltd	100%
1094	TGA Ginza115 TMK	Japan	Tokyo, Japan		Limited Partner / Non-Managing Member	TGA Ginza115 GK	51%
1095	TGA Ginza115 TMK	Japan	Tokyo, Japan		General Partner / Managing Member	TGA Ginza 115 Holdings Pte Ltd	49%
1096	TGA Japan GK Holdings Pte Ltd	Singapore	Tokyo, Japan		General Partner / Managing Member	TGA Japan Holdings Pte Ltd	100%
1097	TGA Japan Holdings Pte Ltd	Singapore	Tokyo, Japan		General Partner / Managing Member	TGA Japan Holdings, LLC	100%
1098	TGA Japan Holdings, LLC	DE	Tokyo, Japan		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1099	TGA Montague Investor Member LLC	DE	Brooklyn, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1100	TGA Montrose Residences Investor Member LLC	DE	Houston, TX, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1101	TGAM Agribusiness Fund GP LLC	DE	Visalia, CA, U.S.A.		General Partner / Managing Member	AGR Partners LLC	100%
1102	TGAM Agribusiness Fund Holdings LP	DE	Visalia, CA, U.S.A.		Limited Partner / Non-Managing Member	TGAM Agribusiness Fund LP	95%
1103	TGAM Agribusiness Fund LP	DE	Visalia, CA, U.S.A.		General Partner / Managing Member	TGAM Agribusiness Fund GP LLC	0%
1104	TGAM Agribusiness Fund LP	DE	Visalia, CA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	99%
1105	TGAM Agribusiness Fund-B LP	Cayman Islands	Grand Cayman, Cayman Islands		General Partner / Managing Member	TGAM Agribusiness Fund GP LLC	0%
1106	TGAM APAC LLC	DE	Hong Kong, Hong Kong		General Partner / Managing Member	TGAM Subsidiary HC LLC	33%
1107	TGAM APAC LLC	DE	Hong Kong, Hong Kong		General Partner / Managing Member	TIAA International Subsidiary HC LLC	33%
1108	TGAM APAC LLC	DE	Hong Kong, Hong Kong		General Partner / Managing Member	TIAA-CREF International Holdings LLC	33%
1109	TGAM Asia LLC	DE	Hong Kong, Hong Kong		General Partner / Managing Member	TGAM Subsidiary HC LLC	33%
1110	TGAM Asia LLC	DE	Hong Kong, Hong Kong		General Partner / Managing Member	TIAA International Subsidiary HC LLC	33%
1111	TGAM Asia LLC	DE	Hong Kong, Hong Kong		General Partner / Managing Member	TIAA-CREF International Holdings LLC	33%
1112	TGAM Churchill Fund GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Churchill Asset Management LLC	100%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
1113	TGAM Churchill Middle Market Senior Loan Fund K, LP	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	TGAM Churchill Fund GP LLC	0%
1114	TGAM Churchill Middle Market Senior Loan Fund, LP	DE	New York, NY, U.S.A.		General Partner / Managing Member	TGAM Churchill Fund GP LLC	0%
1115	TGAM Churchill Middle Market Senior Loan Fund, LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	66%
1116	TGAM Churchill Middle Market Senior Loan Fund, Offsho	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	TGAM Churchill Fund GP LLC	50%
1117	TGAM HK HC LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TGAM APAC LLC	25%
1118	TGAM HK HC LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TGAM Asia LLC	25%
1119	TGAM HK HC LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TIAA International APAC LLC	25%
1120	TGAM HK HC LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TIAA International Asia LLC	25%
1121	TGAM Subsidiary HC LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TIAA-CREF International Holdings LLC	100%
1122	TH Property Holdings, L.L.C.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1123	TH RE Administration Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA Henderson Real Estate Limited	100%
1124	TH RE Administration US LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TH RE US Holdings LLC	100%
1125	TH RE AIFM Group Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA Henderson Real Estate Limited	100%
1126	TH RE Corporate Secretarial Services Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
1127	TH RE FCACO Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA Henderson Real Estate Limited	100%
1128	TH RE Group Holdings Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA Henderson Real Estate Limited	100%
1129	TH RE Italy S.r.l	Italy (Other)	Milan, , Italy (Other)		General Partner / Managing Member	TH RE Group Holdings Limited	100%
1130	TH RE Operations Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TH RE Group Holdings Limited	100%
1131	TH RE US Holdings LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TH RE US Limited	100%
1132	TH RE US Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA Henderson Real Estate Limited	100%
1133	TH Real Estate (Australia) Limited	Australia	Sydney, , Australia		General Partner / Managing Member	TH RE Group Holdings Limited	100%
1134	TH Real Estate (France) SAS	France (Other)	Paris, , France (Other)		General Partner / Managing Member	TH RE Group Holdings Limited	100%
1135	TH Real Estate Global LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1136	TH Real Estate PELV GP Sari	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	TH RE Group Holdings Limited	100%
1137	TH Real Estate US LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TH RE US Holdings LLC	100%
1138	The ETAP Fund, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1139	The ETAP Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1140	The ETAP Master Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.	5493009HDN4LZG4S2069	General Partner / Managing Member	Gresham Asset Management LLC	0%
1141	The Flats 130 DC Residential LLC	DE	Washington, DC, U.S.A.		General Partner / Managing Member	The Flats Holding Company LLC	100%
1142	The Flats 140 DC Residential LLC	DE	Washington, DC, U.S.A.		General Partner / Managing Member	The Flats Holding Company LLC	100%
1143	The Flats DC Grocery LLC	DE	Washington, DC, U.S.A.		General Partner / Managing Member	The Flats Holding Company LLC	100%
1144	The Flats Holding Company LLC	DE	Washington, DC, U.S.A.		General Partner / Managing Member	T-C GA Real Estate Holdings LLC	100%
1145	The Gresham A+ Fund LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	1%
1146	The Gresham A+ Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1147	The Gresham A+ Master Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.	549300QIPKZZPRGA3766	General Partner / Managing Member	Gresham Asset Management LLC	1%
1148	The Gresham DJF CommodityBuilder Fund, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1149	The Gresham DJF Fund, Ltd.	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1150	The Gresham EJ Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1151	The Gresham EJ Master Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.	549300NPPKBQL9CRZ46	General Partner / Managing Member	Gresham Asset Management LLC	0%
1152	The Gresham G+ Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	1%
1153	The Gresham G+ Master Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.	549300QIPKZZPRGA3766	General Partner / Managing Member	Gresham Asset Management LLC	0%
1154	The Gresham MTAP Commodity Builder Fund, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	1%
1155	The Gresham Qualifying Investor Funds PLC	Ireland	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1156	The Grove Apartments Springing Member, Inc	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Grande Investments I, LLC	100%
1157	The Grove Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Grande Investments I, LLC	100%
1158	The Lantern Apartments LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Grande Investments I, LLC	100%
1159	The Onshore ETAP Fund, L.L.C.	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1160	The Onshore Gresham A+ Fund, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1161	The Plata Wine Partners Trust	CA	Napa Valley, CA, U.S.A.			Westchester Group Investment Management, Inc.	100%
1162	The Pointe At Chapel Hill Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners IV, L.P.	100%
1163	The Residences at La Colombe d'Or Investors LLC	DE	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	TGA Montrose Residences Investor Member LLC	90%
1164	The Resilience Fund III, L.P.	DE	Cleveland, OH, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1165	The Strategic Commodities Fund II LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1166	The Strategic Commodities Fund LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1167	The Strategic Commodities Master Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1168	The TAP CommodityBuilder Fund, L.L.C.	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1169	The Tap Fund, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1170	The TAP Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1171	The TAP Master Fund Ltd.	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1172	The TAP WP Master Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Asset Management LLC	1%
1173	The TAP WP Master Fund, Ltd.	Cayman Islands	New York, NY, U.S.A.		General Partner / Managing Member	Gresham Investment Management LLC	0%
1174	The Tradewinds Institutional Investment Trust	DE	Los Angeles, CA, U.S.A.			Tradewinds Global Investors, LLC	0%
1175	THRE Global Investments LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	485 Properties, LLC	100%
1176	Thurrock Retail Park Unit Trust	Jersey	Grays, Essex, England		Not reportable interest	T-C UK RE Holdings II, LLC	1%
1177	Thurrock Retail Park Unit Trust	Jersey	Grays, Essex, England		Not reportable interest	T-C UK RE Holdings III, LLC	99%
1178	TIAA 51 JFK - 1305	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	49%
1179	TIAA Alternative Holdings, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Asset Management LLC	100%
1180	TIAA Australia Real Estate Trust	Australia	Melbourne, Victoria, Australia		Not reportable interest	T-C Australia RE Holdings II, LLC	100%
1181	TIAA CLO I LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA CLO I Ltd	100%
1182	TIAA CLO I Ltd	Cayman Islands	New York, NY, U.S.A.		Not reportable interest	Teachers Insurance and Annuity Association of America	0%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
1183	TIAA CMBS I Trust	DE	New York, NY, U.S.A.			TIAA CMBS I, LLC	100%
1184	TIAA CMBS I, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1185	TIAA Diamond Investor, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	99%
1186	TIAA Diversified Public Investments, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1187	TIAA European Farmland Fund GP LP	Cayman Islands	Grand Cayman, , Cayman Islands		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1188	TIAA European Farmland Fund LP	Cayman Islands	Grand Cayman, , Cayman Islands		General Partner / Managing Member	TIAA European Farmland Fund GP LP	0%
1189	TIAA European Farmland Fund LP	Cayman Islands	Grand Cayman, , Cayman Islands		Limited Partner / Non-Managing Member	Teff Holdco LLC	43%
1190	TIAA Franklin Square, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	T-C Franklin Square Venture LLC	99%
1191	TIAA GBS HOLDING LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1192	TIAA GBS Singapore Holding Company Pte. Ltd.	Singapore	Singapore, , Singapore		Not reportable interest	TIAA GBS HOLDING LLC	100%
1193	TIAA Gemini Office, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	485 Properties, LLC	100%
1194	TIAA Global Ag Holdco LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1195	TIAA Global Ag II Special Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1196	TIAA Global Ag Special Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1197	TIAA Global Asset Management Australia Pty Ltd	Australia	Sydney, , Australia		General Partner / Managing Member	TIAA-CREF International Holdings LLC	100%
1198	TIAA Global Asset Management Hong Kong Limited	Hong Kong	Hong Kong, , Hong Kong		General Partner / Managing Member	TGAM HK HC LLC	100%
1199	TIAA Global Asset Management London Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA-CREF International Holdings LLC	100%
1200	TIAA Global Business Services (India) Private Limited	India (Other)	Mumbai, , India (Other)		Not reportable interest	TIAA GBS Singapore Holding Company Pte. Ltd.	100%
1201	TIAA Global Equity Income, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1202	TIAA Global Public Investments, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1203	TIAA GTR Holdco LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1204	TIAA Henderson Investment Consulting (Shanghai) Com	China, Peoples Republic of	Republic of		General Partner / Managing Member	TH RE Group Holdings Limited	100%
1205	TIAA Henderson Real Estate Enhanced Debt (GP) S.a.r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	TH RE Group Holdings Limited	100%
1206	TIAA Henderson Real Estate Enhanced Debt Fund, SCS	Luxembourg	London, , England		Limited Partner / Non-Managing Member	T-C Lux Investments Special Limited Partnership	36%
1207	TIAA Henderson Real Estate Enhanced Debt Fund, SCS	Luxembourg	London, , England		General Partner / Managing Member	TIAA Henderson Real Estate Enhanced Debt (GP) S.a.r.l.	0%
1208	TIAA Henderson Real Estate Enhanced Debt Fund, SCS	Luxembourg	London, , England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	36%
1209	TIAA Henderson Real Estate Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA International Holdings 1 Limited	1%
1210	TIAA Henderson Real Estate Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA International Holdings 3 Limited	99%
1211	TIAA Infrastructure Investments, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1212	TIAA International APAC LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TGAM Subsidiary HC LLC	33%
1213	TIAA International APAC LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TIAA International Subsidiary HC LLC	33%
1214	TIAA International APAC LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TIAA-CREF International Holdings LLC	33%
1215	TIAA International Asia LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TGAM Subsidiary HC LLC	33%
1216	TIAA International Asia LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TIAA International Subsidiary HC LLC	33%
1217	TIAA International Asia LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TIAA-CREF International Holdings LLC	33%
1218	TIAA International Holdings 1 Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA-CREF International Holdings LLC	100%
1219	TIAA International Holdings 2 Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA-CREF International Holdings LLC	100%
1220	TIAA International Holdings 3 Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TIAA International Holdings 2 Limited	100%
1221	TIAA International Subsidiary HC LLC	DE	Hong Kong, , Hong Kong		General Partner / Managing Member	TIAA-CREF International Holdings LLC	100%
1222	TIAA Lux 11 S.a.r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	ND Europe S.a.r.l.	51%
1223	TIAA Lux 5 S.a.r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	ND Properties, Inc.	51%
1224	TIAA Lux 8 S.a.r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	Cityhold Office Partnership S.a.r.l.	88%
1225	TIAA Lux 8 S.a.r.l.	Luxembourg	Luxembourg, , Luxembourg		Limited Partner / Non-Managing Member	ND Europe Office Holding S.a.r.l.	NR
1226	TIAA Lux 9 S.a.r.l.	Luxembourg	Luxembourg, , Luxembourg		General Partner / Managing Member	Cityhold Office Partnership S.a.r.l.	100%
1227	TIAA Melbourne Retail Asset 1 Trust	Australia	Melbourne, Victoria, Australia		Not reportable interest	TIAA Melbourne Retail Holding 1 Trust	100%
1228	TIAA Melbourne Retail Holding 1 Trust	Australia	Melbourne, Victoria, Australia		Not reportable interest	TIAA Australia Real Estate Trust	100%
1229	TIAA Oil and Gas Investments, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1230	TIAA Park Evanston, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1231	TIAA Realty, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1232	TIAA SMA Strategies LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1233	TIAA Stafford-Harrison LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	ND Properties, Inc.	100%
1234	TIAA Super Regional Mall Member Sub LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1235	TIAA SynGas, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1236	TIAA Timberlands I, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1237	TIAA Timberlands II, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1238	TIAA Union Place Phase I, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1239	TIAA Wind Investments LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Oil and Gas Investments, LLC	100%
1240	TIAA-CPIB Commercial Mortgage Company REIT LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CPIB Commercial Mortgage Company, L.P.	50%
1241	TIAA-CPIB Commercial Mortgage Company, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	50%
1242	TIAA-CPIB Commercial Mortgage Company, L.P.	DE	New York, NY, U.S.A.		General Partner / Managing Member	T-C SMA III, LLC	1%
1243	TIAA-CREF Alternatives Advisors, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1244	TIAA-CREF Alternatives Services, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1245	TIAA-CREF Asset Management Distressed Opportunities	DE	New York, NY, U.S.A.		General Partner / Managing Member	TCAM DOF GP LLC	0%
1246	TIAA-CREF Asset Management Distressed Opportunities	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	50%
1247	TIAA-CREF Asset Management LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Nuven, LLC	100%
1248	TIAA-CREF Asset Management UK Limited	United Kingdom (other)	London, , England		General Partner / Managing Member	TH RE FCACO Limited	100%
1249	TIAA-CREF Global Agriculture BR, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Global Agriculture LLC	100%
1250	TIAA-CREF Global Agriculture II BR, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Global Agriculture II LLC	100%
1251	TIAA-CREF Global Agriculture II LLC	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	TIAA Global Ag Holdco LLC	11%
1252	TIAA-CREF Global Agriculture Investor Fund, LP	DE	Charlotte, NC, U.S.A.		General Partner / Managing Member	TCGA Investor Fund GP LLC	0%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
1253	TIAA-CREF Global Agriculture LLC	DE	Charlotte, NC, U.S.A.	54930025LLMFRQV6CP42	General Partner / Managing Member	TIAA Global Ag Holdco LLC	41%
1254	TIAA-CREF Global Agriculture LLC	DE	Charlotte, NC, U.S.A.	54930025LLMFRQV6CP42	General Partner / Managing Member	TIAA-CREF Global Agriculture Investor Fund, LP	1%
1255	TIAA-CREF Individual & Institutional Services, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1256	TIAA-CREF Insurance Agency, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Life Insurance Company	100%
1257	TIAA-CREF International Holdings LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1258	TIAA-CREF Investment Management, LLC	DE	New York, NY, U.S.A.	TOZQWWJ84LOBORSOTP42	General Partner / Managing Member	TIAA-CREF Asset Management LLC	100%
1259	TIAA-CREF Life Insurance Company	NY	New York, NY, U.S.A.			Teachers Insurance and Annuity Association of America	100%
1260	TIAA-CREF LPHC, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1261	TIAA-CREF Luxembourg S.a.r.l.	Luxembourg	Luxembourg, Luxembourg		General Partner / Managing Member	TH RE Group Holdings Limited	100%
1262	TIAA-CREF Real Property Fund GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF LPHC, LLC	100%
1263	TIAA-CREF Real Property Fund LP	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Real Property Fund GP LLC	0%
1264	TIAA-CREF Real Property Fund REIT LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Real Property Fund LP	99%
1265	TIAA-CREF Redwood, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1266	TIAA-CREF Trust Company, FSB	N/A. National Thrift	St. Louis, MO, U.S.A.			TCT Holdings, Inc.	100%
1267	TIAA-CREF Tuition Financing, Inc.	DE	New York, NY, U.S.A.			Teachers Insurance and Annuity Association of America	100%
1268	TIAA-Stonepeak Investments I, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1269	TIAA-Stonepeak Investments II, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1270	T-Investment Properties Corp.	DE	New York, NY, U.S.A.			485 Properties, LLC	100%
1271	Toperone Agrícola S.A.	Brazil	Sao Paulo, Brazil			Tparone Participações S.A.	100%
1272	Topertowo Agrícola S.A.	Brazil	Sao Paulo, Brazil			Tpartwo Participações S.A.	100%
1273	Topola Lasy spolka z o. o.	Poland	Warsaw, Poland		Limited Partner / Non-Managing Member	Renewable Timber Netherlands B.V.	100%
1274	TORO/EPP II, LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA Infrastructure Investments, LLC	33%
1275	Tparone Participações S.A.	Brazil	Sao Paulo, Brazil			Tellus Brasil Participações S.A.	100%
1276	Tpartwo Participações S.A.	Brazil	Sao Paulo, Brazil			Tellus Brasil Participações S.A.	100%
1277	TPG IV Hatrick AIV, L.P.	Cayman Islands	New York, NY, U.S.A.	549300EZPP7CQQTJHB40	Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1278	TPG Solar Coinvest LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1279	Tradewinds Global Investors, LLC	DE	Los Angeles, CA, U.S.A.		Limited Partner / Non-Managing Member	Nuveen Tradewinds Holdings, LLC	99%
1280	Tradewinds Global Investors, LLC	DE	Los Angeles, CA, U.S.A.		General Partner / Managing Member	Nuveen Investments, Inc.	1%
1281	Tramonto Apartments LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Grande Investments I, LLC	100%
1282	Treehouse California Almonds, LLC	CA	Marina del Rey, CA, U.S.A.	549300A9CE1215YU5K41	General Partner / Managing Member	Almond Processors, LLC	40%
1283	Triangle Petroleum Corporation	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Actoil Bakken, LLC	NR
1284	Trinity Hunt Partners IV, L.P.	DE	Dallas, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1285	Tri-State Prime Property Venture LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	TIAA Gemini Office, LLC	85%
1286	Tritium I, L.P.	DE	Austin, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1287	TRPF 1525 Harvard Avenue LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Real Property Fund REIT LLC	100%
1288	TRPF 51 Commerce Drive LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Real Property Fund REIT LLC	100%
1289	TRPF 99/101 Boston Office Portfolio LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TRPF 99-101 Boston Office REIT Member LLC	100%
1290	TRPF 99-101 Boston Office REIT Member LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Real Property Fund REIT LLC	100%
1291	TRPF 99-101 Boston Portfolio Manager LLC	MA	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Real Property Fund REIT LLC	100%
1292	TRPF Global Investments, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Real Property Fund REIT LLC	100%
1293	TRPF Marilton Square LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Real Property Fund REIT LLC	100%
1294	TRPF Marilton Square Pad Site LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA-CREF Real Property Fund REIT LLC	100%
1295	True Oak Napa Vineyard, LLC	DE	Napa Valley, CA, U.S.A.		General Partner / Managing Member	Global AG Properties II USA LLC	100%
1296	TXCGL Properties, L.P.	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	CGL Investments, LLC	99%
1297	TXCGL Properties, L.P.	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	CGL Management, LLC	1%
1298	U.S. Cities Fund GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1299	U.S. Cities Fund LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	ND Properties, Inc.	7%
1300	U.S. Cities Fund LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund GP LLC	1%
1301	U.S. Cities Fund Operating GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	U.S. Cities Fund REIT LLC	100%
1302	U.S. Cities Fund Operating LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating GP LLC	1%
1303	U.S. Cities Fund Operating LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund REIT LLC	99%
1304	U.S. Cities Fund REIT LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund LP	99%
1305	U.S. Cities Retail Fund GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Alternative Holdings, LLC	100%
1306	U.S. Cities Retail Fund LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Fund Operating LP	99%
1307	U.S. Cities Retail Fund LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Retail Fund GP LLC	1%
1308	U.S. Cities Retail Fund Operating GP LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	U.S. Cities Retail Fund REIT LLC	100%
1309	U.S. Cities Retail Fund Operating LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Retail Fund REIT LLC	99%
1310	U.S. Cities Retail Fund Operating LP	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Retail Fund Operating GP LLC	1%
1311	U.S. Cities Retail Fund REIT LLC	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	U.S. Cities Retail Fund LP	99%
1312	UK PPP Investments LP	United Kingdom (other)	London, England		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	100%
1313	Union Place Phase I, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	TIAA Union Place Phase I, LLC	100%
1314	Upper Columbia Mill, LLC	DE	Portland, OR, U.S.A.		General Partner / Managing Member	GTFF Mill Corp.	100%
1315	URBAN STRATEGY AMERICA FUND, LP	DE	Boston, MA, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1316	Vale da Ponte Alta S.A.	Brazil	Sao Paulo, Brazil			Administração de Participações Aguassanta Ltda	100%
1317	Vestar Capital Partners VI, L.P.	Cayman Islands	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1318	Villabe SAS	France (Other)	Paris, France (Other)		General Partner / Managing Member	ND Europe S.a.r.l.	100%
1319	Vista Pointe Apartments, LLC	DE	Hartford, CT, U.S.A.		General Partner / Managing Member	Casa Partners IV, L.P.	100%
1320	W R C Properties, LLC	DE	New York, NY, U.S.A.		General Partner / Managing Member	Teachers Insurance and Annuity Association of America	100%
1321	Walk Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners III, L.P.	100%
1322	Wang's International, Incorporated	CA	City of Industry, CA, U.S.A.			Pilot Holding, Inc.	100%

	Entity Full Legal Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	If LLC or Partnership, indicate ownership interest by direct parent	Direct Parent Entity Name	Ownership %
1323	Waterford at The Lakes Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V Holdings, L.L.C.	100%
1324	Waterford Blue Lagoon LP	DE	Miami, FL, U.S.A.		Limited Partner / Non-Managing Member	T-C Waterford Blue Lagoon LLC	50%
1325	Waterford Blue Lagoon LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	T-C Waterford Blue Lagoon General Partner LLC	1%
1326	Waterford Blue Lagoon REIT General Partner LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Blue Lagoon LP	100%
1327	Waterford Blue Lagoon REIT LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Blue Lagoon LP	100%
1328	Waterford Blue Lagoon REIT LP	DE	Miami, FL, U.S.A.		Limited Partner / Non-Managing Member	Waterford Blue Lagoon REIT General Partner LLC	0%
1329	Waterford Core General Partner LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Blue Lagoon LP	100%
1330	Waterford Core Operating LP	DE	Miami, FL, U.S.A.		Limited Partner / Non-Managing Member	Waterford Blue Lagoon LP	100%
1331	Waterford Core Operating LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Core General Partner LLC	0%
1332	Waterford Park Apartments, LLC	DE	Hartford, CT, U.S.A.		Limited Partner / Non-Managing Member	Casa Partners V Holdings, L.L.C.	100%
1333	Westchester Group Asset Management, Inc.	IL	Champaign, IL, U.S.A.			Westchester Group Investment Management, Inc.	100%
1334	Westchester Group Farm Management, Inc.	IL	Champaign, IL, U.S.A.			Westchester Group Investment Management, Inc.	100%
1335	Westchester Group Investment Management Holding Co	DE	New York, NY, U.S.A.			TIAA Alternative Holdings, LLC	100%
1336	Westchester Group Investment Management, Inc.	DE	Champaign, IL, U.S.A.			Westchester Group Investment Management Holding Company, Inc.	85%
1337	Westchester Group of Australia Pty Ltd	Australia	Victoria, , Australia		General Partner / Managing Member	Westchester Group Investment Management, Inc.	100%
1338	Westchester Group of Europe Limited	United Kingdom (other)	Cambridge, , England		General Partner / Managing Member	Westchester Group Investment Management, Inc.	100%
1339	Westchester Group of Poland Sp. Z.o.o.	Poland	TULCE, , Poland		General Partner / Managing Member	Westchester Group of Europe Limited	100%
1340	Westchester Group Real Estate, Inc.	IL	Champaign, IL, U.S.A.			Westchester Group Investment Management, Inc.	100%
1341	Westland At Waterford General Partner LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Westland At Waterford REIT LP	100%
1342	Westland At Waterford Operating LP	DE	Miami, FL, U.S.A.		Limited Partner / Non-Managing Member	Westland At Waterford REIT LP	100%
1343	Westland At Waterford Operating LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Westland At Waterford General Partner LLC	0%
1344	Westland At Waterford REIT General Partner LLC	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Blue Lagoon LP	100%
1345	Westland At Waterford REIT LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Waterford Blue Lagoon LP	100%
1346	Westland At Waterford REIT LP	DE	Miami, FL, U.S.A.		General Partner / Managing Member	Westland At Waterford REIT General Partner LLC	0%
1347	White Deer Energy, LP	Cayman Islands	Houston, TX, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1348	Whitman JFK JV LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Whitman JFK LLC	51%
1349	Whitman JFK JV LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	49%
1350	Whitman JFK LLC	DE	Uniondale, NY, U.S.A.		Limited Partner / Non-Managing Member	Tri-State Prime Property Venture LLC	100%
1351	Wigg (Holdings) Limited	United Kingdom (other)	London, , England			UK PPP Investments LP	100%
1352	Wigg Investments Limited	United Kingdom (other)	London, , England			Wigg (Holdings) Limited	100%
1353	Winchester Electronics (Equity Co-Invest)	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1354	Winslow Capital Management, LLC	DE	Minneapolis, MN, U.S.A.		General Partner / Managing Member	Nuveen WCM Holdings, LLC	100%
1355	WLR Recovery Fund IV XCO AIV III, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1356	Workforce Housing Fund I - 2007, LP	DE	Bethesda, MD, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR
1357	ZM Capital II, L.P.	DE	New York, NY, U.S.A.		Limited Partner / Non-Managing Member	Teachers Insurance and Annuity Association of America	NR

Form FR Y-6
2a: Organizational Chart
TCT Holdings, Inc.
New York, New York
Fiscal Year Ending December 31, 2016

Entity Name	State or Country of Incorporation	Physical Address	Legal Entity Identifier	Direct Parent Entity Name	Ownership %
TIAA Board Of Overseers	NY	New York, NY, U.S.A.			
Teachers Insurance and Annuity Association of America	NY	New York, NY, U.S.A.	O06XD7BJ4EPXNABVFN69	TIAA Board Of Overseers	100%
TCT Holdings, Inc.	DE	New York, NY, U.S.A.		Teachers Insurance and Annuity Association of America	100%

Form FR Y-6
TIAA Board Of Overseers
 Fiscal Year Ending December 31, 2016

Report Item 3: Securities holders

(1)(a)(b)(c) and (2)(a)(b)(c)

Current securities holders with ownership, control or holdings of 5% or more with power to vote as of fiscal year ending 12-31-2016			Securities holders not listed in 3(1)(a) through 3(1)(c) that had ownership, control or holdings of 5% or more with power to vote during the fiscal year ending 12-31-2016		
(1)(a) Name, City, State, Country	(1)(b) Country of Citizenship or Incorporation	(1)(c) Number and Percentage of Each Class of Voting Securities	(2)(a) Name, City, State, Country	(2)(b) Country of Citizenship or Incorporation	(2)(c) Number and Percentage of Each Class of Voting Securities
<p>There are no stockholders for TIAA Board of Overseers. TIAA Board of Overseers (a Type B New York not-for-profit corporation) was chartered on June 3, 1937 by an act of the New York State Legislature. All of the common stock of the Teachers Insurance and Annuity Association of America ("TIAA") was transferred by the Carnegie Corporation of New York to the TIAA Board of Overseers for the purpose of holding the outstanding stock of TIAA, a legal reserve life insurance company.</p>			<p>N/A</p>		

Form FR Y-6

Teachers Insurance and Annuity Association of America (TIAA)

Fiscal Year Ending December 31, 2016

Report Item 3: Securities holders

(1)(a)(b)(c) and (2)(a)(b)(c)

Current securities holders with ownership, control or holdings of 5% or more with power to vote as of fiscal year ending 12-31-2016			Securities holders not listed in 3(1)(a) through 3(1)(c) that had ownership, control or holdings of 5% or more with power to vote during the fiscal year ending 12-31-2016		
(1)(a) Name, City, State, Country	(1)(b) Country of Citizenship or Incorporation	(1)(c) Number and Percentage of Each Class of Voting Securities	(2)(a) Name, City, State, Country	(2)(b) Country of Citizenship or Incorporation	(2)(c) Number and Percentage of Each Class of Voting Securities
TIAA Board Of Overseers New York, NY, USA	USA	2,500 Shares - 100% Common Capital Stock	N/A		

Form FR Y-6
TCT Holdings, Inc.
 Fiscal Year Ending December 31, 2016

Report Item 3: Securities holders

(1)(a)(b)(c) and (2)(a)(b)(c)

Current securities holders with ownership, control or holdings of 5% or more with power to vote as of fiscal year ending 12-31-2016			Securities holders not listed in 3(1)(a) through 3(1)(c) that had ownership, control or holdings of 5% or more with power to vote during the fiscal year ending 12-31-2016		
(1)(a) Name, City, State, Country	(1)(b) Country of Citizenship or Incorporation	(1)(c) Number and Percentage of Each Class of Voting Securities	(2)(a) Name, City, State, Country	(2)(b) Country of Citizenship or Incorporation	(2)(c) Number and Percentage of Each Class of Voting Securities
TEACHERS INSURANCE AND ANNUITY ASSOCIATION OF AMERICA New York, NY, USA	USA	100 Shares - 100% Common Stock	N/A		

Form FR Y-6
TIAA Board of Overseers
Overseers & Officers
Fiscal Year Ending December 31, 2016

Report Item 4: Insiders
(1), (2), (3)(a)(b)(c), and (4)(a)(b)(c)

	(1)			(2)	(3)(a)	(3)(b)	(3)(c)	(4)(a)	(4)(b)	(4)(c)
	Name	City, State	Country	Principal Occupation If Other Than With TIAA	Title & Position with TIAA	Title & Position with Subsidiaries (include names of subsidiaries)	Title & Position With Other Businesses (Include Names Of Other Businesses)	Percentage of Voting Shares in TIAA	Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)	List Names Of Other Companies (Includes Partnerships) If 25% Or More Of Voting Securities Are Held (List Names Of Companies And Percentage Of Voting Securities Held)
1	Lawrence Seldon Bacow	Brookline, MA	USA	Retired	Member (TIAA Board of Overseers)	N/A	Harvard University, Member of Corporation, Fiduciary for university; Leader in Residence (John F. Kennedy School of Government at Harvard University); Director (Loews Corporation); Director (Henry Schein, Inc.); Director (Rockefeller Trust Committee); Director (LiquidNet Holdings, Inc.); Fellow (American Academy of Arts and Sciences); Senior advisor (Ithaca S+R)	None	None	N/A
2	Scott S. Cowen	New Orleans, LA	USA	President Emeritus and Distinguished University Chair (Tulane University)	Member (TIAA Board of Overseers)	N/A	President Emeritus and Distinguished University Chair (Tulane University); Board member (Tulane University); Board member (Notre Dame); Board member (Barnes & Noble); Board member (American Greetings); Board member (Forest City Enterprises); Board member (Newell Brands); Board member (NACCO, to 2016); Board member (Case Western Reserve University); Board member (Greater New Orleans, Inc.); Board member (Posse Foundation); Board member (New Orleans Art Museum); Board member (Parkwood Industries); Board member (Marcus Foundation); Board member (Weatherhead Foundation); Board member (Knight Commission)	None	None	N/A

Form FR Y-6
TIAA Board of Overseers
Overseers & Officers
Fiscal Year Ending December 31, 2016

Report Item 4: Insiders
(1), (2), (3)(a)(b)(c), and (4)(a)(b)(c)

		(1)			(2)	(3)(a)	(3)(b)	(3)(c)	(4)(a)	(4)(b)	(4)(c)
	Name	City, State	Country	Principal Occupation If Other Than With TIAA	Title & Position with TIAA	Title & Position with Subsidiaries (include names of subsidiaries)	Title & Position With Other Businesses (Include Names Of Other Businesses)	Percentage of Voting Shares in TIAA	Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)	List Names Of Other Companies (Includes Partnerships) If 25% Or More Of Voting Securities Are Held (List Names Of Companies And Percentage Of Voting Securities Held)	
3	Roger Walton Ferguson, Jr.	Washington, DC	USA	N/A	Member (TIAA Board of Overseers); President & Chief Executive Officer (TIAA); Trustee (TIAA Board of Trustees)	Chief Executive Officer, President and Manager (730 Holdings, LLC); Director (Covariance Capital Management, Inc.)	President & Chief Executive Officer (College Retirement Equity Funds); President & Chief Executive Officer (TIAA Separate Account VA-1); Member of Ad Hoc Committee on Regulation (American Council of Life Insurers ("ACLI")); Fellow (Commission on the Humanities and Social Sciences, American Academy of Arts & Sciences); Co-Chair & Member (Commission on the Future of Undergraduate Education, American Academy of Arts & Sciences); Member (Brevan Howard Asset Management LLP Advisory Board, to December 2016); Member (Business-Higher Education Forum (BHEF), to June 2016); Member (Council on Foreign Relations (CFR)); Member (Economic Club of New York); Member (Group of Thirty); Board of Trustees (Institute for Advanced Study); Compensation Committee Chair & Board Member (International Flavors and Fragrances (IFF)); Board of Directors (Math for America, to January 2016); Board of Overseers (Memorial Sloan-Kettering Cancer Center); Board of Directors (Partnership for NYC, to May 2016); Board member (General Mills); Board of Trustees and Chairman (The Conference Board); Board of Directors (Alphabet Inc.); Member (American Philosophical Society); Board of Directors (ACLI, to April 2016)	None	None	Black Heritage Network	
4	Cleve Lee Killingsworth	Hemlock, NY	USA	Retired	Member (TIAA Board of Overseers)	N/A	Faculty member (Harvard School of Public Health); Board member (The Travelers Companies, Inc.); Board member (MITRE Corporation); Trustee (Nazareth College); Founding member (The Executive Leadership Council)	None	None	N/A	
5	Michael Steven McPherson	Chicago, IL	USA	CEO and President (The Spencer Foundation)	President and Member (TIAA Board of Overseers)	N/A	CEO and President (The Spencer Foundation); Executive planning board (Project Pericles); Trustee (McNally Smith College of Music); Member of the board (Forum for the Future of Higher Education)	None	None	N/A	

Form FR Y-6
TIAA Board of Overseers
Overseers & Officers
Fiscal Year Ending December 31, 2016

Report Item 4: Insiders
(1), (2), (3)(a)(b)(c), and (4)(a)(b)(c)

	(1)			(2)	(3)(a)	(3)(b)	(3)(c)	(4)(a)	(4)(b)	(4)(c)
	Name	City, State	Country	Principal Occupation If Other Than With TIAA	Title & Position with TIAA	Title & Position with Subsidiaries (include names of subsidiaries)	Title & Position With Other Businesses (Include Names Of Other Businesses)	Percentage of Voting Shares in TIAA	Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)	List Names Of Other Companies (Includes Partnerships) If 25% Or More Of Voting Securities Are Held (List Names Of Companies And Percentage Of Voting Securities Held)
6	Keith Morgan	Scarsdale, NY	USA	N/A	Executive Vice President (TIAA Board of Overseers); Senior Executive Vice President and Chief Legal Officer (TIAA)	Board of Managers (TIAA Global Asset Management LLC)	Executive Vice President, Chief Legal Officer (College Retirement Equities Fund); Executive Vice President, Chief Legal Officer (TIAA Separate Account VA-1 (VA-1)); Executive Vice President, Chief Legal Officer (TIAA-CREF Funds); Executive Vice President, Chief Legal Officer (TIAA-CREF Life Funds); Trustee (Chair Finance Committee, The Masters School)	None	None	N/A
7	Alair Ane Townsend	New York, NY	USA		Member (TIAA Board of Overseers)	N/A	Chair (The David H. Koch Theater); Chair & Board member (The Greater New York Councils of the Boy Scouts of America); Board member (The Scouts' Northeast Region Board); Non-fiduciary member (M&T Bank's NYC Area Advisory Board); Board member (Gibney Dance); Board member (The Citizens Budget Commission); Board member (Lincoln Center for the Performing Arts); Board member (The New York City Independent Budget Office's Advisory Board); Board of Overseers (The Rockefeller Institute of Government); (The Public Policy Institute of the Business Council of New York State)	None	None	N/A
8	Virginia Mary Wilson	New York, NY	USA	N/A	Executive Vice President (TIAA Board of Overseers); Senior Executive Vice President & Chief Financial Officer (TIAA)	Director, Executive Vice President & Chief Financial Officer (TCT Holdings, Inc.); Executive Vice President (TIAA Asset Management Finance Company, LLC); Board of Managers, Executive Vice President (TIAA Global Asset Management LLC); Executive Vice President (TIAA-CREF Asset Management LLC); Executive Vice President & Chief Financial Officer (TIAA Global Equity Income, LLC); Manager and Executive Vice President, Chief Financial Officer (TIAA-CREF Redwood, LLC); Executive Vice President (Nuveen Holdings 1, Inc.)	Executive Vice President & Chief Financial Officer & Principal Accounting Officer (College Retirement Equities Fund); Director (Los Angeles Child Guidance Clinic); Trustee and Vice Chair (Catholic Charities New York); Director (Conduent Incorporated)	None	None	Trusts established for my immediate family's estate planning purposes.

Form FR Y-6
Teachers Insurance and Annuity Association of America ("TIAA")
TIAA Board of Trustees and Executive Management
Fiscal Year Ending December 31, 2016

Report Item 4: Insiders
(1), (2), (3)(a)(b)(c), and (4)(a)(b)(c)

	(1)			(2)	(3)(a)	(3)(b)	(3)(c)	(4)(a)	(4)(b)	(4)(c)
	Name	City, State	Country	Principal Occupation If Other Than With TIAA	Title & Position with TIAA	Title & Position with Subsidiaries (include names of subsidiaries)	Title & Position With Other Businesses (Include Names Of Other Businesses)	Percentage of Voting Shares in TIAA	Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)	List Names Of Other Companies (Includes Partnerships) If 25% Or More Of Voting Securities Are Held (List Names Of Companies And Percentage Of Voting Securities Held)
1	Kathie Jane Andrade	Barrington, RI	USA	N/A	Senior Executive Vice President, CEO of Retail Financial Services (TIAA)	Chairman of the Board, Director and President, TCT Holdings, Inc.; Chairman of the Board, TIAA-CREF Trust Company, FSB; Chairman of the Board, Chief Executive Officer and President, Manager (TIAA-CREF Individual and Institutional Services, LLC)	N/A	None	None	N/A
2	Jeffrey Robert Brown	Champaign, IL	USA	Dean (College of Business at University of Illinois Urbana-Champaign)	Trustee (TIAA Board of Trustees); Research Fellow, TIAA-CREF Institute	N/A	Josef and Margot Lakonishok Professor of Business and Dean (College of Business at University of Illinois Urbana-Champaign); Karnes Professor of Finance and Director, Center for Business and Public Policy, Research, teaching and public engagement (University of Illinois, Karnes); Research Associate (National Bureau of Economic Research); Associate Director (NBER Retirement Research Center); Consultant, Economic consulting (Jeffrey R. Brown Consulting); Manager (LLB Ventures LLC); Independent consultant (NISA Investment Advisors); Consultant (American Council of Life Insurers); Board Member (Center for Audit Quality); Manager (UI Singapore Research, LLC)	None	None	Hold voting control of LLB Ventures LLC, a single owner LLC with a minority ownership stake of two other LLCs which, in turn, own rental property in Central Illinois.
3	Roger Walton Ferguson, Jr.	Washington, DC	USA	N/A	Member (TIAA Board of Overseers); President & Chief Executive Officer (TIAA); Trustee (TIAA Board of Trustees)	Chief Executive Officer, President and Manager (730 Holdings, LLC); Director (Covariance Capital Management, Inc.)	President & Chief Executive Officer (College Retirement Equity Funds); President & Chief Executive Officer (TIAA Separate Account VA-1); Member of Ad Hoc Committee on Regulation (American Council of Life Insurers ("ACLIF")); Fellow (Commission on the Humanities and Social Sciences, American Academy of Arts & Sciences); Co-Chair & Member (Commission on the Future of Undergraduate Education, American Academy of Arts & Sciences); Member (Brevan Howard Asset Management LLP Advisory Board, to December 2016); Member (Business-Higher Education Forum (BHEF), to June 2016); Member (Council on Foreign Relations (CFR)); Member (Economic Club of New York); Member (Group of Thirty); Board of Trustees (Institute for Advanced Study); Compensation Committee Chair & Board Member (International Flavors and Fragrances (IFF)); Board of Directors (Math for America, to January 2016); Board of Overseers (Memorial Sloan-Kettering Cancer Center); Board of Directors (Partnership for NYC, to May 2016); Board member (General Mills); Board of Trustees and Chairman (The Conference Board); Board of Directors (Alphabet Inc.); Member (American Philosophical Society); Board of Directors (ACLI, to April 2016)	None	None	Black Heritage Network

Form FR Y-6
Teachers Insurance and Annuity Association of America ("TIAA")
TIAA Board of Trustees and Executive Management
Fiscal Year Ending December 31, 2016

Report Item 4: Insiders
(1), (2), (3)(a)(b)(c), and (4)(a)(b)(c)

	(1)			(2)	(3)(a)	(3)(b)	(3)(c)	(4)(a)	(4)(b)	(4)(c)
	Name	City, State	Country	Principal Occupation If Other Than With TIAA	Title & Position with TIAA	Title & Position with Subsidiaries (include names of subsidiaries)	Title & Position With Other Businesses (Include Names Of Other Businesses)	Percentage of Voting Shares in TIAA	Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)	List Names Of Other Companies (Includes Partnerships) If 25% Or More Of Voting Securities Are Held (List Names Of Companies And Percentage Of Voting Securities Held)
4	Stephen Barry Gruppo	Darien, CT	USA	N/A	Senior Executive Vice President, Chief Risk Officer (TIAA)	Executive Vice President (TIAA-CREF Alternative Services, LLC); Executive Vice President (TIAA Asset Management Finance Company, LLC); Executive Vice President (TIAA-CREF Investment Management, LLC); Executive Vice President (Nuveen Holdings 1, Inc.); Manager (TIAA Global Asset Management LLC)	Executive Vice President (College Retirement Equity Funds); Executive Vice President (TIAA-CREF Funds); Executive Vice President (TIAA-CREF Life Funds); Executive Vice President (TIAA Separate Account VA-1 (VA-1))	None	None	N/A
5	Lisa Wolfson Hess	New York, NY	USA	President & Managing Partner (SkyTop Capital Management LLC)	Trustee (TIAA Board of Trustees)	Director (TIAA-CREF Trust Company, FSB); Director (Covariance Capital Management, Inc.)	President & Managing Partner (SkyTop Capital); Director (Radian Group, Inc); Trustee (The Pomfret School); Trustee (The Chapin School); Trustee (The WT Grant Foundation); Trustee (Richard W. Wolfson Family Foundation)	None	None	Own and control 100 % of Wolfson Investment Partners, Inc. - the General Partner of Wolfson Investment Partners, which is a family investment vehicle; Control 51 percent of that family investment vehicle as a limited partner; Own 25% of SkyTop Capital Management, a hedge fund.
6	Edward Mark Hundert	Brookline, MA	USA	Dean for Medical Education (Harvard Medical School); Professor in Residence of Global Health and Social Medicine and Medical Education (Harvard Medical School)	Trustee (TIAA Board of Trustees)	N/A	Dean for Medical Education (Harvard Medical School, as Dean for Medical Education at Harvard Medical School, I automatically serve as co- chair of the board of trustees of the Carl J. Shapiro Institute for Education and Research at Harvard Medical School and Beth Israel Deaconess Medical Center); Daniel D. Federman, M.D. Professor in Residence of Global Health and Social Medicine and Medical Education (Harvard Medical School); "Faculty" of the Massachusetts General Hospital Center for Law, Brain and Behavior	None	None	N/A

Form FR Y-6
Teachers Insurance and Annuity Association of America ("TIAA")
TIAA Board of Trustees and Executive Management
Fiscal Year Ending December 31, 2016

Report Item 4: Insiders
(1), (2), (3)(a)(b)(c), and (4)(a)(b)(c)

	(1)			(2)	(3)(a)	(3)(b)	(3)(c)	(4)(a)	(4)(b)	(4)(c)
	Name	City, State	Country	Principal Occupation If Other Than With TIAA	Title & Position with TIAA	Title & Position with Subsidiaries (include names of subsidiaries)	Title & Position With Other Businesses (Include Names Of Other Businesses)	Percentage of Voting Shares in TIAA	Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)	List Names Of Other Companies (Includes Partnerships) If 25% Or More Of Voting Securities Are Held (List Names Of Companies And Percentage Of Voting Securities Held)
7	Robert Graham Leary	Greenwich, CT	USA	N/A	Senior Executive Vice President, CEO of TIAA Global Asset Management (TIAA)	Chairman (Nuveen Holdings, Inc.); CEO (Nuveen) President and Chief Executive Officer (Nuveen Holdings 1, Inc.); Lead Director (Nuveen Investments, Inc.); Senior Executive Vice President (Nuveen Securities, LLC); Chairman, President and Chief Executive Officer (Teachers Advisors, LLC); President and Chief Executive Officer (TIAA Alternative Holdings, LLC.); President and Chief Executive Officer (TIAA Asset Management Finance Company, LLC.); Board of Managers, President and Chief Executive Officer (TIAA Global Asset Management, LLC); Director (TIAA Henderson Real Estate Limited); President and Chairman (TIAA-CREF Asset Management, LLC); Chairman, President and Chief Executive Officer (TIAA-CREF Investment Management, LLC); Chairman of the Board, President and Chief Executive Officer (Teachers Personal Investors Services, Inc.); President and Chief Executive Officer (TIAA-CREF Asset Management LLC); Director (TCAM Global UK Limited); Director (TIAA International Holdings 1 Ltd); Director (TIAA International Holdings 2 Ltd); Director (TIAA International Holdings 3 Ltd)	Principal Executive Officer and Executive Vice President (College Retirement Equity Funds); Principal Executive Officer and President (TIAA-CREF Funds); Principal Executive Officer and President (TIAA-CREF Life Funds); Principal Executive Officer and Executive Vice President (TIAA Separate Account VA-1 (VA-1)); Executive Vice President (TIAA-CREF Fund Complex); Director (Intact Financial Corporation); Board of Governors (member Audit and Risk Committees, Investment Company Institute)	None	None	N/A
8	Lawrence Howard Linden	New York, NY	USA	Founder and Trustee (Linden Trust for Conservation)	Trustee (TIAA Board of Trustees)	N/A	Founder and Trustee (Linden Trust for Conservation, New York, NY); Advisory Director (Redstone Strategy Group); Member of Strategic Advisory Board (New World Capital Group); (Resources for the Future); Board Member (World Wildlife Fund)	None	None	N/A
9	Maureen O'Hara	Lansing, NY	USA, Ireland	College professor	Trustee (TIAA Board of Trustees)	N/A	R.W. Purcell Professor of Finance (Johnson Graduate School of Management, Cornell University); Professor of Finance (University of Technology Sydney); Director (NewStar Financial Corporation (News)); Chair of the board (Investment Technology Group, Inc., to January 2016); Member of the board (Investment Technology Group, Inc.); Advisor (Symbiont); (SEC Equity Market Structure Advisory Committee)	None	None	N/A
10	Donald Kent Peterson	Naples, FL	USA	Retired	Trustee (TIAA Board of Trustees)	Board of directors (TIAA-CREF Trust Company, FSB)	Member of the Board (Sanford C. Bernstein Fund); Member of the Board (Bernstein Fund); Trustee Emeritus (Worcester Polytechnic Institute); Member of the Committee (Economic Development, Policy and Impact Committee); Investor with advisory role but not controlling partner (Shift Networks, LLC)	None	None	Peterson Family Foundation; Janine M Peterson 2008 Trust; Daniel T Peterson 2008 Trust; DLTLLC; Doncha936LLC; Doncha936 LLC; UBA-DC Team LLC

Form FR Y-6
Teachers Insurance and Annuity Association of America ("TIAA")
TIAA Board of Trustees and Executive Management
Fiscal Year Ending December 31, 2016

Report Item 4: Insiders
(1), (2), (3)(a)(b)(c), and (4)(a)(b)(c)

	(1)			(2)	(3)(a)	(3)(b)	(3)(c)	(4)(a)	(4)(b)	(4)(c)
	Name	City, State	Country	Principal Occupation If Other Than With TIAA	Title & Position with TIAA	Title & Position with Subsidiaries (include names of subsidiaries)	Title & Position With Other Businesses (Include Names Of Other Businesses)	Percentage of Voting Shares in TIAA	Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)	List Names Of Other Companies (Includes Partnerships) If 25% Or More Of Voting Securities Are Held (List Names Of Companies And Percentage Of Voting Securities Held)
11	Ronald Richard Pressman	New York, NY	USA	N/A	Senior Executive Vice President (TIAA); Chief Executive Officer (Institutional Financial Services, TIAA)	Manager, Chief Executive Officer & President (TIAA-CREF Redwood, LLC); Director (Covariance Capital Management, Inc.)	Executive Vice President (College Retirement Equity Funds); Executive Vice President (TIAA Separate Account VA-1 (VA-1)); Executive Vice President (TIAA-CREF Funds); Executive Vice President (TIAA-CREF Life Funds); Director (Compensation and Investment Committees, Aspen Insurance Holdings, Ltd.); Trustee (Hamilton College); Director (American Council of Life Insurers)	None	None	N/A
12	Sidney Allen Ribeau	Bethesda, MD	USA	College Professor	Trustee (TIAA Board of Trustees)	N/A	Professor of Communications (Howard University); Member of the Board (Worthington Industries); Co-Founder (TM2 Education Search); Board (Worthington Industries); Board member (World Affairs Council – Washington, DC); Board member (Solution Generation)	None	None	N/A
13	Dorothy Kathryn Robinson	Branford, CT	USA	Counsel (K&L Gates LLP)	Trustee (TIAA Board of Trustees)	Board of directors (TIAA-CREF Trust Company, FSB)	Counsel (K&L Gates LLP); Trustee (Yale University Press, London, a UK registered charity); Director (Yale Southern Observatory, Inc., a nonprofit affiliate of Yale University, operates telescope in Argentina, dissolved in 2016); Trustee, Director (Youth Rights Media, Inc., a youth development organization, dissolved in 2016)	None	None	Trustee (along with other individuals) of certain family trusts
14	David Lloyd Shedralz	Bluffton, SC	USA	Retired	Trustee (TIAA Board of Trustees)	Trustee (TIAA-CREF Trust Company, FSB)	Director (Pitney Bowes); Director (Hershey Company); Director (Teladoc)	None	None	N/A
15	Otha Thomas Spriggs III	Alpharetta Ga	USA	N/A	Senior Executive Vice President, Chief Human Resources Officer (TIAA)	Director (TIAA-CREF Trust Company, FSB); Board of Managers (TIAA Global Asset Management LLC)	Executive Vice President (College Retirement Equity Funds); Executive Vice President (TIAA-CREF Funds); Executive Vice President (TIAA-CREF Life Funds); Executive Vice President (TIAA Separate Account VA-1 (VA-1))	None	None	N/A
16	Ronald Lurie Thompson	Charleston, SC	USA	Retired	Chairman (TIAA Board of Trustees)	N/A	Senior independent director (Fiat Chrysler Automobiles); Director (Medical University of South Carolina Foundation); Member of Advisory Board (Plymouth Ventures Partnership II) Trustee (Washington University in St. Louis)	None	None	N/A

Form FR Y-6

Teachers Insurance and Annuity Association of America ("TIAA")
TIAA Board of Trustees and Executive Management
Fiscal Year Ending December 31, 2016

Report Item 4: Insiders
(1), (2), (3)(a)(b)(c), and (4)(a)(b)(c)

	(1)			(2)	(3)(a)	(3)(b)	(3)(c)	(4)(a)	(4)(b)	(4)(c)
	Name	City, State	Country	Principal Occupation If Other Than With TIAA	Title & Position with TIAA	Title & Position with Subsidiaries (include names of subsidiaries)	Title & Position With Other Businesses (Include Names Of Other Businesses)	Percentage of Voting Shares in TIAA	Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)	List Names Of Other Companies (Includes Partnerships) If 25% Or More Of Voting Securities Are Held (List Names Of Companies And Percentage Of Voting Securities Held)
17	Marta Tienda	Lawrenceville, NJ	USA	College professor	Trustee (TIAA Board of Trustees)	N/A	The Maurice P. Daring '22 Professor in Demographic Studies (Princeton University); Trustee (Jacobs Foundation of Switzerland); Trustee (Alfred P. Sloan Foundation); Board member (Population Reference Bureau); Member (the National Academy of Education); Member (President's Advisory Commission on Educational Excellence for Hispanics, to 2016); Member of Advisory OCI Committee (The Mellon Foundation Our Compelling Interest); Commission member (U.S. Partnership on Mobility from Poverty); Margaret Olivia Sage Visiting Research Scholar (Russell Sage Foundation, to June 2016); Member (American Academy of Arts and Sciences); Member (American Academy of Political and Social Sciences); Fellow (American Institutes for Research); (American Education Research Association)	None	None	N/A
18	Constance Kruse Weaver	West Hartford, CT	USA	N/A	Senior Executive Vice President, Chief Marketing Officer (TIAA)	Director (Westchester Group Investment Management, Inc.);	Executive Vice President, College Retirement Equities Fund); Executive Vice President (TIAA Separate Account VA-1 (VA-1); Executive Vice President (TIAA-CREF Funds); Executive Vice President (TIAA-CREF Life Funds); Member and Board of Governors (Hartford Hospital); Trustee (University of St. Joseph); Advisory Board (Yale University, The Center for Customer Insights); (The Advertising Council); Board of Directors (University of Connecticut Foundation); Board of Directors (Development & Human Resources Committees, University of Connecticut Foundation); Board of Directors (Connecticut Women's Hall of Fame); Board of Directors (The Bushnell Theater, Chair, Marketing Committee); Board member (Make-A Wish)	None	None	N/A
19	Virginia Mary Wilson	New York, NY	USA	N/A	Executive Vice President (TIAA Board of Overseers); Senior Executive Vice President & Chief Financial Officer (TIAA)	Director, Executive Vice President & Chief Financial Officer (TCT Holdings, Inc.); Executive Vice President (TIAA Asset Management Finance Company, LLC); Board of Managers, Executive Vice President (TIAA Global Asset Management LLC); Executive Vice President (TIAA-CREF Asset Management LLC); Executive Vice President & Chief Financial Officer (TIAA Global Equity Income, LLC); Manager and Executive Vice President, Chief Financial Officer (TIAA-CREF Redwood, LLC); Executive Vice President (Nuveen Holdings 1, Inc.)	Executive Vice President & Chief Financial Officer & Principal Accounting Officer (College Retirement Equities Fund); Director (Los Angeles Child Guidance Clinic); Trustee and Vice Chair (Catholic Charities New York); Director (Conduent Incorporated)	None	None	Trusts established for my immediate family's estate planning purposes

Form FR Y-6
Teachers Insurance and Annuity Association of America ("TIAA")
TIAA Board of Trustees and Executive Management
Fiscal Year Ending December 31, 2016

Report Item 4: Insiders
(1), (2), (3)(a)(b)(c), and (4)(a)(b)(c)

	(1)			(2)	(3)(a)	(3)(b)	(3)(c)	(4)(a)	(4)(b)	(4)(c)
	Name	City, State	Country	Principal Occupation If Other Than With TIAA	Title & Position with TIAA	Title & Position with Subsidiaries (include names of subsidiaries)	Title & Position With Other Businesses (Include Names Of Other Businesses)	Percentage of Voting Shares in TIAA	Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)	List Names Of Other Companies (Includes Partnerships) If 25% Or More Of Voting Securities Are Held (List Names Of Companies And Percentage Of Voting Securities Held)
20	James Chambers	Mendham, NJ	USA	Special Advisor to the Board of Directors, Weight Watchers International, Inc., to December 2016)	Trustee (TIAA Board of Trustees)	N/A	Special Advisor to the Board of Directors (Weight Watchers International, Inc., to December 2016); Director (Big Lots, Inc.); Director and the President and Chief Executive Officer of (Weight Watchers International, Inc., to September 2016)	None	None	N/A
21	Kim Sharan	Bonita Springs, FL	USA	Founder and CEO (Kim M. Sharan, LLC)	Trustee (TIAA Board of Trustees)	N/A	Founder and CEO (Kim M. Sharan, LLC) Board member (Partner Here); Advisory Board member (Yext); Advisory Board member (Own The Room); National Board- Board of Directors (Girls Inc.); Member (Women's Forum New York and The Committee of 200)	None	None	N/A
22	Glenn Richter	Chicago, IL	USA	N/A	Senior Executive Vice President, Chief Administrative Officer (TIAA)	Executive Vice President, Chief Operating Officer (TIAA Global Asset Management); Chief Operating Officer (Nuveen Holdings 1, Inc.); Executive Vice President (Nuveen Holdings, Inc.); Director (Nuveen Investments, Inc.)	N/A	None	None	N/A
23	Keith Morgan	Scarsdale, NY	USA	N/A	Executive Vice President (TIAA Board of Overseers); Senior Executive Vice President and Chief Legal Officer (TIAA)	Board of Managers (TIAA Global Asset Management LLC)	Executive Vice President, Chief Legal Officer (College Retirement Equities Fund); Executive Vice President, Chief Legal Officer (TIAA Separate Account VA-1 (VA-1)); Executive Vice President, Chief Legal Officer (TIAA-CREF Funds); Executive Vice President, Chief Legal Officer (TIAA-CREF Life Funds); Trustee (The Masters School, Chair, Finance Committee)	None	None	N/A
24	Rahul Merchant	Scotch Plains, NJ	USA	N/A	Senior Executive Vice President, Chief Information Officer (TIAA)	Chief Executive Officer and President (TIAA GBS Holding LLC)	Managing Partner (Bhram LLC, NJ); (Emulex Co. (ELX: NYSE), Audit Committee, to 6/2016); Board of directors (Juniper Network, Audit Committee); Zapari - Privately held, NYC); Director (Altico Capital, Privately held, India)	None	None	N/A

Form FR Y-6
TCT Holdings, Inc.
Executives
Fiscal Year Ending December 31, 2016

Report Item 4: Insiders
(1), (2), (3)(a)(b)(c), and (4)(a)(b)(c)

(1)			(2)	(3)(a)	(3)(b)	(3)(c)	(4)(a)	(4)(b)	(4)(c)
Name	City, State	Country	Principal Occupation If Other Than With TCT Holdings, Inc.	Title & Position with TCT Holdings, Inc.	Title & Position with Subsidiaries (include names of subsidiaries)	Title & Position With Other Businesses (Include Names Of Other Businesses)	Percentage of Voting Shares in TCT Holdings, Inc.	Percentage of Voting Shares in Subsidiaries (include names of subsidiaries)	List Names Of Other Companies (Includes Partnerships) If 25% Or More Of Voting Securities Are Held (List Names Of Companies And Percentage Of Voting Securities Held)
Kathie Jane Andrade	Barrington, RI	USA	Senior Executive Vice President, Head of Individual Advisory Services (TIAA)	Chairman of the Board, Director & President,	Chairman of the Board, TIAA-CREF Trust Company, FSB; Chairman of the Board, Chief Executive Officer and President, Manager (TIAA-CREF Individual and Institutional Services, LLC)		None	None	N/A
Virginia M. Wilson	New York, NY	USA	Executive Vice President (TIAA Board of Overseers); Senior Executive Vice President & Chief Financial Officer (TIAA)	Director, Executive Vice President & Chief Financial Officer	Executive Vice President (TIAA Asset Management Finance Company, LLC); Board of Managers, Executive Vice President (TIAA Global Asset Management LLC); Executive Vice President (TIAA-CREF Asset Management LLC); Executive Vice President & Chief Financial Officer (TIAA Global Equity Income, LLC); Manager and Executive Vice President, Chief Financial Officer (TIAA-CREF Redwood, LLC); Executive Vice President (Nuveen Holdings 1, Inc.)	Executive Vice President & Chief Financial Officer & Principal Accounting Officer (College Retirement Equities Fund); Director (Los Angeles Child Guidance Clinic); Trustee and Vice Chair (Catholic Charities New York); Director (Conduent Incorporated)	None	None	Trusts established for my immediate family's estate planning purposes