

QUARTERLY STATEMENT

OF THE

TIAA-CREF LIFE INSURANCE COMPANY

TO THE

Insurance Department

OF THE

STATE OF

**FOR THE QUARTER ENDED
JUNE 30, 2020**

☒ **LIFE AND ACCIDENT AND HEALTH**

☐ **FRATERNAL BENEFIT SOCIETIES**

2020



LIFE, ACCIDENT AND HEALTH COMPANIES/FRATERNAL BENEFIT SOCIETIES - ASSOCIATION EDITION

QUARTERLY STATEMENT

AS OF JUNE 30, 2020

OF THE CONDITION AND AFFAIRS OF THE

TIAA-CREF Life Insurance Company

NAIC Group Code12161216NAIC Company Code60142Employer's ID Number13-3917848
(Current)(Prior)

Organized under the Laws ofNew York, State of Domicile or Port of EntryNY

Country of DomicileUnited States of America

Licensed as business type:Life, Accident and Health [X] Fraternal Benefit Societies []

Incorporated/Organized11/20/1996Commenced Business12/18/1996

Statutory Home Office730 Third AvenueNew York, NY, US 10017
(Street and Number)(City or Town, State, Country and Zip Code)

Main Administrative Office730 Third AvenueNew York, NY, US 10017212-490-9000
(Street and Number)(City or Town, State, Country and Zip Code)(Area Code) (Telephone Number)

Mail Address730 Third AvenueNew York, NY, US 10017
(Street and Number or P.O. Box)(City or Town, State, Country and Zip Code)

Primary Location of Books and Records730 Third AvenueNew York, NY, US 10017212-490-9000
(Street and Number)(City or Town, State, Country and Zip Code)(Area Code) (Telephone Number)

Internet Website Addressttaa.org

Statutory Statement ContactStacy Koon Eisenhower704-988-4560
(Name)(Area Code) (Telephone Number)

seisenhauer@tiaa.org704-988-4914
(E-mail Address)(FAX Number)

OFFICERS

President & Chief Executive Officer	William Gunnar Griesser	Vice President & Chief Financial Officer	Stacy Koon Eisenhower
Secretary	Mary Catherine Benedetto	Senior Vice President & Chief Actuary	Christine Ellen Dugan

OTHER

Jorge Claudio Gutierrez, Treasurer	Todd Richard Sagmoe, Vice President, Head of Insurance, Illustration Actuary
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DIRECTORS OR TRUSTEES

Rashmi Dilip Badwe	Christine Ellen Dugan	Bradley (NMN) Finkle
William Gunnar Griesser	Derek James Heaslip	Eric Thomas Jones
Meredith J. Kornreich	Christopher Antoine Van Buren	

State ofNew YorkSS:

County ofNew York

The officers of this reporting entity being duly sworn, each depose and say that they are the described officers of said reporting entity, and that on the reporting period stated above, all of the herein described assets were the absolute property of the said reporting entity, free and clear from any liens or claims thereon, except as herein stated, and that this statement, together with related exhibits, schedules and explanations therein contained, annexed or referred to, is a full and true statement of all the assets and liabilities and of the condition and affairs of the said reporting entity as of the reporting period stated above, and of its income and deductions therefrom for the period ended, and have been completed in accordance with the NAIC Annual Statement Instructions and Accounting Practices and Procedures manual except to the extent that: (1) state law may differ; or, (2) that state rules or regulations require differences in reporting not related to accounting practices and procedures, according to the best of their information, knowledge and belief, respectively. Furthermore, the scope of this attestation by the described officers also includes the related corresponding electronic filing with the NAIC, when required, that is an exact copy (except for formatting differences due to electronic filing) of the enclosed statement. The electronic filing may be requested by various regulators in lieu of or in addition to the enclosed statement.

William Gunnar Griesser President & Chief Executive Officer	Mary Catherine Benedetto Secretary	Stacy Koon Eisenhower Vice President & Chief Financial Officer

Subscribed and sworn to before me this day of

a. Is this an original filing? Yes [X] No []
b. If no,
1. State the amendment number.....
2. Date filed
3. Number of pages attached.....

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

ASSETS

	Current Statement Date			4 December 31 Prior Year Net Admitted Assets
	1 Assets	2 Nonadmitted Assets	3 Net Admitted Assets (Cols. 1 - 2)	
1. Bonds	10,718,247,698		10,718,247,698	8,666,132,869
2. Stocks:				
2.1 Preferred stocks	182,882		182,882	182,882
2.2 Common stocks				
3. Mortgage loans on real estate:				
3.1 First liens				
3.2 Other than first liens				
4. Real estate:				
4.1 Properties occupied by the company (less \$ encumbrances)				
4.2 Properties held for the production of income (less \$ encumbrances)				
4.3 Properties held for sale (less \$ encumbrances)				
5. Cash (\$12,875,411), cash equivalents (\$303,785,480) and short-term investments (\$2,809,582)	319,470,473		319,470,473	279,378,763
6. Contract loans (including \$ premium notes)	42,116,367		42,116,367	39,826,563
7. Derivatives				
8. Other invested assets	4,677,502		4,677,502	4,687,634
9. Receivables for securities	438,174		438,174	1,188
10. Securities lending reinvested collateral assets				
11. Aggregate write-ins for invested assets				
12. Subtotals, cash and invested assets (Lines 1 to 11)	11,085,133,096		11,085,133,096	8,990,209,899
13. Title plants less \$ charged off (for Title insurers only)				
14. Investment income due and accrued	84,641,727		84,641,727	75,394,328
15. Premiums and considerations:				
15.1 Uncollected premiums and agents' balances in the course of collection	3,230,980		3,230,980	2,002,582
15.2 Deferred premiums, agents' balances and installments booked but deferred and not yet due (including \$ earned but unbilled premiums)	54,238,985	34,610,847	19,628,138	19,881,357
15.3 Accrued retrospective premiums (\$) and contracts subject to redetermination (\$)				
16. Reinsurance:				
16.1 Amounts recoverable from reinsurers				5,285,289
16.2 Funds held by or deposited with reinsured companies				
16.3 Other amounts receivable under reinsurance contracts	3,429,349		3,429,349	3,315,706
17. Amounts receivable relating to uninsured plans				
18.1 Current federal and foreign income tax recoverable and interest thereon				
18.2 Net deferred tax asset	94,522,495	77,247,752	17,274,743	17,543,803
19. Guaranty funds receivable or on deposit	200,718		200,718	198,558
20. Electronic data processing equipment and software				
21. Furniture and equipment, including health care delivery assets (\$)				
22. Net adjustment in assets and liabilities due to foreign exchange rates				
23. Receivables from parent, subsidiaries and affiliates	253,231		253,231	
24. Health care (\$) and other amounts receivable				
25. Aggregate write-ins for other than invested assets	12,541,929	146,513	12,395,416	1,931,240
26. Total assets excluding Separate Accounts, Segregated Accounts and Protected Cell Accounts (Lines 12 to 25)	11,338,192,510	112,005,112	11,226,187,398	9,115,762,762
27. From Separate Accounts, Segregated Accounts and Protected Cell Accounts	3,484,442,401		3,484,442,401	4,022,073,351
28. Total (Lines 26 and 27)	14,822,634,911	112,005,112	14,710,629,799	13,137,836,113
DETAILS OF WRITE-INS				
1101.				
1102.				
1103.				
1198. Summary of remaining write-ins for Line 11 from overflow page				
1199. Totals (Lines 1101 through 1103 plus 1198)(Line 11 above)				
2501. Sundry receivables	12,541,929	146,513	12,395,416	1,931,240
2502.				
2503.				
2598. Summary of remaining write-ins for Line 25 from overflow page				
2599. Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	12,541,929	146,513	12,395,416	1,931,240

The failure of items to add to the totals shown throughout the statement is due to the rounding of figures to the nearest dollar.

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LIABILITIES, SURPLUS AND OTHER FUNDS

	1 Current Statement Date	2 December 31 Prior Year
1. Aggregate reserve for life contracts \$3,943,797,996 less \$ included in Line 6.3 (including \$254,201,748 Modco Reserve).....	3,943,797,996	3,932,799,458
2. Aggregate reserve for accident and health contracts (including \$ Modco Reserve).....		
3. Liability for deposit-type contracts (including \$ Modco Reserve).....	6,334,923,391	4,541,418,215
4. Contract claims:		
4.1 Life	10,612,719	12,393,682
4.2 Accident and health		
5. Policyholders' dividends/refunds to members \$ and coupons \$ due and unpaid		
6. Provision for policyholders' dividends, refunds to members and coupons payable in following calendar year - estimated amounts:		
6.1 Policyholders' dividends and refunds to members apportioned for payment (including \$ Modco)		
6.2 Policyholders' dividends and refunds to members not yet apportioned (including \$ Modco)		
6.3 Coupons and similar benefits (including \$ Modco).....		
7. Amount provisionally held for deferred dividend policies not included in Line 6		
8. Premiums and annuity considerations for life and accident and health contracts received in advance less \$ discount; including \$ accident and health premiums	244,530	142,794
9. Contract liabilities not included elsewhere:		
9.1 Surrender values on canceled contracts		
9.2 Provision for experience rating refunds, including the liability of \$ accident and health experience rating refunds of which \$ is for medical loss ratio rebate per the Public Health Service Act		
9.3 Other amounts payable on reinsurance, including \$ assumed and \$6,417,950 ceded	6,417,950	9,432,036
9.4 Interest Maintenance Reserve	23,355,480	16,159,895
10. Commissions to agents due or accrued-life and annuity contracts \$604,631 , accident and health \$ and deposit-type contract funds \$	604,631	637,854
11. Commissions and expense allowances payable on reinsurance assumed		
12. General expenses due or accrued		
13. Transfers to Separate Accounts due or accrued (net) (including \$(5,589,747) accrued for expense allowances recognized in reserves, net of reinsured allowances)	(6,324,698)	(9,668,516)
14. Taxes, licenses and fees due or accrued, excluding federal income taxes		
15.1 Current federal and foreign income taxes, including \$ on realized capital gains (losses)	3,740,403	3,222,991
15.2 Net deferred tax liability		
16. Unearned investment income		
17. Amounts withheld or retained by reporting entity as agent or trustee	760,564	950,213
18. Amounts held for agents' account, including \$ agents' credit balances		
19. Remittances and items not allocated	17,373,068	15,373,788
20. Net adjustment in assets and liabilities due to foreign exchange rates		
21. Liability for benefits for employees and agents if not included above		
22. Borrowed money \$ and interest thereon \$		
23. Dividends to stockholders declared and unpaid		
24. Miscellaneous liabilities:		
24.01 Asset valuation reserve	55,766,564	52,680,746
24.02 Reinsurance in unauthorized and certified (\$) companies	657,158	4,867,483
24.03 Funds held under reinsurance treaties with unauthorized and certified (\$) reinsurers		
24.04 Payable to parent, subsidiaries and affiliates	7,266,668	22,383,208
24.05 Drafts outstanding		
24.06 Liability for amounts held under uninsured plans		
24.07 Funds held under coinsurance		
24.08 Derivatives		
24.09 Payable for securities	283,952,975	15,198,043
24.10 Payable for securities lending		
24.11 Capital notes \$ and interest thereon \$		
25. Aggregate write-ins for liabilities	133,963	136,854
26. Total liabilities excluding Separate Accounts business (Lines 1 to 25)	10,683,283,362	8,618,128,744
27. From Separate Accounts Statement	3,472,541,393	4,009,170,763
28. Total liabilities (Lines 26 and 27)	14,155,824,755	12,627,299,507
29. Common capital stock	2,500,000	2,500,000
30. Preferred capital stock		
31. Aggregate write-ins for other than special surplus funds		
32. Surplus notes		
33. Gross paid in and contributed surplus	777,500,000	777,500,000
34. Aggregate write-ins for special surplus funds		
35. Unassigned funds (surplus)	(225,194,956)	(269,463,394)
36. Less treasury stock, at cost:		
36.1 shares common (value included in Line 29 \$)		
36.2 shares preferred (value included in Line 30 \$)		
37. Surplus (Total Lines 31+32+33+34+35-36) (including \$11,901,008 in Separate Accounts Statement)	552,305,044	508,036,606
38. Totals of Lines 29, 30 and 37	554,805,044	510,536,606
39. Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3)	14,710,629,799	13,137,836,113
DETAILS OF WRITE-INS		
2501. Miscellaneous liabilities	133,963	136,854
2502.		
2503.		
2598. Summary of remaining write-ins for Line 25 from overflow page		
2599. Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	133,963	136,854
3101.		
3102.		
3103.		
3198. Summary of remaining write-ins for Line 31 from overflow page		
3199. Totals (Lines 3101 through 3103 plus 3198)(Line 31 above)		
3401.		
3402.		
3403.		
3498. Summary of remaining write-ins for Line 34 from overflow page		
3499. Totals (Lines 3401 through 3403 plus 3498)(Line 34 above)		

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SUMMARY OF OPERATIONS

	1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
1. Premiums and annuity considerations for life and accident and health contracts	195,101,901	296,615,267	624,464,607
2. Considerations for supplementary contracts with life contingencies	875,997	880,523	2,435,429
3. Net investment income	166,519,362	149,582,049	304,807,739
4. Amortization of Interest Maintenance Reserve (IMR)	701,173	478,232	1,300,665
5. Separate Accounts net gain from operations excluding unrealized gains or losses	40,036	(133,254)	445,938
6. Commissions and expense allowances on reinsurance ceded	5,565,403	7,811,416	15,728,677
7. Reserve adjustments on reinsurance ceded	(7,164,873)	2,457,580	6,028,568
8. Miscellaneous Income:			
8.1 Income from fees associated with investment management, administration and contract guarantees from Separate Accounts	9,219,143	12,491,958	23,636,199
8.2 Charges and fees for deposit-type contracts			
8.3 Aggregate write-ins for miscellaneous income	145,188	96,897	372,547
9. Totals (Lines 1 to 8.3)	371,003,330	470,280,668	979,220,369
10. Death benefits	13,129,546	11,398,532	26,255,488
11. Matured endowments (excluding guaranteed annual pure endowments)			
12. Annuity benefits	34,686,359	30,802,651	84,104,087
13. Disability benefits and benefits under accident and health contracts	190,167	198,622	387,206
14. Coupons, guaranteed annual pure endowments and similar benefits			
15. Surrender benefits and withdrawals for life contracts	103,549,672	124,592,914	221,280,777
16. Group conversions			
17. Interest and adjustments on contract or deposit-type contract funds	50,549,628	40,084,933	83,936,368
18. Payments on supplementary contracts with life contingencies	262,769	194,955	451,343
19. Increase in aggregate reserves for life and accident and health contracts	10,998,539	89,833,181	400,596,630
20. Totals (Lines 10 to 19)	213,366,680	297,105,788	817,011,899
21. Commissions on premiums, annuity considerations, and deposit-type contract funds (direct business only)	3,623,918	9,922,209	18,918,735
22. Commissions and expense allowances on reinsurance assumed			
23. General insurance expenses and fraternal expenses	30,640,331	66,036,451	136,257,575
24. Insurance taxes, licenses and fees, excluding federal income taxes	3,062,326	9,246,974	12,022,931
25. Increase in loading on deferred and uncollected premiums	673,824	1,351,865	(192,465)
26. Net transfers to or (from) Separate Accounts net of reinsurance	36,051,040	67,604,285	140,213,459
27. Aggregate write-ins for deductions	31,020,356	14,311,667	49,746,363
28. Totals (Lines 20 to 27)	318,438,475	465,579,239	1,173,978,497
29. Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus Line 28)	52,564,855	4,701,429	(194,758,128)
30. Dividends to policyholders and refunds to members			
31. Net gain from operations after dividends to policyholders, refunds to members and before federal income taxes (Line 29 minus Line 30)	52,564,855	4,701,429	(194,758,128)
32. Federal and foreign income taxes incurred (excluding tax on capital gains)	8,385,672	4,088,561	3,653,250
33. Net gain from operations after dividends to policyholders, refunds to members and federal income taxes and before realized capital gains or (losses) (Line 31 minus Line 32)	44,179,183	612,868	(198,411,378)
34. Net realized capital gains (losses) (excluding gains (losses) transferred to the IMR) less capital gains tax of \$(1,859,263) (excluding taxes of \$2,099,138	(1,472,811)	2,227,065	(9,371,244)
35. Net income (Line 33 plus Line 34)	42,706,372	2,839,933	(207,782,622)
CAPITAL AND SURPLUS ACCOUNT			
36. Capital and surplus, December 31, prior year	510,536,606	500,883,927	500,883,927
37. Net income (Line 35)	42,706,372	2,839,933	(207,782,622)
38. Change in net unrealized capital gains (losses) less capital gains tax of \$			
39. Change in net unrealized foreign exchange capital gain (loss)			
40. Change in net deferred income tax	(2,683,981)	822,426	49,275,590
41. Change in nonadmitted assets	4,163,156	930,346	(47,649,399)
42. Change in liability for reinsurance in unauthorized and certified companies	4,210,325	2,835,938	(1,575,060)
43. Change in reserve on account of change in valuation basis, (increase) or decrease			
44. Change in asset valuation reserve	(3,085,818)	(3,889,600)	(194,306)
45. Change in treasury stock			
46. Surplus (contributed to) withdrawn from Separate Accounts during period			
47. Other changes in surplus in Separate Accounts Statement	(1,041,616)	502,692	(2,421,524)
48. Change in surplus notes			
49. Cumulative effect of changes in accounting principles			
50. Capital changes:			
50.1 Paid in			
50.2 Transferred from surplus (Stock Dividend)			
50.3 Transferred to surplus			
51. Surplus adjustment:			
51.1 Paid in			220,000,000
51.2 Transferred to capital (Stock Dividend)			
51.3 Transferred from capital			
51.4 Change in surplus as a result of reinsurance			
52. Dividends to stockholders			
53. Aggregate write-ins for gains and losses in surplus			
54. Net change in capital and surplus for the year (Lines 37 through 53)	44,268,438	4,041,735	9,652,679
55. Capital and surplus, as of statement date (Lines 36 + 54)	554,805,044	504,925,662	510,536,606
DETAILS OF WRITE-INS			
08.301. Miscellaneous income	145,188	96,897	372,547
08.302.			
08.303.			
08.398. Summary of remaining write-ins for Line 8.3 from overflow page			
08.399. Totals (Lines 08.301 through 08.303 plus 08.398) (Line 8.3 above)	145,188	96,897	372,547
2701. Miscellaneous deductions	31,020,356	14,311,667	49,746,363
2702.			
2703.			
2798. Summary of remaining write-ins for Line 27 from overflow page			
2799. Totals (Lines 2701 through 2703 plus 2798)(Line 27 above)	31,020,356	14,311,667	49,746,363
5301.			
5302.			
5303.			
5398. Summary of remaining write-ins for Line 53 from overflow page			
5399. Totals (Lines 5301 through 5303 plus 5398)(Line 53 above)			

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

CASH FLOW

	1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
Cash from Operations			
1. Premiums collected net of reinsurance	193,308,846	291,016,119	619,202,864
2. Net investment income	157,935,135	144,399,265	298,579,800
3. Miscellaneous income	15,305,674	23,895,914	41,852,657
4. Total (Lines 1 to 3)	366,549,655	459,311,298	959,635,321
5. Benefit and loss related payments	187,239,751	174,561,183	375,874,951
6. Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts	32,711,898	67,247,229	141,796,671
7. Commissions, expenses paid and aggregate write-ins for deductions	37,344,556	84,961,909	167,401,528
8. Dividends paid to policyholders			
9. Federal and foreign income taxes paid (recovered) net of \$ 2,800,996 tax on capital gains (losses)	8,108,135	3,357,193	1,047,023
10. Total (Lines 5 through 9)	265,404,340	330,127,514	686,120,173
11. Net cash from operations (Line 4 minus Line 10)	101,145,315	129,183,784	273,515,148
Cash from Investments			
12. Proceeds from investments sold, matured or repaid:			
12.1 Bonds	422,896,851	373,099,115	874,143,206
12.2 Stocks			
12.3 Mortgage loans			
12.4 Real estate			
12.5 Other invested assets			
12.6 Net gains or (losses) on cash, cash equivalents and short-term investments	10,358	139	566
12.7 Miscellaneous proceeds	268,754,932	36,887,522	15,198,043
12.8 Total investment proceeds (Lines 12.1 to 12.7)	691,662,141	409,986,776	889,341,815
13. Cost of investments acquired (long-term only):			
13.1 Bonds	2,469,011,248	913,696,656	1,626,570,527
13.2 Stocks			
13.3 Mortgage loans			
13.4 Real estate			
13.5 Other invested assets			
13.6 Miscellaneous applications	436,986	493,403	1,188
13.7 Total investments acquired (Lines 13.1 to 13.6)	2,469,448,234	914,190,059	1,626,571,715
14. Net increase (or decrease) in contract loans and premium notes	2,289,804	3,593,365	6,055,199
15. Net cash from investments (Line 12.8 minus Line 13.7 and Line 14)	(1,780,075,897)	(507,796,648)	(743,285,099)
Cash from Financing and Miscellaneous Sources			
16. Cash provided (applied):			
16.1 Surplus notes, capital notes			
16.2 Capital and paid in surplus, less treasury stock			220,000,000
16.3 Borrowed funds			
16.4 Net deposits on deposit-type contracts and other insurance liabilities	1,743,193,766	313,940,069	353,547,131
16.5 Dividends to stockholders			
16.6 Other cash provided (applied)	(24,171,474)	(6,997,809)	3,848,317
17. Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5 plus Line 16.6)	1,719,022,292	306,942,260	577,395,448
RECONCILIATION OF CASH, CASH EQUIVALENTS AND SHORT-TERM INVESTMENTS			
18. Net change in cash, cash equivalents and short-term investments (Line 11, plus Lines 15 and 17)	40,091,710	(71,670,604)	107,625,497
19. Cash, cash equivalents and short-term investments:			
19.1 Beginning of year	279,378,763	171,753,266	171,753,266
19.2 End of period (Line 18 plus Line 19.1)	319,470,473	100,082,662	279,378,763

Note: Supplemental disclosures of cash flow information for non-cash transactions:

20.0001. Security exchanges	80,991,832	69,730,993	148,047,155
20.0002. Capitalized interest on bonds	1,425,653	1,184,542	2,461,425
20.0003. Interest credited on deposit type contracts	50,743,127	40,096,902	83,808,030

EXHIBIT 1

DIRECT PREMIUMS AND DEPOSIT-TYPE CONTRACTS			
	1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
1. Industrial life			
2. Ordinary life insurance	103,460,200	170,766,407	364,581,453
3. Ordinary individual annuities	109,021,533	137,323,711	290,267,364
4. Credit life (group and individual)			
5. Group life insurance	23,395,462	36,250,581	66,149,664
6. Group annuities			
7. A & H - group			
8. A & H - credit (group and individual)			
9. A & H - other	3,471,367	3,451,979	6,925,103
10. Aggregate of all other lines of business			
11. Subtotal (Lines 1 through 10)	239,348,562	347,792,678	727,923,584
12. Fraternal (Fraternal Benefit Societies Only)			
13. Subtotal (Lines 11 through 12)	239,348,562	347,792,678	727,923,584
14. Deposit-type contracts	3,171,599,185	679,917,259	1,411,321,808
15. Total (Lines 13 and 14)	3,410,947,747	1,027,709,937	2,139,245,392
DETAILS OF WRITE-INS			
1001.			
1002.			
1003.			
1098. Summary of remaining write-ins for Line 10 from overflow page			
1099. Totals (Lines 1001 through 1003 plus 1098)(Line 10 above)			

NOTES TO FINANCIAL STATEMENTS

1. Summary of Significant Accounting Policies and Going Concern

A. Accounting Principles

The financial statements of TIAA-CREF Life Insurance Company (“TC Life” or the “Company”) have been presented on the basis of statutory accounting principles prescribed or permitted by the New York State Department of Financial Services (the “Department”). The Department requires insurance companies domiciled in the State of New York to prepare their statutory basis financial statements in accordance with the National Association of Insurance Commissioners’ (“NAIC”) *Accounting Practices and Procedures Manual* (“NAIC SAP”), subject to any deviation prescribed or permitted by the Department (“New York SAP”).

A reconciliation of the Company’s income and capital and surplus between NAIC SAP and practices prescribed or permitted by the State of New York is shown below:

	SSAP#	F/S Page	F/S Line	06/30/2020	12/31/2019
Net Income (loss), New York SAP.....				\$ 42,706,372	\$ (207,782,622)
New York SAP Prescribed Practices that are an increase/(decrease) from NAIC SAP:					
Additional Reserves for Term Conversions.....	51R	4	19	300,987	(1,380,307)
Net Income (loss), NAIC SAP.....				<u>\$ 42,405,385</u>	<u>\$ (206,402,315)</u>
Capital and Surplus, New York SAP.....				\$ 554,805,044	\$ 510,536,606
New York SAP Prescribed Practices that are an increase/(decrease) from NAIC SAP:					
Deferred Premium Asset Limitation.....	51R, 61R	2	15.2	(781,694)	(466,122)
Book Value Separate Account Assets.....	56	2	27	—	(6,844,749)
Book Value Separate Account Liabilities.....	56	3	27	—	8,413,748
Additional Reserves for Term Conversions.....	51R	3	1	<u>(6,813,205)</u>	<u>(7,114,192)</u>
Capital and Surplus, NAIC SAP.....				<u>\$ 562,399,943</u>	<u>\$ 516,547,921</u>

The deferred premium asset limitation results from the NYSDFS Circular Letter No. 11 (2010), which prescribed the calculation and clarified the accounting for deferred premium assets when reinsurance is involved.

The Stable Value Separate Account ("SVSA") products were accounted for at book value in accordance with New York Insurance Law (“NYIL”) Section 1414. The separate account liabilities for the benefits guaranteed under the contracts were carried at contract book value in accordance with NYIL section 4217, DFS Regulation No. 151. During the quarter ended March 31, 2020, the contract backed by the Stable Value Separate Account-3 was terminated, the market value of the account was distributed, the liabilities were settled and the account was closed. As of March 31, 2020, there were no remaining balances within the SVSA product.

The additional reserve for the term conversions results from the Department requiring in Regulation No. 147 (11NYCRR 98) Valuation of Life Insurance Reserves Section 98.4 for any policy which guarantees renewal, or conversion to another policy, without evidence of insurability, additional reserves shall be held that account for excess mortality due to anti-selection with appropriate margins to cover expenses and risk of moderately adverse deviations in experience.

The Company's risk based capital as of June 30, 2020 and December 31, 2019 would not have triggered a regulatory event without the use of the New York SAP prescribed practices.

B. Use of Estimates in Preparation of the Financial Statements

The preparation of the Company's statutory financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities. It also requires disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expense during the period. Actual results may differ from those estimates.

The outbreak of the novel coronavirus (“COVID-19”) and subsequent global pandemic began significantly impacting the U.S. and global financial markets and economies during March 2020. The worldwide spread of COVID-19 has created significant uncertainty in the global economy. The duration and extent of COVID-19 over the long-term cannot be reasonably estimated at this time. There have been no comparable recent events that provide guidance as to the effect the spread of COVID-19 as a global pandemic may have on the Company's financial performance. The ultimate impact of COVID-19 and the extent to which COVID-19 impacts the Company's business, results of operations, investments, and cash flows will depend on future developments, which are highly uncertain and difficult to predict.

NOTES TO FINANCIAL STATEMENTS**C. Accounting Policy**

- (1) No material change
- (2) Not applicable
- (3) - (5) No material change
- (6) Included within bonds are loan-backed and structured securities. Estimated future cash flows and expected prepayment speeds are used to determine the amortization of loan-backed and structured securities under the prospective method. Expected future cash flows and prepayment speeds are evaluated quarterly. Certain loan-backed and structured securities are reported at the lower of amortized cost or fair value as a result of the NAIC modeling process.

For loan-backed and structured securities, which the Company has the intent and ability to hold for a period of time sufficient to recover the amortized cost basis, when an other-than-temporary impairment ("OTTI") has occurred because the Company does not expect to recover the entire amortized cost basis of the security, the amount of the OTTI recognized as a realized loss is the difference between the security's amortized cost basis and the present value of cash flows expected to be collected, discounted at the loan-backed or structured security's effective interest rate.

For loan-backed and structured securities, when an OTTI has occurred because the Company intends to sell the security or the Company does not have the intent and ability to retain the security for a period of time sufficient to recover the amortized cost basis, the amount of the OTTI realized is the difference between the security's amortized cost basis and fair value at the balance sheet date.

In periods subsequent to the recognition of an OTTI loss for a loan-backed or structured security, the Company accounts for the other-than-temporarily impaired security as if the security had been purchased on the measurement date of the impairment. The difference between the new amortized cost basis and the cash flows expected to be collected is accreted as interest income in future periods based on prospective changes in cash flow estimates.

- (7) - (13) No material change

D. Going Concern

The Company does not have any doubt about its ability to continue as a going concern. In addition, the Company has a financial support agreement with its parent, Teachers Insurance and Annuity Association of America ("TIAA"). Under this agreement, TIAA will provide support so the Company will have the greater of (a) capital and surplus of \$250,000,000, (b) the amount of capital and surplus necessary to maintain the Company's capital and surplus at a level not less than 150% of the NAIC Risk Based Capital model or (c) such other amount as necessary to maintain the Company's financial strength rating at least the same as TIAA's rating at all times. This agreement is not an evidence of indebtedness or an obligation or liability of TIAA and does not provide any creditor of the Company with recourse to TIAA.

2. Accounting Changes and Corrections of Errors

No material change

3. Business Combinations and Goodwill

Not applicable

4. Discontinued Operations

Not applicable

5. Investments**A. Mortgage Loans**

Not applicable

B. Debt Restructuring

Not applicable

C. Reverse Mortgages

Not applicable

NOTES TO FINANCIAL STATEMENTS

D. Loan-Backed Securities

- (1) The near-term prepayment assumptions for loan-backed and structured securities are based on historical averages drawing from performance experience for a particular transaction and may vary by security type. The long-term assumptions are adjusted based on expected performance.
- (2) For the period ended June 30, 2020, the Company recognized no other-than-temporary impairment ("OTTI") on securities it lacked the ability to hold or had the intent to sell.
- (3) The Company has no loan-backed and structured securities that recognized OTTI as of June 30, 2020.
- (4) All impaired securities (fair value is less than cost or amortized cost) for which an OTTI has not been recognized in earnings as a realized loss (including securities with a recognized OTTI for non-interest related declines when a non-recognized interest related impairment remains):
- | | | | |
|---|------------------------|----|------------|
| a. The aggregate amount of unrealized losses: | 1. Less than 12 Months | \$ | 781,470 |
| | 2. 12 Months or Longer | \$ | 27,371 |
| b. The aggregate related fair value of securities with unrealized losses: | 1. Less than 12 Months | \$ | 91,627,221 |
| | 2. 12 Months or Longer | \$ | 415,779 |
- (5) The Company's management periodically reviews the investment portfolios and identifies investments which may have deteriorated in credit quality and are candidates for impairment. The Company develops cash flows as part of its impairment review process. Where the cash flows support the recovery of the principal balance, the Company concludes that the impairment is not other-than-temporary.

E. Dollar Repurchase Agreements and/or Securities Lending Transactions

Not applicable

F. Repurchase Agreements Transactions Accounted for as Secured Borrowing

Not applicable

G. Reverse Repurchase Agreements Transactions Accounted for as Secured Borrowing

Not applicable

H. Repurchase Agreements Transactions Accounted for as a Sale

Not applicable

I. Reverse Repurchase Agreements Transactions Accounted for as a Sale

Not applicable

J. Real Estate

Not applicable

K. Low Income Housing Tax Credits ("LIHTC")

Not applicable

L. Restricted Assets

No material change

M. Working Capital Financial Investments

Not applicable

N. Offsetting and Netting of Assets and Liabilities

Not applicable

O. 5GI Securities

Not applicable

NOTES TO FINANCIAL STATEMENTS

P. Short Sales

Not applicable

Q. Prepayment Penalty and Acceleration Fees

No material change

6. Joint Ventures, Partnerships and Limited Liability Companies

Not applicable

7. Investment Income

No material change

8. Derivative Instruments

Not applicable

9. Federal Income Tax

No material change

10. Information Concerning Parent, Subsidiaries, Affiliates and Other Related Parties

No material change

11. Debt

Not applicable

12. Retirement Plans, Deferred Compensation, Postemployment Benefits and Compensated Absences and Other Post Retirement Benefit Plans

Not applicable

13. Capital and Surplus, Shareholders' Dividend Restrictions and Quasi-Reorganization

No material change

14. Liabilities, Contingencies and Assessments

No material change

15. Leases

Not applicable

16. Information About Financial Instruments With Off-Balance Sheet Risk And Financial Instruments With Concentrations of Credit Risk

Not applicable

17. Sale, Transfer and Servicing of Financial Assets and Extinguishments of Liabilities

Not applicable

18. Gain or Loss to the Reporting Entity from Uninsured Plans and the Uninsured Portion of Partially Insured Plans

Not applicable

19. Direct Premium Written/Produced by Managing General Agents/Third Party Administrators

Not applicable

NOTES TO FINANCIAL STATEMENTS

20. Fair Value Measurements

- A. Included in the Company’s financial statements are certain financial instruments carried at fair value. Other financial instruments are periodically measured at fair value, such as when impaired, or for certain bonds and preferred stock when carried at the lower of cost or fair value.

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date.

Fair values of financial instruments are based on quoted market prices when available. When market prices are not available, fair values are primarily provided by a third party pricing service for identical or comparable assets, or through the use of valuation methodologies using observable market inputs. These fair values are generally estimated using discounted cash flow analysis, incorporating current market inputs for similar financial instruments with comparable terms and credit quality. In instances where there is little or no market activity for the same or similar instruments, the Company estimates fair value using methods, models and assumptions that management believes market participants would use to determine a current transaction price. These valuation techniques involve management estimation and judgment for many factors including market bid/ask spreads, and such estimations may become significant with increasingly complex instruments or pricing models.

The Company’s financial assets and liabilities measured and reported at fair value have been classified, for disclosure purposes, based on a hierarchy defined by SSAP No. 100R, Fair Value. The fair value hierarchy prioritizes the inputs to valuation techniques used to measure fair value into three broad levels. The hierarchy gives the highest ranking to fair values determined using unadjusted quoted prices in active markets for identical assets and liabilities (Level 1) and the lowest ranking to fair values determined using methodologies and models with unobservable inputs (Level 3). An asset’s or a liability’s classification is based on the lowest level input that is significant to its measurement. For example, a Level 3 fair value measurement may include inputs that are both observable (Levels 1 and Level 2) and unobservable (Level 3). The levels of the fair value hierarchy are as follows:

Level 1 – Inputs are unadjusted quoted prices in active markets for identical assets and liabilities that the Company has the ability to access at the measurement date.

Level 2 – Other than quoted prices within Level 1 inputs that are observable for the asset or liability, either directly or indirectly.

Level 2 inputs include:

- Quoted prices for similar assets or liabilities in active markets,
- Quoted prices for identical or similar assets or liabilities in markets that are not active,
- Inputs other than quoted prices that are observable for the asset or liability,
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

Level 3 – Inputs are unobservable inputs for the asset or liability supported by little or no market activity. Unobservable inputs reflect the Company’s own assumptions about the assumptions that market participants would use in pricing the asset or liability. The Company’s data used to develop unobservable inputs is adjusted if information is reasonably available without undue cost and effort that indicates that market participants would use different assumptions.

Considerable judgment is required to interpret market data in developing the estimates of fair value for financial instruments for which there are no available market value quotations. The estimates presented are not necessarily indicative of the amounts the Company could have realized in a market exchange. The use of different market assumptions and/or estimation methodologies may have a material effect on the estimated fair value amounts.

(1) Financial assets and liabilities measured and reported at fair value

The following table provides information about the Company’s financial assets and liabilities measured and reported at fair value at June 30, 2020:

	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Total
Assets at fair value:					
Separate account assets	\$ 3,456,698,676	\$ 27,743,725	\$ —	\$ —	\$ 3,484,442,401
Total assets at fair value	<u>\$ 3,456,698,676</u>	<u>\$ 27,743,725</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 3,484,442,401</u>
Total liabilities at fair value	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>

NOTES TO FINANCIAL STATEMENTS

(2) Reconciliation of Level 3 assets and liabilities measured and reported at fair value:

At June 30, 2020 and December 31, 2019, there were no assets or liabilities measured and reported at fair value using Level 3 inputs.

(3) The Company's policy is to recognize transfers into and out of Level 3 at the actual date of the event or change in circumstances that caused the transfer.

(4) See 20.B.

(5) Not applicable.

- B. The estimated fair values of the financial assets and liabilities presented within this note are determined by the Company using market information available as of June 30, 2020. The following is a summary of the valuation techniques and inputs used in the fair value measurements for all financial instruments, including those assets and liabilities carried at fair value in the Company's statement of financial position.

Level 1 financial instruments

Unadjusted quoted prices for these securities are provided to the Company by independent pricing services. Preferred stocks and separate account assets in Level 1 primarily include exchange traded equities and mutual fund investments valued by the respective mutual fund companies. Cash in Level 1 consists of cash on hand.

Level 2 financial instruments

Bonds in Level 2 are valued principally by third party pricing services using market observable inputs. Because most bonds do not trade daily, independent pricing services regularly derive fair values using recent trades of securities with similar features. When recent trades are not available, pricing models are used to estimate the fair values of securities by discounting future cash flows at estimated market interest rates. Typical inputs to models used by independent pricing services include but are not limited to benchmark yields, reported trades, broker-dealer quotes, issuer spreads, benchmark securities, bids, offers, reference data, and industry and economic events. Additionally, for loan-backed and structured securities, valuation is based primarily on market inputs including benchmark yields, expected prepayment speeds, loss severity, delinquency rates, weighted average coupon, weighted average maturity and issuance specific information. Issuance specific information includes collateral type, payment terms of underlying assets, payment priority within the tranche, structure of the security, deal performance and vintage of loans.

Other invested assets in level 2 represent surplus notes and are valued by a third party pricing vendor using primarily observable market inputs. Observable inputs include benchmark yields, reported trades, market dealer quotes, issuer spreads, two-sided markets, benchmark securities, bids, offers and reference data.

Separate account assets in Level 2 consist principally of corporate bonds, short term government agency notes and commercial paper.

Cash equivalents in Level 2 are valued principally by third party services using market observable inputs.

Level 3 financial instruments

Valuation techniques for bonds included in Level 3 are generally the same as those described in Level 2 except that the techniques utilize inputs that are not readily observable in the market, including illiquidity premiums and spread adjustments to reflect industry trends or specific credit-related issues. The Company assesses the significance of unobservable inputs for each security and classifies that security in Level 3 as a result of the significance of unobservable inputs.

Contract loans are fully collateralized by the cash surrender value of underlying insurance policies and are valued based on the carrying value of the loan, which approximates fair value, and are classified as Level 3.

Separate account liabilities are accounted for at fair value and reflect the contractual obligations of the insurer arising out of the provisions of the insurance contract.

Deposit-type contracts are valued based on the accumulated account value, which approximates fair value, and are classified as Level 3.

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA – CREF LIFE INSURANCE COMPANY

NOTES TO FINANCIAL STATEMENTS

C. Aggregate fair value for all financial instruments:

The aggregate fair value for all financial instruments and the level within the fair value hierarchy:

Assets:	Aggregate Fair Value	Admitted Assets	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Not Practicable (Carrying Value)
Bonds	\$11,758,345,801	\$10,718,247,698	\$ —	\$11,744,982,145	\$ 13,363,656	\$ —	\$ —
Preferred stock	3,431,694	182,882	3,431,694	—	—	—	—
Other invested assets.....	5,950,094	4,677,502	—	5,950,094	—	—	—
Separate account assets	3,484,442,400	3,484,442,400	3,456,698,676	27,743,725	—	—	—
Contract loans	42,116,367	42,116,367	—	—	42,116,367	—	—
Cash, cash equivalents & short term investments ...	319,478,772	319,470,473	316,659,478	2,819,294	—	—	—
Total	<u>\$15,613,765,128</u>	<u>\$14,569,137,322</u>	<u>\$3,776,789,848</u>	<u>\$11,781,495,258</u>	<u>\$ 55,480,023</u>	<u>\$ —</u>	<u>\$ —</u>

Liabilities:	Aggregate Fair Value	Liabilities	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Not Practicable (Carrying Value)
Deposit-type contracts	\$ 6,334,923,391	\$ 6,334,923,391	\$ —	\$ —	\$6,334,923,391	\$ —	\$ —
Separate account liabilities	3,472,541,393	3,472,541,393	—	—	3,472,541,393	—	—
Total	<u>\$ 9,807,464,784</u>	<u>\$ 9,807,464,784</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$9,807,464,784</u>	<u>\$ —</u>	<u>\$ —</u>

D. Not applicable

E. Not applicable

21. Other Items

No material change

22. Events Subsequent

Subsequent events have been considered through August 7, 2020 for the statutory statement issued on August 7, 2020. No subsequent events were noted.

23. Reinsurance

No material change

24. Retrospectively Rated Contracts and Contracts Subject to Redetermination

Not applicable

25. Changes in Incurred Losses and Loss Adjustment Expenses

Not applicable

26. Intercompany Pooling Arrangements

Not applicable

27. Structured Settlements

Not applicable

28. Health Care Receivables

Not applicable

29. Participating Policies

Not applicable

30. Premium Deficiency Reserves

Not applicable

31. Reserves for Life Contracts and Annuity Contracts

No material change

NOTES TO FINANCIAL STATEMENTS

32. Analysis of Annuity Actuarial Reserves and Deposit Type Contract Liabilities by Withdrawal Characteristics

No material change

33. Analysis of Life Actuarial Reserves by Withdrawal Characteristics

No material change

34. Premiums and Annuity Considerations Deferred and Uncollected

No material change

35. Separate Accounts

The contract backed by the Stable Value Separate Account-3 was terminated effective February 5, 2020. The market value of the account was distributed, and the liabilities were settled. The account was subsequently closed in March 2020.

36. Loss/Claims Adjustment Expense

No material change

GENERAL INTERROGATORIES

PART 1 - COMMON INTERROGATORIES

GENERAL

1.1

Did the reporting entity experience any material transactions requiring the filing of Disclosure of Material Transactions with the State of Domicile, as required by the Model Act?

Yes [] No [X]

1.2

If yes, has the report been filed with the domiciliary state?

Yes [] No []

2.1

Has any change been made during the year of this statement in the charter, by-laws, articles of incorporation, or deed of settlement of the reporting entity?

Yes [] No [X]

2.2

If yes, date of change:

3.1

Is the reporting entity a member of an Insurance Holding Company System consisting of two or more affiliated persons, one or more of which is an insurer?
If yes, complete Schedule Y, Parts 1 and 1A.

Yes [X] No []

3.2

Have there been any substantial changes in the organizational chart since the prior quarter end?

Yes [] No [X]

3.3

If the response to 3.2 is yes, provide a brief description of those changes.

3.4

Is the reporting entity publicly traded or a member of a publicly traded group?

Yes [] No [X]

3.5

If the response to 3.4 is yes, provide the CIK (Central Index Key) code issued by the SEC for the entity/group.

4.1

Has the reporting entity been a party to a merger or consolidation during the period covered by this statement?
If yes, complete and file the merger history data file with the NAIC.

Yes [] No [X]

4.2

If yes, provide the name of the entity, NAIC Company Code, and state of domicile (use two letter state abbreviation) for any entity that has ceased to exist as a result of the merger or consolidation.

1 Name of Entity	2 NAIC Company Code	3 State of Domicile

5.

If the reporting entity is subject to a management agreement, including third-party administrator(s), managing general agent(s), attorney-in-fact, or similar agreement, have there been any significant changes regarding the terms of the agreement or principals involved?
If yes, attach an explanation.

Yes [] No [X] N/A []

6.1

State as of what date the latest financial examination of the reporting entity was made or is being made.

12/31/2018

6.2

State the as of date that the latest financial examination report became available from either the state of domicile or the reporting entity. This date should be the date of the examined balance sheet and not the date the report was completed or released.

12/31/2018

6.3

State as of what date the latest financial examination report became available to other states or the public from either the state of domicile or the reporting entity. This is the release date or completion date of the examination report and not the date of the examination (balance sheet date).

06/25/2020

6.4

By what department or departments?
New York State Department of Financial Services

6.5

Have all financial statement adjustments within the latest financial examination report been accounted for in a subsequent financial statement filed with Departments?

Yes [] No [] N/A [X]

6.6

Have all of the recommendations within the latest financial examination report been complied with?

Yes [] No [] N/A [X]

7.1

Has this reporting entity had any Certificates of Authority, licenses or registrations (including corporate registration, if applicable) suspended or revoked by any governmental entity during the reporting period?

Yes [] No [X]

7.2

If yes, give full information:

8.1

Is the company a subsidiary of a bank holding company regulated by the Federal Reserve Board?

Yes [] No [X]

8.2

If response to 8.1 is yes, please identify the name of the bank holding company.

8.3

Is the company affiliated with one or more banks, thrifts or securities firms?

Yes [X] No []

8.4

If response to 8.3 is yes, please provide below the names and location (city and state of the main office) of any affiliates regulated by a federal regulatory services agency [i.e. the Federal Reserve Board (FRB), the Office of the Comptroller of the Currency (OCC), the Federal Deposit Insurance Corporation (FDIC) and the Securities Exchange Commission (SEC)] and identify the affiliate's primary federal regulator.

1 Affiliate Name	2 Location (City, State)	3 FRB	4 OCC	5 FDIC	6 SEC
TIAA, FSB	Jacksonville, Florida		YES		
TIAA FSB Holdings, Inc.	Jacksonville, Florida	YES			
Teachers Insurance and Annuity Association of America	New York, New York	YES			
TIAA Board of Overseers	New York, New York	YES			
TIAA-CREF Individual & Institutional Services, LLC	New York, New York				YES
Nuveen Securities, LLC	Chicago, Illinois				YES

GENERAL INTERROGATORIES

- 9.1

Are the senior officers (principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions) of the reporting entity subject to a code of ethics, which includes the following standards?
(a) Honest and ethical conduct, including the ethical handling of actual or apparent conflicts of interest between personal and professional relationships;
(b) Full, fair, accurate, timely and understandable disclosure in the periodic reports required to be filed by the reporting entity;
(c) Compliance with applicable governmental laws, rules and regulations;
(d) The prompt internal reporting of violations to an appropriate person or persons identified in the code; and
(e) Accountability for adherence to the code.

Yes [X] No []
- 9.11

If the response to 9.1 is No, please explain:
- 9.2

Has the code of ethics for senior managers been amended?

Yes [] No [X]
- 9.21

If the response to 9.2 is Yes, provide information related to amendment(s).
- 9.3

Have any provisions of the code of ethics been waived for any of the specified officers?

Yes [] No [X]
- 9.31

If the response to 9.3 is Yes, provide the nature of any waiver(s).

FINANCIAL

- 10.1

Does the reporting entity report any amounts due from parent, subsidiaries or affiliates on Page 2 of this statement?

Yes [X] No []
- 10.2

If yes, indicate any amounts receivable from parent included in the Page 2 amount:

\$

INVESTMENT

- 11.1

Were any of the stocks, bonds, or other assets of the reporting entity loaned, placed under option agreement, or otherwise made available for use by another person? (Exclude securities under securities lending agreements.)

Yes [X] No []
- 11.2

If yes, give full and complete information relating thereto:
As of June 30, 2020, the statement value of the assets on deposit with states is \$8,078,336.06.
12.

Amount of real estate and mortgages held in other invested assets in Schedule BA:

\$
13.

Amount of real estate and mortgages held in short-term investments:

\$
- 14.1

Does the reporting entity have any investments in parent, subsidiaries and affiliates?

Yes [] No [X]
- 14.2

If yes, please complete the following:
- | | 1 | 2 |
|---|---|--|
| | Prior Year-End
Book/Adjusted
Carrying Value | Current Quarter
Book/Adjusted
Carrying Value |
| 14.21 Bonds | \$ | \$ |
| 14.22 Preferred Stock | \$ | \$ |
| 14.23 Common Stock | \$ | \$ |
| 14.24 Short-Term Investments | \$ | \$ |
| 14.25 Mortgage Loans on Real Estate | \$ | \$ |
| 14.26 All Other | \$ | \$ |
| 14.27 Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26) | \$ | \$ |
| 14.28 Total Investment in Parent included in Lines 14.21 to 14.26 above | \$ | \$ |
- 15.1

Has the reporting entity entered into any hedging transactions reported on Schedule DB?

Yes [] No [X]
- 15.2

If yes, has a comprehensive description of the hedging program been made available to the domiciliary state?
If no, attach a description with this statement.

Yes [] No [] N/A [X]
16.

For the reporting entity's security lending program, state the amount of the following as of the current statement date:
- 16.1

Total fair value of reinvested collateral assets reported on Schedule DL, Parts 1 and 2.

\$
- 16.2

Total book adjusted/carrying value of reinvested collateral assets reported on Schedule DL, Parts 1 and 2

\$
- 16.3

Total payable for securities lending reported on the liability page.

\$

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

GENERAL INTERROGATORIES

17. Excluding items in Schedule E - Part 3 - Special Deposits, real estate, mortgage loans and investments held physically in the reporting entity's offices, vaults or safety deposit boxes, were all stocks, bonds and other securities, owned throughout the current year held pursuant to a custodial agreement with a qualified bank or trust company in accordance with Section 1, III - General Examination Considerations, F. Outsourcing of Critical Functions, Custodial or Safekeeping Agreements of the NAIC Financial Condition Examiners Handbook? Yes [X] No []
- 17.1 For all agreements that comply with the requirements of the NAIC Financial Condition Examiners Handbook, complete the following:

1 Name of Custodian(s)	2 Custodian Address
Citibank, N.A.	388 Greenwich Street 24th Floor New York, NY 10013
JPMorgan Chase Bank, N.A.	270 Park Avenue New York, NY 10017

- 17.2 For all agreements that do not comply with the requirements of the NAIC Financial Condition Examiners Handbook, provide the name, location and a complete explanation:

1 Name(s)	2 Location(s)	3 Complete Explanation(s)

- 17.3 Have there been any changes, including name changes, in the custodian(s) identified in 17.1 during the current quarter? Yes [] No [X]
- 17.4 If yes, give full information relating thereto:

1 Old Custodian	2 New Custodian	3 Date of Change	4 Reason

- 17.5 Investment management – Identify all investment advisors, investment managers, broker/dealers, including individuals that have the authority to make investment decisions on behalf of the reporting entity. For assets that are managed internally by employees of the reporting entity, note as such. ["...that have access to the investment accounts"; "...handle securities"]

1 Name of Firm or Individual	2 Affiliation
Teachers Advisors, LLC	A.....

- 17.5097 For those firms/individuals listed in the table for Question 17.5, do any firms/individuals unaffiliated with the reporting entity (i.e. designated with a "U") manage more than 10% of the reporting entity's invested assets?..... Yes [] No [X]

- 17.5098 For firms/individuals unaffiliated with the reporting entity (i.e. designated with a "U") listed in the table for Question 17.5, does the total assets under management aggregate to more than 50% of the reporting entity's invested assets?..... Yes [] No [X]

- 17.6 For those firms or individuals listed in the table for 17.5 with an affiliation code of "A" (affiliated) or "U" (unaffiliated), provide the information for the table below.

1 Central Registration Depository Number	2 Name of Firm or Individual	3 Legal Entity Identifier (LEI)	4 Registered With	5 Investment Management Agreement (IMA) Filed
107157	Teachers Advisors, LLC	Q3EVPQ17HQSI1MVRLOU14	Securities and Exchange Commission	DS.....

- 18.1 Have all the filing requirements of the Purposes and Procedures Manual of the NAIC Investment Analysis Office been followed? Yes [X] No []
- 18.2 If no, list exceptions:

19. By self-designating 5GI securities, the reporting entity is certifying the following elements for each self-designated 5GI security:
- a. Documentation necessary to permit a full credit analysis of the security does not exist or an NAIC CRP credit rating for an FE or PL security is not available.
- b. Issuer or obligor is current on all contracted interest and principal payments.
- c. The insurer has an actual expectation of ultimate payment of all contracted interest and principal.
- Has the reporting entity self-designated 5GI securities? Yes [] No [X]

20. By self-designating PLGI securities, the reporting entity is certifying the following elements of each self-designated PLGI security:
- a. The security was purchased prior to January 1, 2018.
- b. The reporting entity is holding capital commensurate with the NAIC Designation reported for the security.
- c. The NAIC Designation was derived from the credit rating assigned by an NAIC CRP in its legal capacity as a NRSRO which is shown on a current private letter rating held by the insurer and available for examination by state insurance regulators.
- d. The reporting entity is not permitted to share this credit rating of the PL security with the SVO.
- Has the reporting entity self-designated PLGI securities? Yes [] No [X]

21. By assigning FE to a Schedule BA non-registered private fund, the reporting entity is certifying the following elements of each self-designated FE fund:
- a. The shares were purchased prior to January 1, 2019.
- b. The reporting entity is holding capital commensurate with the NAIC Designation reported for the security.
- c. The security had a public credit rating(s) with annual surveillance assigned by an NAIC CRP in its legal capacity as an NRSRO prior to January 1, 2019.
- d. The fund only or predominantly holds bonds in its portfolio.
- e. The current reported NAIC Designation was derived from the public credit rating(s) with annual surveillance assigned by an NAIC CRP in its legal capacity as an NRSRO.
- f. The public credit rating(s) with annual surveillance assigned by an NAIC CRP has not lapsed.
- Has the reporting entity assigned FE to Schedule BA non-registered private funds that complied with the above criteria? Yes [] No [X]

GENERAL INTERROGATORIES

PART 2 - LIFE AND ACCIDENT AND HEALTH COMPANIES/FRATERNAL BENEFIT SOCIETIES

Life and Accident Health Companies/Fraternal Benefit Societies:

1.

Report the statement value of mortgage loans at the end of this reporting period for the following categories:

1

Amount

1.1

Long-Term Mortgages In Good Standing

1.11

Farm Mortgages

\$

1.12

Residential Mortgages

\$

1.13

Commercial Mortgages

\$

1.14

Total Mortgages in Good Standing

\$

1.2

Long-Term Mortgages In Good Standing with Restructured Terms

1.21

Total Mortgages in Good Standing with Restructured Terms

\$

1.3

Long-Term Mortgage Loans Upon which Interest is Overdue more than Three Months

1.31

Farm Mortgages

\$

1.32

Residential Mortgages

\$

1.33

Commercial Mortgages

\$

1.34

Total Mortgages with Interest Overdue more than Three Months

\$

1.4

Long-Term Mortgage Loans in Process of Foreclosure

1.41

Farm Mortgages

\$

1.42

Residential Mortgages

\$

1.43

Commercial Mortgages

\$

1.44

Total Mortgages in Process of Foreclosure

\$

1.5

Total Mortgage Loans (Lines 1.14 + 1.21 + 1.34 + 1.44) (Page 2, Column 3, Lines 3.1 + 3.2)

\$

1.6

Long-Term Mortgages Foreclosed, Properties Transferred to Real Estate in Current Quarter

1.61

Farm Mortgages

\$

1.62

Residential Mortgages

\$

1.63

Commercial Mortgages

\$

1.64

Total Mortgages Foreclosed and Transferred to Real Estate

\$

2.

Operating Percentages:

2.1

A&H loss percent

%

2.2

A&H cost containment percent

%

2.3

A&H expense percent excluding cost containment expenses

%

3.1

Do you act as a custodian for health savings accounts?

Yes [] No [X]

3.2

If yes, please provide the amount of custodial funds held as of the reporting date

\$

3.3

Do you act as an administrator for health savings accounts?

Yes [] No [X]

3.4

If yes, please provide the balance of the funds administered as of the reporting date

\$

4.

Is the reporting entity licensed or chartered, registered, qualified, eligible or writing business in at least two states?

Yes [X] No []

4.1

If no, does the reporting entity assume reinsurance business that covers risks residing in at least one state other than the state of domicile of the reporting entity?

Yes [] No []

Fraternal Benefit Societies Only:

5.1

In all cases where the reporting entity has assumed accident and health risks from another company, provisions should be made in this statement on account of such reinsurances for reserve equal to that which the original company would have been required to establish had it retained the risks. Has this been done?

Yes [] No [] N/A []

5.2

If no, explain:

6.1

Does the reporting entity have outstanding assessments in the form of liens against policy benefits that have increased surplus?

Yes [] No []

6.2

If yes, what is the date(s) of the original lien and the total outstanding balance of liens that remain in surplus?

Date	Outstanding Lien Amount

SCHEDULE S - CEDED REINSURANCE

Showing All New Reinsurance Treaties - Current Year to Date

1	2	3	4	5	6	7	8	9	10
NAIC Company Code	ID Number	Effective Date	Name of Reinsurer	Domiciliary Jurisdiction	Type of Reinsurance Ceded	Type of Business Ceded	Type of Reinsurer	Certified Reinsurer Rating (1 through 6)	Effective Date of Certified Reinsurer Rating
NONE									

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS

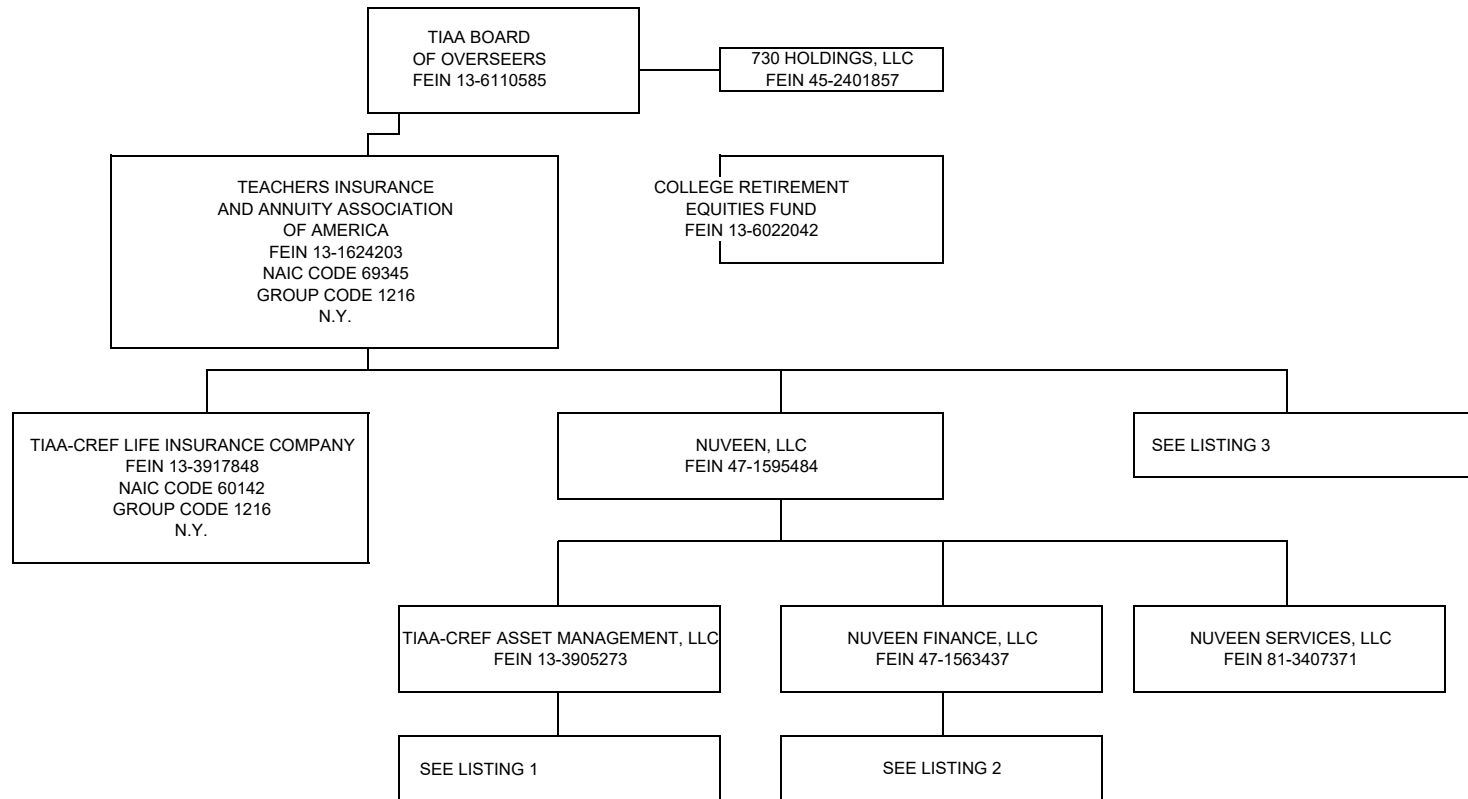
Current Year To Date - Allocated by States and Territories

States, Etc.			1	Direct Business Only					
				Life Contracts		4 Accident and Health Insurance Premiums, Including Policy, Membership and Other Fees	5 Other Considerations	6 Total Columns 2 Through 5	7 Deposit-Type Contracts
				2 Life Insurance Premiums	3 Annuity Considerations				
Active Status (a)									
1.	Alabama	AL	L	2,675,640	1,487,929	66,069		4,229,638	123,536
2.	Alaska	AK	L	1,066,447	10,500			1,076,947	
3.	Arizona	AZ	L	2,182,875	996,837	56,427		3,236,139	
4.	Arkansas	AR	L	482,542	1,162,256	9,847		1,654,645	
5.	California	CA	L	11,567,885	10,093,611	105,687		21,767,182	697,179,695
6.	Colorado	CO	L	2,129,319	807,476			2,936,795	52,676
7.	Connecticut	CT	L	3,501,163	2,603,901	76,612		6,181,676	129,098,011
8.	Delaware	DE	L	1,837,710	497,790	24,976		2,360,477	
9.	District of Columbia	DC	L	2,078,879	1,048,656	52,333		3,179,867	335,536
10.	Florida	FL	L	5,036,383	12,627,158	504,308		18,167,849	1,065,382
11.	Georgia	GA	L	2,783,964	2,052,842	96,754		4,933,560	513,728,013
12.	Hawaii	HI	L	313,456	24,852	3,994		342,301	
13.	Idaho	ID	L	170,856	2,400	18,337		191,593	
14.	Illinois	IL	L	4,812,262	6,796,715	74,431		11,683,409	1,122,711
15.	Indiana	IN	L	1,530,233	2,069,499	56,701		3,656,433	
16.	Iowa	IA	L	2,123,462	898,063	36,639		3,058,164	83,432
17.	Kansas	KS	L	435,741	249,276	14,654		699,672	614,980
18.	Kentucky	KY	L	701,507	45,285	4,047		750,838	
19.	Louisiana	LA	L	536,280	241,085			777,365	
20.	Maine	ME	L	674,373	720,644	13,695		1,408,712	
21.	Maryland	MD	L	3,630,061	3,685,144	149,612		7,464,817	219,775
22.	Massachusetts	MA	L	6,468,664	1,851,367	227,047		8,547,078	884,076
23.	Michigan	MI	L	3,639,961	1,495,781	143,423		5,279,165	1,136,425,077
24.	Minnesota	MN	L	2,213,081	1,199,487	30,270		3,442,838	56,132,006
25.	Mississippi	MS	L	136,055				136,055	6,676,924
26.	Missouri	MO	L	2,438,544	625,973	56,551		3,121,068	
27.	Montana	MT	L	147,029	1,597,865			1,744,894	
28.	Nebraska	NE	L	1,140,783	50,998	14,966		1,206,747	
29.	Nevada	NV	L	523,109	1,994,324	20,675		2,538,109	
30.	New Hampshire	NH	L	635,198	463,493			1,098,691	
31.	New Jersey	NJ	L	5,645,618	3,897,270	114,584		9,657,472	4,978,174
32.	New Mexico	NM	L	339,007	143,587			482,594	
33.	New York	NY	L	18,246,063	11,645,447	572,435		30,463,944	2,331,546
34.	North Carolina	NC	L	4,099,156	3,185,660	60,888		7,345,704	965,993
35.	North Dakota	ND	L	135,641	1,554,000			1,689,641	
36.	Ohio	OH	L	2,597,911	1,691,555	94,266		4,383,732	110,705
37.	Oklahoma	OK	L	570,274	61,772	30,830		662,876	146,171,452
38.	Oregon	OR	L	1,372,506	709,258	52,236		2,134,000	80,650
39.	Pennsylvania	PA	L	7,620,313	5,438,468	268,450		13,327,231	3,308,483
40.	Rhode Island	RI	L	696,160	450,796	22,346		1,169,303	
41.	South Carolina	SC	L	802,056	5,942,739	36,441		6,781,236	43,132
42.	South Dakota	SD	L	855,177	3,600			858,777	
43.	Tennessee	TN	L	1,666,647	2,443,462	30,610		4,140,720	
44.	Texas	TX	L	5,039,628	6,967,880	52,436		12,059,945	1,773,533
45.	Utah	UT	L	967,991	408,056	2,846		1,378,893	350,486
46.	Vermont	VT	L	682,354	166,864	22,069		871,286	10,412,173
47.	Virginia	VA	L	3,379,303	2,547,684	90,416		6,017,404	369,018
48.	Washington	WA	L	3,014,233	1,724,880	61,072		4,800,186	1,011,570
49.	West Virginia	WV	L	384,243	325,010	34,380		743,632	
50.	Wisconsin	WI	L	1,286,642	1,420,937	63,326		2,770,905	455,762,764
51.	Wyoming	WY	L	318,749	891,399	3,683		1,213,831	
52.	American Samoa	AS	N						
53.	Guam	GU	N						
54.	Puerto Rico	PR	N	9,986				9,986	
55.	U.S. Virgin Islands	VI	N	166				166	
56.	Northern Mariana Islands	MP	N						
57.	Canada	CAN	N						
58.	Aggregate Other Aliens	OT	XXX	9,659				9,659	187,675
59.	Subtotal	XXX		127,352,945	109,021,533	3,471,367		239,845,845	3,171,599,185
90.	Reporting entity contributions for employee benefits plans	XXX							
91.	Dividends or refunds applied to purchase paid-up additions and annuities	XXX							
92.	Dividends or refunds applied to shorten endowment or premium paying period	XXX							
93.	Premium or annuity considerations waived under disability or other contract provisions	XXX		190,167				190,167	
94.	Aggregate or other amounts not allocable by State	XXX							
95.	Totals (Direct Business)	XXX		127,543,112	109,021,533	3,471,367		240,036,011	3,171,599,185
96.	Plus Reinsurance Assumed	XXX							
97.	Totals (All Business)	XXX		127,543,112	109,021,533	3,471,367		240,036,011	3,171,599,185
98.	Less Reinsurance Ceded	XXX		40,775,293		3,471,367		44,246,660	
99.	Totals (All Business) less Reinsurance Ceded	XXX		86,767,819	109,021,533			195,789,352	3,171,599,185
DETAILS OF WRITE-INS									
58001.	ZZZ Other Alien	XXX		9,659				9,659	187,675
58002.	.....	XXX							
58003.	.....	XXX							
58998.	Summary of remaining write-ins for Line 58 from overflow page	XXX							
58999.	Totals (Lines 58001 through 58003 plus 58998)(Line 58 above)	XXX		9,659				9,659	187,675
9401.	.....	XXX							
9402.	.....	XXX							
9403.	.....	XXX							
9498.	Summary of remaining write-ins for Line 94 from overflow page	XXX							
9499.	Totals (Lines 9401 through 9403 plus 9498)(Line 94 above)	XXX							

(a) Active Status Counts:
L - Licensed or Chartered - Licensed Insurance carrier or domiciled RRG.....51 R - Registered - Non-domiciled RRGs.....
E - Eligible - Reporting entities eligible or approved to write surplus lines in the state..... Q - Qualified - Qualified or accredited reinsurer.....
N - None of the above - Not allowed to write business in the state.....6

Ordinary Life Insurance, Individual Accident and Health, and Individual Annuity Premiums allocated by current residence. Group Life Insurance allocated according to location of group contract holder.

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP
PART 1 - ORGANIZATIONAL CHART



STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP

PART 1 - ORGANIZATIONAL CHART

LISTING 1 (TIAA-CREF ASSET MANAGEMENT, LLC):

COMPANY	FEIN	RELATIONSHIP
L&C Special Member Holdco, LLC	81-1272900	SUBSIDIARY
GTR Special Member LLC	81-1272900	SUBSIDIARY
TIAA International GP LLC	81-4374969	SUBSIDIARY
TIAA-CREF Investment Management, LLC	13-3586142	SUBSIDIARY
Nuveen Alternative Holdings, LLC	46-3870972	SUBSIDIARY
AGR Partners LLC	81-1467545	SUBSIDIARY
AGR Services LLC	36-4853278	SUBSIDIARY (1)
TCAM Agribusiness Fund GP LLC	81-1870559	SUBSIDIARY
Nuveen Agribusiness Fund III GP, LLC	83-4328253	SUBSIDIARY
AGR Services LLC	36-4853278	SUBSIDIARY (1)
Beaver Investments Holdings, LLC	45-5558395	SUBSIDIARY
GreenWood Resources, Inc.	80-0026976	SUBSIDIARY
Greenwood Resources Brasil, Ltda.		SUBSIDIARY (2)
GreenWood Resources Capital Management, LLC	45-1875074	SUBSIDIARY
GTFF GP, LLC	20-8501127	SUBSIDIARY
GWR-GTFF Investment, LLC	20-8955976	SUBSIDIARY
GWR International Ltd.		SUBSIDIARY
GWR China Ltd.	20-3188681	SUBSIDIARY
GWR SA, Ltd.		SUBSIDIARY
GreenWood Resources Chile, S.A.		SUBSIDIARY
GWR Europe Ltd.	98-1016332	SUBSIDIARY
GreenWood Resources Poland sp Z o.o.	98-1016335	SUBSIDIARY
Greenwood Resources Forest Management, LLC	47-4557075	SUBSIDIARY
Greenwood Resources Brasil, Ltda.		SUBSIDIARY (2)
GWR Uruguay S.A.		SUBSIDIARY
Greenwood Resources Colombia SAS		SUBSIDIARY
CAM HR Resources LLC	36-4851864	SUBSIDIARY (3)
Churchill Asset Management LLC	47-3156644	SUBSIDIARY
CAM HR Resources LLC	36-4851864	SUBSIDIARY (3)
Churchill Agency Services LLC	82-3187734	SUBSIDIARY
Churchill Feeder Fund GP II S.à.r.l.		SUBSIDIARY
Churchill Fund GP II LLC	83-1177850	SUBSIDIARY
Churchill Fund GP II Sarl	98-1449979	SUBSIDIARY
Churchill Special Member LLC	82-0735838	SUBSIDIARY
Churchill Warehouse LLC	82-3784145	SUBSIDIARY
Nuveen Churchill Administration LLC		SUBSIDIARY
TGAM Churchill Fund GP LLC	81-1817732	SUBSIDIARY
Global AG AIV (CN) GP, LLC	45-5044435	SUBSIDIARY
Global Agriculture AIV (CN), LP	45-5044681	SUBSIDIARY
Global Ag II AIV GP LLC	47-1192644	SUBSIDIARY
Global Agriculture II AIV, LP	47-1197292	SUBSIDIARY
GTR Investor Fund GP LLC	47-1208361	SUBSIDIARY
NAP Investors GP, LLC	83-2245173	SUBSIDIARY
NCBDC Holdings LLC		SUBSIDIARY
Nuveen Churchill Advisors LLC		SUBSIDIARY
Nuveen Alternatives Advisors, LLC	45-4288013	SUBSIDIARY
Nuveen Churchill Direct Lending Corp.		SUBSIDIARY
TPS Investors GP, LLC		SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
Nuveen Alternative Services, LLC	45-4288091	SUBSIDIARY
GAP II NZ GP Limited		SUBSIDIARY
TIAA European Farmland Fund GP LP	98-1310748	SUBSIDIARY (4)
TCAS Global Investments LLC	47-1515836	SUBSIDIARY
Nuveen Global Farmland Fund GP, LLC	84-1819349	SUBSIDIARY
Nuveen Global Farmland Fund Lux GP S.à.r.l.		SUBSIDIARY
Nuveen Global Impact Fund GP, LLC	84-5180164	SUBSIDIARY
Nuveen Global Impact Fund LP	84-5180286	SUBSIDIARY
Nuveen Global Impact Fund Lux GP S.à.r.l.		SUBSIDIARY
Nuveen International Holdings LLC	26-2719001	SUBSIDIARY
Nuveen Canada Company		SUBSIDIARY
Nuveen Japan Co., Limited		SUBSIDIARY
Nuveen UK, Limited		SUBSIDIARY
TGAM Subsidiary HC LLC	81-4349631	SUBSIDIARY
TGAM APAC LLC	81-4290269	SUBSIDIARY (5)
TGAM HK HC LLC	81-4323796	SUBSIDIARY (6)
Nuveen Hong Kong Limited		SUBSIDIARY
TGAM Asia LLC	81-4306975	SUBSIDIARY (7)
TGAM HK HC LLC	81-4323796	SUBSIDIARY (6)
TIAA International APAC LLC	81-4499397	SUBSIDIARY (8)
TGAM HK HC LLC	81-4323796	SUBSIDIARY (6)
TIAA International Asia LLC	81-4359164	SUBSIDIARY (9)
TGAM HK HC LLC	81-4323796	SUBSIDIARY (6)
TIAA International Subsidiary HC LLC	81-4390558	SUBSIDIARY
TGAM APAC LLC	81-4290269	SUBSIDIARY (5)
TGAM Asia LLC	81-4306975	SUBSIDIARY (7)
TIAA International APAC LLC	81-4499397	SUBSIDIARY (8)
TIAA International Asia LLC	81-4359164	SUBSIDIARY (9)
TGAM APAC LLC	81-4290269	SUBSIDIARY (5)
TGAM Asia LLC	81-4306975	SUBSIDIARY (7)
TIAA International APAC LLC	81-4499397	SUBSIDIARY (8)
TIAA International Asia LLC	81-4359164	SUBSIDIARY (9)
Nuveen Real Estate Property Holdings L.L.C.	06-1217855	SUBSIDIARY
Casa Partners VI GP, LLC	30-0794692	SUBSIDIARY
Casa Partners VII GP, LLC	47-5190671	SUBSIDIARY
CASA Partners VIII GP, LLC	82-4363605	SUBSIDIARY
Global Investors GP, L.L.C.	36-4477806	SUBSIDIARY
Global Investors GP II, L.L.C.	20-2537749	SUBSIDIARY
Global Investors GP IV, L.L.C.	20-3070768	SUBSIDIARY
TCGA BT AIV, LLC	46-5367344	SUBSIDIARY
TCGA Investor Fund GP, LLC	45-5139523	SUBSIDIARY
TCGA II Investor Fund GP, LLC	47-3511076	SUBSIDIARY
TGAM International GP LLC	81-4330570	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
Nuveen Real Estate Global LLC	81-4262469	SUBSIDIARY
Nuveen Global Investments LLC	26-2748598	SUBSIDIARY
Nuveen GP Holding Company LLC	82-2986445	SUBSIDIARY
Nuveen CRED GP Member LLC	82-4558778	SUBSIDIARY
CRED GP LLC	82-3751720	SUBSIDIARY
U.S. Cities Office Fund GP LLC		SUBSIDIARY
U.S. Cities Office Fund LP		SUBSIDIARY
U.S. Cities Office Fund REIT LLC	61-1914684	SUBSIDIARY
U.S. Cities Office Fund Operating GP LLC		SUBSIDIARY
U.S. Cities Office Fund Operating LP	36-4919858	SUBSIDIARY
USCOF Maryland Farms Holdings LLC		SUBSIDIARY
U.S. Cities Office Fund Maryland Farms Co-Invest		SUBSIDIARY (10)
VRE-NRE Maryland Farms Venture		SUBSIDIARY
U.S. Cities Retail Fund GP LLC	82-4054235	SUBSIDIARY
U.S. Cities Multifamily Fund GP LLC	35-2633108	SUBSIDIARY
Nuveen Permian Investor Asset Manager Member LLC	81-5466713	SUBSIDIARY
Permian Investor Asset Manager LLC	82-0631410	SUBSIDIARY
Nuveen Real Estate Global Cities Advisors LLC	82-3426937	SUBSIDIARY
Nuveen Real Estate Project Management Services LLC	84-2502695	SUBSIDIARY
TIAA International Holdings 1 Limited	46-1162850	SUBSIDIARY
Nuveen Real Estate Limited	98-1125673	SUBSIDIARY (11)
TIAA International Holdings 2 Limited	46-1163394	SUBSIDIARY
TIAA International Holdings 3 Limited		SUBSIDIARY
Nuveen Real Estate Limited	98-1125673	SUBSIDIARY (11)
Nuveen Administration Ltd	98-1127648	SUBSIDIARY
Nuveen Europe Holdings Limited	98-1128805	SUBSIDIARY
Henderson European Retail Property Fund Management Sarl		SUBSIDIARY
Nuveen Alternatives Europe S.à.r.l		SUBSIDIARY
Nuveen Asset Management Europe S.à.r.l		SUBSIDIARY
Nuveen Fund (Europe) Management S.à.r.l		SUBSIDIARY
Nuveen Fund Management (Jersey) Limited		SUBSIDIARY
Asia Pacific Cities Management S.à.r.l		SUBSIDIARY
Nuveen Management AIFM Limited		SUBSIDIARY
Nuveen Management Company (Luxembourg) No 1 S.à.r.l		SUBSIDIARY
Nuveen Property Management (Jersey) Limited		SUBSIDIARY
Nuveen Real Estate Services GmbH (Austria)		SUBSIDIARY
Nuveen FCACO Ltd	98-1128787	SUBSIDIARY
Nuveen Real Estate Management Ltd		SUBSIDIARY
Nuveen Shopping Centre Verwaltungs GmbH		SUBSIDIARY
TIAA-CREF Asset Management UK Ltd	98-0582851	SUBSIDIARY

- (1) AGR Services LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by AGR Partners LLC and 1% owned by Nuveen Alternative Holdings, LLC.
- (2) Greenwood Resources Brasil, Ltda. is ultimately controlled and owned entirely by TIAA, with 99% owned by Greenwood Resources Forest Management, LLC and 1% owned by GreenWood Resources, Inc.
- (3) CAM HR Resources LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by Churchill Asset Management LLC and 1% owned by Nuveen Alternative Holdings, LLC.
- (4) TIAA European Farmland Fund GP LP is ultimately controlled and owned entirely by TIAA, with 50% owned by Nuveen Alternative Services, LLC and 50% owned by TEFF Holdco LLC
- (5) TGAM APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
- (6) TGAM HK HC LLC is ultimately controlled and owned entirely by TIAA, with TGAM APAC LLC, TGAM Asia LLC, TIAA International APAC LLC and TIAA International Asia LLC each owning 25%
- (7) TGAM Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
- (8) TIAA International APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
- (9) TIAA International Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
- (10) U.S. Cities Office Fund Maryland Farms Co-Invest is ultimately controlled and owned entirely by TIAA, with 51% owned by USCOF Maryland Farms Holdings LLC and 49% owned by TGA Maryland Farms Holdings LLC.
- (11) Nuveen Real Estate Limited is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA International Holdings 3, Ltd. and 1% owned by TIAA International Holdings 1, Ltd.

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP

PART 1 - ORGANIZATIONAL CHART

LISTING 1 (TIAA-CREF ASSET MANAGEMENT, LLC) (continued):

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
Nuveen Group Holdings Ltd	98-1127632	SUBSIDIARY
Anglo-Sino Henderson Investment Consultancy (Beijing) Co Limited		SUBSIDIARY
CLOF II (GP) Limited		SUBSIDIARY
CLOF II Vanguish Limited		SUBSIDIARY
CLOF II (No 1 GP) Limited		SUBSIDIARY
CLOF II (No1 Nominee) Limited		SUBSIDIARY
CLOF II (No 2 GP) Limited		SUBSIDIARY
CLOF II (No 3 GP) Limited	98-1165678	SUBSIDIARY
Enhanced Debt Carry (GP) S.a.r.l		SUBSIDIARY
ERES APAC II (GP) S.a.r.l		SUBSIDIARY
ERES Europe II (GP) S.a.r.l		SUBSIDIARY
European Cities Partnership (GP) S.a.r.l		SUBSIDIARY
European Cities Partnership SCSp		AFFILIATE (12)
Islazul General Partner S.a.r.l		SUBSIDIARY
Matador LP General Partner Limited		SUBSIDIARY
Nuveen Consulting (Shanghai) Co Ltd		SUBSIDIARY
Nuveen Corporate Secretarial Services Limited		SUBSIDIARY
Nuveen (France) SAS		SUBSIDIARY
Nuveen Immobilien GmbH		AFFILIATE
Nuveen Italy Srl		SUBSIDIARY
Nuveen Management Austria GmbH		SUBSIDIARY
Nuveen Management Finland Oy		SUBSIDIARY
Nuveen Operations Limited		SUBSIDIARY
Nuveen Real Estate (Australia) Ltd		SUBSIDIARY
Nuveen Real Estate Debt Partners (GP) Sarl		SUBSIDIARY
Nuveen Real Estate Debt Partners II (GP) S.a.r.l		SUBSIDIARY
Global Real Estate Debt Partners – Fund II (UK) SCSp		AFFILIATE (13)
Nuveen Real Estate Nominees Limited		SUBSIDIARY
Nuveen Singapore Private Limited		SUBSIDIARY
OMP (GP) Limited		SUBSIDIARY
T-C Lux Investments GP S.a.r.l		SUBSIDIARY
TH Real Estate Limited		SUBSIDIARY
TIAA-CREF Luxembourg S.a.r.l	98-1014834	SUBSIDIARY
Tokyo Multifamily GP PTE Ltd		SUBSIDIARY
UK OM (LP1) (GP) Limited		SUBSIDIARY
UK OM (LP1) Limited		SUBSIDIARY
UK OM (LP2) (GP) Limited		SUBSIDIARY
UK OM (LP2) Limited		SUBSIDIARY
UK OM (LP3) (GP) Limited		SUBSIDIARY
UK OM (LP3) Limited		SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
TIAA Global Ag Special Member LLC	81-1749609	SUBSIDIARY
T-C U.S. Super Regional Mali Fund GP LLC	47-3126089	SUBSIDIARY
U.S. Cities Fund GP, LLC	20-1394681	SUBSIDIARY
U.S. Cities Industrial CPF Fund GP LLC	81-3647870	SUBSIDIARY
U.S. Cities Industrial Fund GP LLC		SUBSIDIARY
U.S. Cities Multifamily CPF Fund GP LLC	81-3698954	SUBSIDIARY
U.S. Cities Office CPF Fund GP LLC	81-3734470	SUBSIDIARY
U.S. Cities Retail CPF Fund GP LLC	81-3493929	SUBSIDIARY
Westchester Group Investment Management Holding Company, Inc.	27-3416812	SUBSIDIARY
Westchester Group Investment Management, Inc.	27-3417683	SUBSIDIARY
Plata Wine Partners, LLC	87-0735518	SUBSIDIARY
Terra Land Co.	37-1261935	SUBSIDIARY
The Plata Wine Partners Trust	37-6589484	SUBSIDIARY
Westchester Group Farm Management, Inc.	37-1193973	SUBSIDIARY
Westchester Group of Australia Pty Ltd.		SUBSIDIARY
Westchester Group of Chile		SUBSIDIARY
Westchester Group of Europe Ltd.		SUBSIDIARY
Westchester Group SRL		SUBSIDIARY (14)
Westchester Group of Poland Sp. Z.o.o.		SUBSIDIARY
Westchester Group SRL		SUBSIDIARY (14)
Westchester Group Real Estate, Inc.	37-1194491	SUBSIDIARY
Westchester Group South America Gestao de Investimentos Ltda.		SUBSIDIARY (15)
Westchester Group South America Gestao de Investimentos Ltda.		SUBSIDIARY (15)
Westchester NGFF Investment LLC	84-3766552	SUBSIDIARY

LISTING 2 (NUVEEN FINANCE, LLC):

COMPANY	FEIN	RELATIONSHIP
Nuveen Holdings 1, Inc.	81-3425820	SUBSIDIARY
Nuveen Holdings, Inc.	26-0373294	SUBSIDIARY
Nuveen Investments, Inc.	36-3817266	SUBSIDIARY
Gresham Asset Management LLC	26-0627593	SUBSIDIARY
Gresham Investment Management LLC	20-1930384	SUBSIDIARY
Gresham Investment Management Asia Pte. Ltd.		SUBSIDIARY
Nuveen Alternative Investments, LLC	36-4839486	SUBSIDIARY
Nuveen Capital Markets LLC	83-3751978	SUBSIDIARY
Symphony Alternative Asset Management LLC	83-4025630	SUBSIDIARY
Nuveen Fund Advisors, LLC	31-0942504	SUBSIDIARY
Nuveen Asset Management, LLC	27-4357327	SUBSIDIARY
NIS/R&T, Inc.	36-3293941	SUBSIDIARY
Nuveen WCM Holdings, LLC	37-1695518	SUBSIDIARY
Winslow Capital Management, LLC	90-0860898	SUBSIDIARY
Growth Capital GP I, LLC	81-0730906	SUBSIDIARY
Nuveen NWQ Holdings, LLC	36-4709028	SUBSIDIARY
NWQ Partners, LLC	30-0892190	SUBSIDIARY
NWQ Investment Management Company, LLC	47-0875103	SUBSIDIARY
Nuveen Securities, LLC	36-2639476	SUBSIDIARY
Santa Barbara Asset Management, LLC	20-3432117	SUBSIDIARY
Symphony Asset Management LLC	94-3252504	SUBSIDIARY (16)
Nuveen Investments Holdings, Inc.	36-7364377	SUBSIDIARY
Symphony Asset Management LLC	94-3252504	SUBSIDIARY (16)
Symphony Risk Retention Finance LLC		SUBSIDIARY
SRR 1 LLC	30-1032009	SUBSIDIARY
Teachers Advisors, LLC	13-3760073	SUBSIDIARY
Colinvest Member LLC	82-1157427	SUBSIDIARY
CLO Colinvest I LLC		SUBSIDIARY
Nuveen TALF Opportunities GP, LLC		SUBSIDIARY

(12) European Cities Partnership SCSp is owned 29.8% by T-C Lux Investments Special Limited Partnership and 1% by European Cities Partnership (GP) S.a.r.l.

(13) Global Real Estate Debt Partners – Fund II (UK) SCSp is ultimately controlled by TIAA, with 18.75% owned by TIAA and 0.5% owned by Nuveen Real Estate Debt Partners II (GP) S.a.r.l.

(14) Westchester Group SRL is controlled and owned entirely by TIAA, with 99% owned by Westchester Group of Europe Ltd. and 1% owned by Westchester Group of Poland Sp. Z.o.o.

(15) Westchester Group South America Gestao de Investimentos Ltda. is controlled and owned entirely by TIAA, with 99% owned by Westchester Group Investment Management, Inc. and 1% owned by Westchester Group Real Estate, Inc.

(16) Symphony Asset Management, LLC is ultimately controlled and owned entirely by TIAA, with 51% owned by Nuveen Investments, Inc. and 49% owned by Nuveen Investments Holdings, Inc.

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP
PART 1 - ORGANIZATIONAL CHART

LISTING 3:

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
485 Properties, LLC	13-3987258	SUBSIDIARY	Ceres Agricultural Properties, LLC	56-2672630	SUBSIDIARY	Global Real Estate Debt Partners – Fund II (UK) SCSp		AFFILIATE (13)
TCPC Associates LLC	18-13391169	SUBSIDIARY	Premiere Farm Properties, LLC	37-1555922	SUBSIDIARY	GreshamQuant CMS Fund LP	20-1830384	SUBSIDIARY
730 Data Centers, LLC	81-3091169	SUBSIDIARY	Loma del Rio Vineyards, LLC	80-0843991	SUBSIDIARY (19)	GreshamQuant ACAR Fund LLC	32-0509812	SUBSIDIARY
730 Aviator, LLC	82-0793232	SUBSIDIARY	Premiere Columbia Properties, LLC	36-4620107	SUBSIDIARY	Growth Capital Fund I, L.P.	81-0737062	SUBSIDIARY
730 Databridge, LLC	81-3106043	SUBSIDIARY	Premiere Farm Properties, LLC	30-0449681	SUBSIDIARY	Growth Capital Fund II, L.P.		SUBSIDIARY
730 Power Development, LLC	47-2616735	SUBSIDIARY	Demeter Agricultural Properties II, LLC	26-3484719	SUBSIDIARY	Hillhouse China Value Fund, L.P.		SUBSIDIARY
730 Carroll, LLC	47-2622825	SUBSIDIARY	International Agricultural Investors, LLC	26-0352203	SUBSIDIARY	ICI Partners Onshore Fund		SUBSIDIARY
730 Cricket, LLC		SUBSIDIARY	IAI Australia Pty. Ltd.		SUBSIDIARY	Inception GP LLC		SUBSIDIARY
730 Telecom LLC	47-5363027	SUBSIDIARY	IAI Australia Trust		SUBSIDIARY	Inception Partners IV, LP	46-2031403	AFFILIATE
730 Transmission, LLC		SUBSIDIARY	IAI USA, LLC	26-0460488	SUBSIDIARY	Inception Partners V, LP	46-2062147	AFFILIATE
730 Hotspur, LLC		SUBSIDIARY	International Agricultural Investors Fund II, LLC	26-2745365	SUBSIDIARY	Infra Alpha, LLC	27-4149157	SUBSIDIARY
730 Texas Forest Holdings, Inc.	13-4042885	SUBSIDIARY	IAI Australia Fund II, Pty. Ltd.		SUBSIDIARY	EMG Investments, LLC	27-3900641	AFFILIATE
730 Texas Timberlands II, Ltd.	51-0494351	SUBSIDIARY (17)	IAI Australia Fund II Trust		SUBSIDIARY	Lewis & Clark Timberlands, LLC	47-4169877	SUBSIDIARY
730 Texas Timberlands, Ltd.	13-4042888	SUBSIDIARY (18)	IAI USA Fund II, LLC	26-2747755	SUBSIDIARY	L&C Log Co, LLC	47-4187541	SUBSIDIARY
730 Texas Timberlands II, Ltd.	51-0494351	SUBSIDIARY (17)	Churchill Middle Market CLO IV Ltd.	98-1402136	SUBSIDIARY	L&C Tree Farms, LLC	47-4196668	SUBSIDIARY
TIAA Timberlands I, LLC	13-4040842	SUBSIDIARY	Churchill Middle Market Senior Loan Fund, LP	81-1810508	SUBSIDIARY	L&C TRS LLC	47-5300478	SUBSIDIARY
730 Texas Timberlands, Ltd.	13-4042888	SUBSIDIARY (18)	CPF/UIR JV Member LLC	81-2914954	SUBSIDIARY	Liberty M & R SPV II, LP	27-2007833	SUBSIDIARY
TIAA Timberlands II, LLC	13-4085431	SUBSIDIARY	CPF/UIR Joint Venture LLC	81-2928112	SUBSIDIARY	Mansilla Participacoes LTDA		SUBSIDIARY
Actoil, LLC	38-3847245	SUBSIDIARY	CPF 636 Sixth Avenue LLC	81-2955427	SUBSIDIARY	Radar Propriedades Agricolas S.A.		SUBSIDIARY (22)
Actoil Colorado, LLC	46-3373066	SUBSIDIARY	T-C 636 Sixth Avenue Retail LLC	47-2264739	SUBSIDIARY	Nova Amaralina S.A. Propriedades Agricolas		SUBSIDIARY
Great Western Petroleum LLC		AFFILIATE	CPF 856 Market Street LLC	81-2982618	SUBSIDIARY	Nova Agricola Ponte Alta S.A.		SUBSIDIARY
ASC Holdings, LLC		AFFILIATE	CPF 1511 Third Avenue LLC	81-2973332	SUBSIDIARY	Nova Santa Barbara Agricola S.A.		SUBSIDIARY
BRE Jupiter Holdco UT DC, LLC		SUBSIDIARY	T-C 1608 Chestnut General Partner LLC		SUBSIDIARY	Terras da Ponte Alta S.A.		SUBSIDIARY
BRE Jupiter Mezz 2 UT DC, LLC		SUBSIDIARY	1608 Chestnut Partners LP		SUBSIDIARY (20)	Radar II Propriedades Agricolas S.A.		AFFILIATE
BRE Jupiter Mezz 1 UT DC, LLC		SUBSIDIARY	T-C 1608 Chestnut Limited Partner LLC		SUBSIDIARY	Proud Participacoes S.A.		AFFILIATE
BRE Jupiter UT DC, LLC		SUBSIDIARY	1608 Chestnut Partners LP		SUBSIDIARY (20)	Radar Propriedades Agricolas S.A.		AFFILIATE (22)
BRE Jupiter Holdco Agave DC, LLC		SUBSIDIARY	Demeter Agricultural Properties, LLC	26-3049305	SUBSIDIARY	Vale De Ponte Alta S.A.		AFFILIATE
BRE Jupiter Mezz 2 Agave DC, LLC		SUBSIDIARY	Dionysus Properties, LLC	45-2632248	SUBSIDIARY	Bioinvestments Negocios e Participacoes		AFFILIATE
BRE Jupiter Mezz 1 Agave DC, LLC		SUBSIDIARY	Silverado Premium Properties, LLC	94-3306131	SUBSIDIARY	Aguas de Ponte Alta S.A.		AFFILIATE
Broadleaf Timberland Investments, LLC	46-1952974	SUBSIDIARY	Arroya Loma, LLC	68-0436609	SUBSIDIARY	MM Funding, LLC	13-1624203	SUBSIDIARY
Quercus Forestland Account, LLC	26-4647417	SUBSIDIARY	Chalk Ridge Vineyard, LLC	75-3025596	SUBSIDIARY	MyWest Corporation	47-0902011	SUBSIDIARY
Quercus Panama, LLC		SUBSIDIARY	Hobson Avenue Vineyard, LLC	20-3964695	SUBSIDIARY	NGFF Holdco, LLC	84-2320652	SUBSIDIARY
Quercus Algoma Corporation		SUBSIDIARY	Marsino Vineyard, LLC	26-1542713	SUBSIDIARY	Nuveen Global Farmland Fund, LP	84-1895540	SUBSIDIARY
Quercus Algoma Land Corporation		SUBSIDIARY	Silverado Los Altos Vineyards, LLC	26-2103731	SUBSIDIARY	Global Farmland US Properties, LLC	84-1834824	SUBSIDIARY
Quercus West Virginia, LLC	46-2916514	SUBSIDIARY	Silverado SLO Vineyards, LLC	20-2490906	SUBSIDIARY	US Horticulture Farmland, LLC	84-1857338	SUBSIDIARY
Casa Student Housing Fund Holdings, LLC	47-2167228	SUBSIDIARY	Silverado Sonoma Vineyard, LLC	20-2103788	SUBSIDIARY	US Row Farmland, LLC	84-1842298	SUBSIDIARY
Shf-33d North Apts, LLC	47-3994280	SUBSIDIARY	SPP Napa Vineyards, LLC	68-0466083	SUBSIDIARY	US Viticulture Farmland, LLC	84-1880235	SUBSIDIARY
Shf-Millennium One Apts, LLC	47-4155469	SUBSIDIARY	Stanly Ranch Vineyards, LLC	94-3361818	SUBSIDIARY	Nuveen High Yield Municipal Opportunitites Fund LP		SUBSIDIARY
Shf-The Rocks Apts, LLC	81-2450195	SUBSIDIARY	Suscol Mountain Vineyards, LLC	26-3774024	SUBSIDIARY	Nuveen Municipal Opportunities Fund LP		SUBSIDIARY
PEP-TH CASA Student Housing, LLC	47-4455610	SUBSIDIARY	Terra Ventosa Vineyards, LLC	26-2766605	SUBSIDIARY	Nuveen Real Estate U.S. Strategic Industrial Fund I LP		SUBSIDIARY
CSHF-PEP Purdue LLC	47-4455303	SUBSIDIARY	Silverado Winegrowers Holdings, LLC	43-3997217	SUBSIDIARY	Occator Agricultural Properties, LLC	81-2429791	SUBSIDIARY
CSHF-PEP USF LLC	30-065548	SUBSIDIARY	Silverado Winegrowers LLC	68-0443927	SUBSIDIARY	AGR Agricultural Investments, LLC	26-4750562	SUBSIDIARY
CCM Series, LLC	13-1624203	SUBSIDIARY	Alta Loma Vineyard, LLC	94-3357571	SUBSIDIARY	Ridley Corporation Limited	46-1768969	AFFILIATE
CCAP Fund 6 - 2015, LP	47-4069196	SUBSIDIARY	Oak Knoll Napa Vineyards, LLC	94-3312405	SUBSIDIARY	Mandala Food Co-Investment Holdings II SPV		SUBSIDIARY
CCAP Fund 6 - 2016, LP	81-1205888	SUBSIDIARY	Silverado Suscol, LLC	91-1806950	SUBSIDIARY	Materra, LLC		AFFILIATE
CCAP Fund 6 - 2017, LP	81-4732595	SUBSIDIARY	SWG Paso Vineyard, LLC	45-4820104	SUBSIDIARY	Teays River Investments, LLC	45-1125143	AFFILIATE
CCAP Fund 6 - 2018, LP	82-3167398	SUBSIDIARY	DWM Inclusive Finance Equity Fund II	26-3561447	AFFILIATE	Distressed Companies Fund, LP	26-3561447	SUBSIDIARY
CCAP Fund 6 - 2019, LP	83-2787412	SUBSIDIARY	DWM Microfinance Equity Fund I	98-0580879	AFFILIATE	2234328 Alberta ULC		SUBSIDIARY
CCAP Fund 8 - 2015, LP	47-4079472	SUBSIDIARY	Envisage Information Systems, LLC	04-3718449	SUBSIDIARY	Polar Star Canadian Oil and Gas Holding, Inc.	26-4248579	SUBSIDIARY
CCAP Fund 8 - 2016, LP	81-1212188	SUBSIDIARY	EPP LFG I, LLC	30-0701953	AFFILIATE	Adastra Management, Inc.		SUBSIDIARY
CCAP Fund 8 - 2017, LP	81-3718876	SUBSIDIARY	Global Real Estate Debt Partners – Fund I (UK)		SUBSIDIARY (21)	Pinnacle Third Avenue, LP	26-3821015	AFFILIATE
CCAP Fund 8 - 2018, LP	82-3182368	SUBSIDIARY				Primary Residential Individual Mortgage Entity Trust	81-6646838	SUBSIDIARY
CCAP Fund 8 - 2019, LP	83-2793857	SUBSIDIARY						
CCAP Fund HFD, LP	81-0821374	SUBSIDIARY						
CCAP Fund HFND, LP	81-0758198	SUBSIDIARY						

(17) 730 Texas Timberlands II, Ltd. is ultimately controlled and owned entirely by TIAA, which directly owns 99.5%. 730 Texas Forest Holdings, Inc., which is owned 100% by TIAA, owns .5%.

(18) 730 Texas Timberlands, Ltd. is ultimately controlled and owned entirely by TIAA, with 99.5% owned by TIAA Timberlands I, LLC and .5% owned by 730 Texas Forest Holdings, Inc.

(19) Loma del Rio Vineyards, LLC is ultimately controlled and owned entirely by TIAA, with 45% owned by Premiere Agricultural Properties, LLC and 55% owned by Global Ag Properties USA, LLC.

(20) 1608 Chestnut Partners LP is ultimately controlled and owned entirely by TIAA, with 99% owned by T-C 1608 Chestnut Limited Partner LLC and 1% owned by T-C 1608 Chestnut General Partner LLC.

(21) Global Real Estate Debt Partners – Fund I (UK) is controlled by TIAA, which owns 36.3%. T-C Lux Investments Special Limited Partnership, which is 100% owned by TIAA, owns 24.3%.

(13) Global Real Estate Debt Partners – Fund II (UK) SCSp is ultimately controlled by TIAA, with 18.75% owned by TIAA and 0.5% owned by Nuveen Real Estate Debt Partners II (GP) S.à.r.l.

(22) Radar Propriedades Agricolas S.A. is owned 65.77% by Mansilla Participacoes LTDA and 15.31% by Radar II Propriedades Agricolas S.A..

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP

PART 1 - ORGANIZATIONAL CHART

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
ND Properties, Inc.	11-3034756	SUBSIDIARY	ND Properties, Inc. (continued)			New York City Property Fund II LP	82-4183425	SUBSIDIARY
Norteshopping - Retail and Leisure		SUBSIDIARY	60 Great Portland Street Unit Trust		AFFILIATE	New York City Property Fund REIT LLC	83-487892	SUBSIDIARY
Norteshopping - Centro Commercial, S.A.		SUBSIDIARY	SMA Holding S.à r.l.		AFFILIATE	New York City Fund Operating GP LLC	83-4701919	SUBSIDIARY
ND Europe S.à r.l.		SUBSIDIARY	70 St Mary Axe Unit Trust		AFFILIATE	New York City Property Fund Operating LP	83-4671194	SUBSIDIARY
ND Europe Office Holding S.à r.l.		SUBSIDIARY	HV Properties S.à r.l.		AFFILIATE	125 West End Investors LLC	84-3388831	SUBSIDIARY
Cityhold Nymphe S.à r.l.		AFFILIATE	HV Freehold S.à r.l.		AFFILIATE	125 West End Holdings LLC		SUBSIDIARY
Cityhold Propco 11 S.à r.l.		AFFILIATE	TIAA Lux 9 S.à r.l.		AFFILIATE	125 West End Associates LLC	83-4653622	SUBSIDIARY
Cityhold Euro S.à r.l.		AFFILIATE	SAS Malachite		AFFILIATE	Renewable Timber Europe, LLC	45-2792614	SUBSIDIARY
Cityhold Office Partnership S.à r.l.		AFFILIATE	SNC Garnet-TIAA		AFFILIATE	Renewable Timber Netherlands B.V.		SUBSIDIARY
CHOP OPCl		AFFILIATE	SNC La Defense		AFFILIATE	Topola Lasy Spolka z o.o.		SUBSIDIARY
Cityhold Iconic Holding SAS	98-1435873	AFFILIATE	SNC Lazuli		AFFILIATE	Renewable Timber Resources, LLC	61-1640765	SUBSIDIARY
Cityhold Iconic Hotel SNC	98-1433967	AFFILIATE	SNC Peridot		AFFILIATE	Forestal y Agrícola Silvovigna Chile Limitada		SUBSIDIARY
Cityhold Iconic Office SCI	98-1433956	AFFILIATE	T-C Neuperlach Development S.à r.l.		SUBSIDIARY	Siguler Guff Third Avenue, L.P.	03-0543113	SUBSIDIARY
Cityhold Iconic Retail SNC	98-1433960	AFFILIATE	T-C Pep Holding S.à r.l.		SUBSIDIARY	Social Infra, LLC		SUBSIDIARY
Cityhold Iconic Youth Hostel SNC	98-1433975	AFFILIATE	T-C Pep Property S.à r.l.		SUBSIDIARY	Stichting Bewaarder Ziemla Fund		AFFILIATE
Cityhold Nymphe S.à r.l.		AFFILIATE	T-C Pep Asset S.à r.l.		SUBSIDIARY	T-C 400 Montgomery, LLC	81-2525521	SUBSIDIARY
Cityhold Propco 6 S.à r.l.		AFFILIATE	TIAA Lux 11 S.à r.l.		SUBSIDIARY	400 Montgomery Investors, LLC		SUBSIDIARY
Cityhold Iconic Hotel OPCO SAS	98-1433939	AFFILIATE	Gropius Passagen Verwaltungs GmbH		SUBSIDIARY	T-C 685 Third Avenue Member, LLC	27-4123754	SUBSIDIARY
Cityhold Iconic Investment S.à r.l.	98-1435880	AFFILIATE	Gropius Passagen GmbH & Co KG		SUBSIDIARY	T-C 685 Third Avenue, LLC	27-3095569	SUBSIDIARY
Cityhold Propco 9 S.à r.l.		AFFILIATE	Gropius S.à r.l.		SUBSIDIARY	T-C 685 Third Avenue Owner LLC	61-1754745	SUBSIDIARY
36 Rue La Fayette SAS		AFFILIATE	Gropius Passagen GmbH & Co KG		SUBSIDIARY	T-C 699 Bourke Street LLC	46-4969690	SUBSIDIARY
SAS Roosevelt		AFFILIATE	TIAA Lux 5 S.à r.l.		SUBSIDIARY	T-C Australia RE Holdings I, LLC	81-2490530	SUBSIDIARY
SNC Roosevelt		AFFILIATE	Erfangen Arcaden GmbH & Co. KG		SUBSIDIARY	T-C Australia RE Holdings II, LLC	81-2506975	SUBSIDIARY
Roosevelt Participation S.à r.l.		AFFILIATE	U.S. Cities Fund, LP	20-1371171	SUBSIDIARY	TIAA Australia Real Estate Trust		SUBSIDIARY
SNC Roosevelt		AFFILIATE	U.S. Cities Fund REIT, LLC	20-1371379	SUBSIDIARY	TIAA Melbourne Retail Holding 1 Trust		SUBSIDIARY
Courcelles 70 SAS		AFFILIATE	U.S. Cities Fund Operating GP LLC	20-1364650	SUBSIDIARY	TGA Miller Street Trust		SUBSIDIARY
Cityhold Euro S.à r.l.		AFFILIATE	U.S. Cities Fund Operating, LP	20-1371235	SUBSIDIARY	TIAA Melbourne Retail Holding 1 Trust		SUBSIDIARY
Cityhold Propco 7 S.à r.l.		AFFILIATE	T-C Falls Center Townhouses LLC	46-5061808	SUBSIDIARY	TIAA Melbourne Retail Asset 1 Trust		SUBSIDIARY
Cityhold Propco 10 S.à r.l.		AFFILIATE	T-C King Street Station LLC	26-1700245	SUBSIDIARY	TGA Australia Real Estate Trust 2		SUBSIDIARY
Cityhold Gouden Bocht B.V.		AFFILIATE	T-C Trio Apartments LLC	45-2892182	SUBSIDIARY	TGA PBSA Hold Trust		SUBSIDIARY
Cityhold Gouden Bocht Monumenten B.V.		AFFILIATE	U.S. Cities Industrial CPF Fund LP	81-3738136	SUBSIDIARY	TGA PBSA Asset Trust 1		SUBSIDIARY
Redevelopment Property II B.V.	98-1438380	AFFILIATE	U.S. Cities Industrial CPF Fund REIT LLC	81-3681230	SUBSIDIARY	TGA PBSA Asset Trust 2		SUBSIDIARY
Cityhold Propco 12 S.à r.l.		AFFILIATE	U.S. Cities Industrial CPF Fund Operating GP LLC	81-3671343	SUBSIDIARY	TGA PBSA Asset Trust 3		SUBSIDIARY
Cityhold EST Investment S.à r.l.		AFFILIATE	T-C Falls Center CPF Fund Operating LP	81-3757117	SUBSIDIARY	TGA PBSA Hold Trust 2		SUBSIDIARY
Cityhold Prinses Cooperatief U.A.		AFFILIATE	U.S. Cities Multifamily CPF Fund LP	81-3765537	SUBSIDIARY	TGA PBSA Asset Trust 4		SUBSIDIARY
Cityhold Prinses AcquiCo Cooperatief BV		AFFILIATE	U.S. Cities Multifamily CPF Fund REIT LLC	81-3870674	SUBSIDIARY	T-C Europe Holding Inc.	47-2363168	SUBSIDIARY
Arc Portfolio Owner Prinses B.V.		AFFILIATE	U.S. Cities Multifamily CPF Fund Operating GP LLC	81-3716920	SUBSIDIARY	T-C Europe LP	47-2369576	SUBSIDIARY
Cityhold GC Investment S.à r.l.		AFFILIATE	U.S. Cities Multifamily CPF Fund Operating LP	81-3794611	SUBSIDIARY	T-C Europe LP	47-2369576	SUBSIDIARY
OVG Cloud S.à r.l.		AFFILIATE	U.S. Cities Office CPF Fund LP	81-3814378	SUBSIDIARY	T-C Europe S.à r.l.		SUBSIDIARY
Cityhold Sterling S.à r.l.		AFFILIATE	U.S. Cities Office CPF Fund REIT LLC	81-3911937	SUBSIDIARY	Nightingale LuxCo S.à r.l.		SUBSIDIARY
Cityhold UK Holding S.à r.l.		AFFILIATE	U.S. Cities Office CPF Fund Operating GP LLC	81-3881522	SUBSIDIARY	T-C Nordics Investment AB		SUBSIDIARY
Cityhold UK Investment S.à r.l.		AFFILIATE	U.S. Cities Office CPF Fund Operating LP	81-3839479	SUBSIDIARY	Sweden Nova Lund 1 AB		SUBSIDIARY
London Belgrave Unit Trust		AFFILIATE	U.S. Cities Retail CPF Fund LP	81-3437405	SUBSIDIARY	Sweden Nova Lund 2 AB		SUBSIDIARY
New Fetter Lane Unit Trust		AFFILIATE	U.S. Cities Retail CPF Fund REIT LLC	81-3573421	SUBSIDIARY	T-C Luxembourg Neptune Holdings S.à r.l.		SUBSIDIARY
60 Great Portland Street Unit Trust		AFFILIATE	U.S. Cities Retail CPF Fund Operating GP LLC	81-3578259	SUBSIDIARY	T-C Neptune Holdings S.à r.l.		SUBSIDIARY
70 St Mary Axe Unit Trust		AFFILIATE	U.S. Cities Retail CPF Fund Operating LP	81-3473773	SUBSIDIARY	Neptune Property Venture S.à r.l.		SUBSIDIARY
London Belgrave Unit Trust		AFFILIATE	TCAM Core Prop Fund REIT 2 LLC	47-4935916	SUBSIDIARY	T-C Polaris HoldCo I SRL		SUBSIDIARY
CLOF Victoria Nominee 1 Limited		AFFILIATE				Neptune Holding Spain, S.L.		SUBSIDIARY
CLOF Victoria Nominee 2 Limited		AFFILIATE				Promcat Alternativa, S.L.		SUBSIDIARY
New Fetter Lane Unit Trust		AFFILIATE				Neptune Madrid Holdco S.L.		SUBSIDIARY

(23) Cityhold Nymphe S.à r.l. (Nymphe) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.à r.l., which owns 88% of Nymphe, and 3% owned by wholly-owned ND Europe Office Holding S.à r.l.

(24) Cityhold Euro S.à r.l. (CES) is owned by TIAA via a 25% ownership of Cityhold Propco 9 S.à r.l., which owns 88% of CES, and 3% owned by wholly-owned ND Europe Office Holding S.à r.l.

(25) SNC Roosevelt is owned by TIAA via a 25% ownership of Cityhold Propco 9 S.à r.l., which owns SAS Roosevelt (99.99% of SNC Roosevelt) and Roosevelt Participation S.à r.l. (0.01%).

(26) London Belgrave Unit Trust (LBUT) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.à r.l., which owns Cityhold UK Holding S.à r.l. (99.8% of LBUT) and Cityhold UK Investment S.à r.l. (0.2%).

(27) New Fetter Lane Unit Trust (NFLUT) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.à r.l., which owns Cityhold UK Holding S.à r.l. (99.9% of NFLUT) and Cityhold UK Investment S.à r.l. (0.1%).

(28) 60 Great Portland Street Unit Trust (60GPS) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.à r.l., which owns Cityhold UK Holding S.à r.l. (99.4% of 60GPS) and Cityhold UK Investment S.à r.l. (0.6%).

(29) 70 St. Mary Axe Unit Trust (SMAUT) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.à r.l., which owns SMA Holding S.à r.l. (99.9% of SMAUT) and Cityhold UK Investment S.à r.l. (0.1%).

(30) Gropius Passagen GmbH & Co KG is controlled by TIAA, and partially owned by Gropius S.à r.l., which owns 99.8% and TIAA Lux 11 S.à r.l. which owns 0.16%.

(31) T-C Europe LP is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA and 1% owned by T-C Europe Holding, Inc.

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP
PART 1 - ORGANIZATIONAL CHART

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
T-C Europe, LP (continued)			T-C GA Real Estate Holdings, LLC (continued)			T-C Waterford Blue Lagoon General Partner, LLC	47-5379777	SUBSIDIARY
Neptune Polish Property Venture BV			T-C 888 Brannan Member LLC	46-4685824	SUBSIDIARY	T-C Waterford Blue Lagoon LP	47-5392075	SUBSIDIARY (35)
Neptune Krakow SP. z.o.o.		SUBSIDIARY	T-C 888 Brannan Venture LLC	47-4684031	SUBSIDIARY	T-C Waterford Blue Lagoon, LLC	47-5375805	SUBSIDIARY
Neptune Annapol SP. z.o.o.		SUBSIDIARY	T-C 888 Brannan Owner LLC	47-4674147	SUBSIDIARY	Waterford Blue Lagoon LP	47-5392075	SUBSIDIARY (35)
Neptune Poznan SP. z.o.o.		SUBSIDIARY	T-C 888 Brannan TRS, LLC	47-5605381	SUBSIDIARY	Westland At Waterford REIT General Partner LLC	81-0779817	SUBSIDIARY
Neptune OPCI SAS		SUBSIDIARY	T-C 2300 Broadway, LLC	45-3479701	SUBSIDIARY	Westland At Waterford REIT LP	47-5321319	SUBSIDIARY
Roppenheim Holding SAS		SUBSIDIARY	T-C Aspira LLC	46-1220681	SUBSIDIARY	Westland At Waterford General Partner LLC	47-5635267	SUBSIDIARY
Roppenheim Outlet SNC		SUBSIDIARY (32)	T-C Franklin Square Member, LLC	46-1791581	SUBSIDIARY	Westland At Waterford Operating LP	47-5580924	SUBSIDIARY
Neptune Property Holding S.à r.l.		SUBSIDIARY	T-C Franklin Square Venture LLC	46-1794486	SUBSIDIARY	Waterford Blue Lagoon REIT General Partner LLC		SUBSIDIARY
Neptune Amsterdam B.V.		SUBSIDIARY	TIAA Franklin Square, LLC	26-0011770	SUBSIDIARY	Waterford Blue Lagoon REIT LP	47-5305678	SUBSIDIARY
Silesia Outlet sp. z.o.o.		SUBSIDIARY	T-C Hall of States Member LLC	47-2023405	SUBSIDIARY	5201-5301 Waterford General Partner LLC	47-5642524	SUBSIDIARY
Neptune Roppenheim Holding S.à r.l.		SUBSIDIARY	T-C Hall of States Venture LLC	47-2043468	SUBSIDIARY	5201-5301 Waterford Operating LP	47-5541032	SUBSIDIARY
Roppenheim Outlet SNC		SUBSIDIARY (32)	T-C Hall of States Owner LLC	47-2034237	SUBSIDIARY	5200 Waterford General Partner LLC	47-5672651	SUBSIDIARY
Neptune Vicollungo I S.r.l.		SUBSIDIARY	T-C Kings Crossing, LLC	45-4045658	SUBSIDIARY	5200 Waterford Operating LP	47-5498897	SUBSIDIARY
T-C GA Real Estate Holdings, LLC	45-2877772	SUBSIDIARY	T-C Legacy Place Member, LLC	46-1120016	SUBSIDIARY	1000 Waterford General Partner LLC	81-0722154	SUBSIDIARY
8 Spruce Street GA Investor, LLC	46-0959792	SUBSIDIARY	Legacy Place Associates, LLC	46-0876833	SUBSIDIARY	1000 Waterford Operating LP	47-5479437	SUBSIDIARY
FC 8 Spruce Holdings, LLC	46-1403221	AFFILIATE	300 Legacy Place Boulevard LLC		SUBSIDIARY	701-703 Waterford General Partner LLC	47-5445045	SUBSIDIARY
FC 8 Spruce Street Residential, LLC		AFFILIATE	Legacy Place Properties, LLC		SUBSIDIARY	701-703 Waterford Operating LP	47-5471474	SUBSIDIARY
2300 Broadway Storage Operator LLC	84-2144204	SUBSIDIARY	T-C Republic Square Member LLC	47-2903922	SUBSIDIARY	Waterford Core REIT General Partner LLC	82-2631273	SUBSIDIARY
Nuveen Global Cities REIT, Inc.	82-1419222	SUBSIDIARY	T-C Republic Square Venture LLC	47-2867784	SUBSIDIARY	Waterford Core REIT LP	82-2646233	SUBSIDIARY
Nuveen Global Cities REIT LP, LLC	82-1502883	SUBSIDIARY	T-C Republic Square REIT LLC	47-3033681	SUBSIDIARY	Waterford Core 800 REIT General Partner LLC		SUBSIDIARY
Nuveen Global Cities REIT OP, LP	82-1507998	SUBSIDIARY	T-C Republic Square Mezzanine LLC	47-3091198	SUBSIDIARY	Waterford Core 800 REIT LP	84-3541603	SUBSIDIARY
NR 844 North LLC	82-3527067	SUBSIDIARY	T-C Republic Square Owner LLC	47-2793452	SUBSIDIARY	Waterford Core General Partner LLC	81-0733012	SUBSIDIARY
NR 9725 Datapoint Drive LLC	84-3576911	SUBSIDIARY	The Flats Holding Company LLC	47-1379500	SUBSIDIARY	Waterford Core Operating LP	47-5587163	SUBSIDIARY
NR APCF Investor Ltd.		SUBSIDIARY	The Flats 130 DC Residential LLC	47-1347366	SUBSIDIARY	Waterford Core II Operating LP	82-2663579	SUBSIDIARY
NR Defoor Hills LLC	82-5519657	SUBSIDIARY	The Flats 140 DC Residential LLC	47-1363564	SUBSIDIARY	Waterford Core II General Partner LLC	82-2672297	SUBSIDIARY
NR Denver Industrial Portfolio LLC	82-3539243	SUBSIDIARY	The Flats DC Grocery LLC	47-1367530	SUBSIDIARY	Taiyo Hinata Fund, L.P.		SUBSIDIARY
NR East Sege Lily LLC	83-3651003	SUBSIDIARY	T-C JK I, LLC	46-4567368	SUBSIDIARY	TGA 10th Street Business Park LLC	84-3332496	SUBSIDIARY
NR ECF Investor Ltd.		SUBSIDIARY	Adeoti Empreendimentos Imobiliários Ltda		SUBSIDIARY (33)	TGA 127-137 Franklin LLC	82-1645257	SUBSIDIARY
NR Globe Street Industrial LLC	84-3175301	SUBSIDIARY	T-C JK II, LLC	46-4587620	SUBSIDIARY	TGA 299 Franklin LLC	81-2769108	SUBSIDIARY
NR Henderson 215 LLC	83-1495411	SUBSIDIARY	Adeoti Empreendimentos Imobiliários Ltda		SUBSIDIARY (33)	TGA 600 College Road LLC	81-3988795	SUBSIDIARY
NR Kirkland Crossing LLC	82-3556058	SUBSIDIARY	T-C Lux Fund Holdings LLC	47-4095803	SUBSIDIARY	TGA 730 Third Avenue Owner LLC	83-2548459	SUBSIDIARY
NR Main Street at Kingwood LLC	83-1815798	SUBSIDIARY	T-C Lux Investments Special Limited Partnership		SUBSIDIARY	TGA 3401 North Ashton Blvd LLC	83-2957526	SUBSIDIARY
NR Tacara at Steiner Ranch LLC	82-5503093	SUBSIDIARY	European Cities Partnership SCSp		SUBSIDIARY (12)	TGA 3850 Camino Del Rio Way LLC	82-4830474	SUBSIDIARY
Nuveen Global Cities REIT Lending, LLC	83-4299885	SUBSIDIARY	Global Real Estate Debt Partners – Fund I (UK)		SUBSIDIARY (21)	TGA APAC Fund Holdings, LLC	82-2225812	SUBSIDIARY
T-C 2 Herald Square Member LLC	47-1535030	SUBSIDIARY	T-C MV Member LLC	81-4583865	SUBSIDIARY	Asia Pacific Cities Fund, FCP		SUBSIDIARY (36)
T-C 2 Herald Square Venture LLC	47-1650509	SUBSIDIARY	T-C M-T REIT LLC	81-4599024	SUBSIDIARY	TGA Real Estate Fund Holdings, LLC	82-2311300	SUBSIDIARY
T-C 2 Herald Square Owner LLC	47-1488131	SUBSIDIARY	T-C MV Member II LLC		SUBSIDIARY	Asia Pacific Cities Fund, FCP		SUBSIDIARY (36)
T-C 1101 Pennsylvania Avenue LLC	27-2952349	SUBSIDIARY	T-C M-T REIT II LLC	84-3224525	SUBSIDIARY	TGA Auburn Business Park LLC	84-3830265	SUBSIDIARY
T-C 1101 Pennsylvania Avenue Venture LLC	27-2952617	SUBSIDIARY	T-C Mt. Ommaney Centre Holding Company LLC	47-1954609	SUBSIDIARY	TGA Aurora DC III LLC	84-3285557	SUBSIDIARY
T-C 1101 Pennsylvania Avenue Owner LLC	27-2952860	SUBSIDIARY	T-C Mt. Ommaney Centre LLC	47-1828871	SUBSIDIARY	TGA Baltimore IC LLC	84-3475931	SUBSIDIARY
T-C 33 Arch Street Member, LLC	46-1851206	SUBSIDIARY	T-C Permian Investor LLC	82-1023309	SUBSIDIARY	TGA Barnes Canyon Life Science LLC	83-1851559	SUBSIDIARY
T-C 33 Arch Street Venture, LLC	46-1805501	SUBSIDIARY	T-C SBMC Joint Venture LLC	46-3007720	SUBSIDIARY	TGA Beckwith Farms LLC	84-3303586	SUBSIDIARY
T-C 33 Arch Street, LLC	45-2792699	SUBSIDIARY	T-C SMA 2, LLC	36-4620008	SUBSIDIARY	TGA Bedford Park LLC	84-3314123	SUBSIDIARY
T-C 470 Park Avenue South Member LLC	46-1754709	SUBSIDIARY	PennMuni-TIAA U.S. Real Estate Fund, LLC	36-4619998	SUBSIDIARY	TGA Bridge Point LLC	84-3441362	SUBSIDIARY
T-C 470 Park Avenue South Venture LLC	46-1744112	SUBSIDIARY	T-C The Edge at Flagler Village, LLC	81-2204918	SUBSIDIARY	TGA Cactus DC I LLC	84-2939313	SUBSIDIARY
T-C 475 Fifth Avenue Member, LLC	46-1828055	SUBSIDIARY	T-C UK RE Holdings I, LLC	81-2876934	SUBSIDIARY	TGA Cactus DC II LLC	84-2839214	SUBSIDIARY
T-C 475 Fifth Avenue Venture LLC	46-1839003	SUBSIDIARY	T-C UK RE Holdings II, LLC	81-2691474	SUBSIDIARY	TGA Capital Beltway CC LLC	84-3523623	SUBSIDIARY
T-C 475 Fifth Avenue, LLC	45-3229803	SUBSIDIARY	Thurrock Retail Park Unit Trust		SUBSIDIARY (34)	TGA Center Square DC LLC	84-3487859	SUBSIDIARY
T-C 800 17th Street NW Member LLC	47-2189075	SUBSIDIARY	T-C UK RE Holdings III, LLC	81-3299073	SUBSIDIARY	TGA Centerpointe LLC	84-3314029	SUBSIDIARY
T-C 800 17th Street NW Venture LLC	47-2118640	SUBSIDIARY	Thurrock Retail Park Unit Trust		SUBSIDIARY (34)	TGA Central Green LLC	83-3799478	SUBSIDIARY
T-C 800 17th Street NW Owner LLC	47-2069910	SUBSIDIARY	T-C U.S. Super Regional Mall Fund LP	47-3148337	SUBSIDIARY			

(32) Roppenheim Outlet SNC (ROSNC) is ultimately controlled by TIAA via a 61.8% ownership of Neptune Property Venture S.à r.l., which owns Roppenheim Holding SAS (99.99% of ROSNC) Neptune Roppenheim Holding S.à r.l. (0.01%).

(33) Adeoti Empreendimentos Imobiliários Ltda is ultimately controlled and owned entirely by TIAA, with 51% of ownership with T-C JK I, LLC and 49% of ownership with T-C JK II, LLC

(12) European Cities Partnership SCSp is owned 29.8% by T-C Lux Investments Special Limited Partnership and 1% by European Cities Partnership (GP) S.à r.l.

(21) Global Real Estate Debt Partners – Fund I (UK) is controlled by TIAA, which owns 36.3%. T-C Lux Investments Special Limited Partnership, which is 100% owned by TIAA, owns 24.3%.

(34) Thurrock Retail Park Unit Trust is ultimately controlled and owned entirely by TIAA with 99.5% owned by T-C UK RE Holdings III, LLC and 0.5% owned by T-C UK RE Holdings II, LLC.

(35) Waterford Blue Lagoon LP is controlled by TIAA, and partially owned indirectly by T-C Waterford Blue Lagoon LLC, which owns 50%, and T-C Waterford Blue Lagoon General Partner, LLC, which owns 1%.

(36) Asia Pacific Cities Fund, FCP is owned 27.7% by TGA APAC Fund Holdings, LLC and 27.7% by TGA Real Estate Fund Holdings, LLC

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP
PART 1 - ORGANIZATIONAL CHART

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
TEFF Holdco LLC	81-2146865	SUBSIDIARY	TGA Central Square Investor Member LLC	84-4376282	SUBSIDIARY	TGA MS Self Storage Investor Member LLC	83-1916152	SUBSIDIARY
TIAA European Farmland Fund GP LP	98-1310748	SUBSIDIARY	TGA Central Square Investor Member LLC	84-4376282	SUBSIDIARY	TGA Montclair NJ Self Storage Portfolio LLC	83-2376563	SUBSIDIARY
TIAA European Farmland Fund LP	98-1310748	SUBSIDIARY	AGACSE Central Square LLC	84-4893448	SUBSIDIARY	MSC Bentonville, LLC		SUBSIDIARY
TEFF Holding S.a.r.l		SUBSIDIARY	TGACSE Midwood Corners LLC	84-4923976	SUBSIDIARY	MSC Boerne, LLC		SUBSIDIARY
TEFF Investments B.V.		SUBSIDIARY	TGACSE Morningside LLC	84-4893383	SUBSIDIARY	MSC Buda, LLC		SUBSIDIARY
Areal III Spolka z o.o.		SUBSIDIARY	TGACSE Triangle LLC	84-4924033	SUBSIDIARY	MSC Carolinas, LLC		SUBSIDIARY
Hodowla Zwierzat Zarodowych Choczewo Spolka z o.o.		SUBSIDIARY	TGA Creekside Village Investor Member LLC	85-1065983	SUBSIDIARY	MSC Dam Storage, LLC		SUBSIDIARY
Hodowla Zwierzat Zarodowych Wierzuchino Spolka z o.o.		SUBSIDIARY	TGA East Coronado Industrial LLC		SUBSIDIARY	MSC Evans Rd, LLC		SUBSIDIARY
Hodowla Zwierzat Zarodowych Zamowiec Spolka z o.o.		SUBSIDIARY	TGA East Miraloma Industrial LLC		SUBSIDIARY	MSC Greenhouse, LLC		SUBSIDIARY
Dangro Invest SA		SUBSIDIARY	TGA Emerald Corporate Park LLC		SUBSIDIARY	MSC Highway 521 Storage, LLC		SUBSIDIARY
AGRA Spolka z o.o.		SUBSIDIARY	TGA Englewood DC LLC	84-3502383	SUBSIDIARY	MSC Kemps Landing, LLC		SUBSIDIARY
AGAT Spolka z o.o.		SUBSIDIARY	TGA European RE Holdings I, LLC	83-2810033	SUBSIDIARY	MSC Midtown Atlanta, LLC		SUBSIDIARY
AGRAMAX Spolka z o.o.		SUBSIDIARY	Eagle GPCo S a r.l.		SUBSIDIARY	MSC MTP, LLC		SUBSIDIARY
AGRIFARM Spolka z o.o.		SUBSIDIARY	Eagle Partnership SCSp		SUBSIDIARY	MSC Peachtree, LLC		SUBSIDIARY
AGRO - DUBLINY SP. z o.o.		SUBSIDIARY	Eagle JVCo S a r.l.		SUBSIDIARY	MSC South End, LLC		SUBSIDIARY
AGROSERVICE Spolka z o.o.		SUBSIDIARY	CB Krieau Dzwei GmbH		SUBSIDIARY	MSC Spring Branch, LLC		SUBSIDIARY
AMAL Spolka z o.o.		SUBSIDIARY	Viertel Zwei Entwicklung GmbH & Co Studenthouse KG		SUBSIDIARY	MSC SW Austin, LLC		SUBSIDIARY
CISY Spolka z o.o.		SUBSIDIARY	Eagle Austria Holdings S a r.l.		SUBSIDIARY	MSC Tallahassee, LLC		SUBSIDIARY
KOLNO Spolka z o.o.		SUBSIDIARY	Viertel Zwei Entwicklung GmbH & Co Studenthouse KG		SUBSIDIARY	MSC Yorktown, LLC		SUBSIDIARY
MILKOWO Sp. Z o.o.		SUBSIDIARY	Studenthouse Rua Manuel Pereira, S.A		SUBSIDIARY	TGA NJAHP II Investor Member LLC		SUBSIDIARY
SEE-AGRO SP. z o.o.		SUBSIDIARY	TGA FC Investor Member LLC		SUBSIDIARY	HVPF NJ BX, LLC		SUBSIDIARY
SATOPY Spolka z o.o.		SUBSIDIARY	Fenway Center Holding 1-2, LLC	82-2708488	SUBSIDIARY	TGA North Miller Industrial LLC		SUBSIDIARY
Pszencol SA		SUBSIDIARY	Fenway Center Owner 1-2, LLC	82-2708488	SUBSIDIARY	TGA North Orange Industrial LLC		SUBSIDIARY
AGROLAND Spolka z o.o.		SUBSIDIARY	TGA Franklin Square IC I LLC	84-3523773	SUBSIDIARY	TGA Oak View Mail LLC	83-1934291	SUBSIDIARY
AGROPOL Spolka z o.o.		SUBSIDIARY	TGA Franklin Square IC II LLC	84-3523813	SUBSIDIARY	TGA O'Hare Logistics Center IV LLC	84-4774106	SUBSIDIARY
BUDUS Spolka z o.o.		SUBSIDIARY	TGA Freeport DC LLC	84-3332846	SUBSIDIARY	TGA Park 355 LLC	84-3254652	SUBSIDIARY
CIESZYSLAW SP z o.o.		SUBSIDIARY	TGA Greenstone Logistics Center LLC		SUBSIDIARY	TGA Park 55 LLC	84-3254103	SUBSIDIARY
FARMEX Spolka z o.o.		SUBSIDIARY	TGA Hagerstown DC LLC	84-3463522	SUBSIDIARY	TGA Park 88 LLC	84-3254979	SUBSIDIARY
JASIONNO Spolka z o.o.		SUBSIDIARY	TGA Hollins End LLC	84-3475313	SUBSIDIARY	TGA Pleasant Prairie Center LLC	83-3250233	SUBSIDIARY
ROLA Spolka z o.o.		SUBSIDIARY	TGA I-95 DC LLC	84-3523721	SUBSIDIARY	TGA Prairie Point LLC	84-3285659	SUBSIDIARY
ROLPOL Spolka z o.o.		SUBSIDIARY	TGA Japan Holdings, LLC	81-3602072	SUBSIDIARY	TGA Renton Park 405 LLC		SUBSIDIARY
ROLZBUD Spolka z o.o.		SUBSIDIARY	TGA Japan Holdings Pte Ltd		SUBSIDIARY	TGA Sandy Commerce Park LLC	83-2938932	SUBSIDIARY
SOBIERADZ Spolka z o.o.		SUBSIDIARY	TGA Japan GK Holdings Pte Ltd		SUBSIDIARY	TGA Somerset IC LLC	84-3487605	SUBSIDIARY
TELYN SP. z o.o.		SUBSIDIARY	TGA Ginza 115 TMK		SUBSIDIARY	TGA Sterling II LLC	84-3476142	SUBSIDIARY
TOKARY Sp.z o.o.		SUBSIDIARY	TGA Ginza 115 Holdings Pte Ltd		SUBSIDIARY	TGA Sterling DC LLC	84-3255382	SUBSIDIARY
TURKUS SP. z o.o.		SUBSIDIARY	TGA Ginza 115 TMK		SUBSIDIARY	TGA The Warehouse At CH Investor Member LLC	84-3093962	SUBSIDIARY
WALICHNOWY Sp. z o.o.		SUBSIDIARY	TGA Ginza 115 ISH		SUBSIDIARY	TGAP The Warehouse At CH Owner LLC	84-3055465	SUBSIDIARY
WEZINY SP. z o.o.		SUBSIDIARY	TGA JL Investor Member LLC	84-3718861	SUBSIDIARY	TGAP The Warehouse At CH LLC	84-3055701	SUBSIDIARY
ZIEMROL Spolka z o.o.		SUBSIDIARY	TGA JL II Investor Member LLC	84-4376472	SUBSIDIARY	TGA Tri-State Commerce Center LLC		SUBSIDIARY
LOZICE Sp. z o.o.		SUBSIDIARY	661 Dulles Park CT P JV, LLC		SUBSIDIARY	TGA Van Dorens West LLC	84-3830895	SUBSIDIARY
Adamas SA		SUBSIDIARY	TGA JL Potomac Vista Investor Member LLC		SUBSIDIARY	TGA Vista Point South LLC	84-3441798	SUBSIDIARY
AMBER SP. z o.o.		SUBSIDIARY	TGA Landover DC LLC	84-3523582	SUBSIDIARY	TGA Washington DC CC LLC	84-3527380	SUBSIDIARY
JAROSLAWSKO I SP. z o.o.		SUBSIDIARY	TGA Maryland Farms Holdings LLC		SUBSIDIARY	TGA Westport Distribution Center LLC	84-2939589	SUBSIDIARY
JAROSLAWSKO II SP. z o.o.		SUBSIDIARY	U.S. Cities Office Fund Maryland Farms Co-Invest		SUBSIDIARY	TGA Yorktown Trinity Groves LLC	83-0723201	SUBSIDIARY
OGARDY SP. z o.o.		SUBSIDIARY	TGA MH Investor Member LLC	84-2765297	SUBSIDIARY	TGAM Agribusiness Fund LP	81-1994278	SUBSIDIARY
OPAL SP z o.o.		SUBSIDIARY	TGA MKP Venture LLC	82-1189084	SUBSIDIARY	TIAA Administrative Services LLC	82-2826183	SUBSIDIARY
SZAFIR SP. z o.o.		SUBSIDIARY	TGA MKP REIT LLC	82-1198745	SUBSIDIARY	TIAA CLO I LLC		SUBSIDIARY
Gospodarstwo Okopy Sp. z o.o.		SUBSIDIARY	TGA Montague Investor Member, LLC	81-4232788	SUBSIDIARY	TIAA CLO I Holding, LLC	84-1905731	SUBSIDIARY
Agrohop Bielice Sp. z o.o.		SUBSIDIARY	RCD TGA Pierrepont Partners LLC		SUBSIDIARY	TIAA CLO II Ltd		SUBSIDIARY
Agrohop Service Sp. z o.o.		SUBSIDIARY	TGA Montrose Residences Investor Member, LLC	81-3542251	SUBSIDIARY	TIAA CLO II LLC		SUBSIDIARY
Agrohop Sp. z o.o.		SUBSIDIARY	The Residences at La Colombe d'Or Investors LLC	81-2872565	SUBSIDIARY	TIAA CLO II Holding, LLC	84-1921751	SUBSIDIARY
Agrohop Bis Sp. z o.o.		SUBSIDIARY	TGA Near East LLC	83-4153778	SUBSIDIARY	TIAA CLO III Ltd.		SUBSIDIARY
Cieszanowice Solar Park sp. z o.o.		SUBSIDIARY	TGA Cereals Investor Member LLC	85-1291326	SUBSIDIARY	TIAA CLO III LLC		SUBSIDIARY
Przedsiębiorstwo Rolne Okopy Sp. z o.o.		SUBSIDIARY	TGA NJAHP Investor Member LLC		SUBSIDIARY	TIAA CLO V Ltd		SUBSIDIARY
TGA Connections at Athens Investor Member LLC	61-1892161	SUBSIDIARY	NJAHP Preservation Associates JV LLC		SUBSIDIARY	TIAA CMBS I, LLC	13-4173396	SUBSIDIARY
PEP-TH Athens, LLC	83-1011298	SUBSIDIARY				TIAA CMBS I Trust	13-4173396	SUBSIDIARY
PEP Athens, LLC						TIAA Diversified Public Investments, LLC	47-4570655	SUBSIDIARY

(4) TIAA European Farmland Fund GP LP is ultimately controlled and owned entirely by TIAA, with 50% owned by Nuveen Alternative Services, LLC and 50% owned by TEFF Holdco LLC

(37) Viertel Zwei Entwicklung GmbH & Co Studenthouse KG is controlled by TIAA, and partially owned indirectly by Eagle Austria Holdings S a r.l., which owns 94%, and CB Krieau Dzwei GmbH, which owns 6%.

(38) TGA Ginza115 TMK is ultimately controlled and owned entirely by TIAA, with 51% owned by TGA Japan GK Holdings Pte Ltd and 49% of owned by TGA Ginza 115 Holdings Pte Ltd.

(10) U.S. Cities Office Fund Maryland Farms Co-Invest is ultimately controlled and owned entirely by TIAA, with 51% owned by USCOF Maryland Farms Holdings LLC and 49% owned by TGA Maryland Farms Holdings LLC.

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP
PART 1 - ORGANIZATIONAL CHART

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP
TIAA FSB Holdings, Inc.	90-0615674	SUBSIDIARY
Everbank Funding LLC	7181171	SUBSIDIARY
TIAA FSB	59-3531592	SUBSIDIARY
AMC Holding, Inc.	59-3547521	SUBSIDIARY
Customerone Financial Network, Inc.	43-1823879	SUBSIDIARY
Business Property Lending, Inc.	36-1208070	SUBSIDIARY
Elite Lender Services, Inc.	11-3642567	SUBSIDIARY
Tygris Commercial Financial Group, Inc.	61-1560018	SUBSIDIARY
TIAA Commercial Finance, Inc.	20-0716627	SUBSIDIARY
Tygris Asset Finance, Inc.	26-2483829	SUBSIDIARY
TIAA GBS Holding LLC	81-1241294	SUBSIDIARY
TIAA GBS Singapore Holding Company Pte. Ltd.		SUBSIDIARY
TIAA Global Business Services (India) Private Limited		SUBSIDIARY
TIAA Global Ag Holdco LLC	27-5551198	SUBSIDIARY
Global Agriculture AIV (US) LLC	45-5044364	SUBSIDIARY
Global Ag Properties USA LLC	45-1531685	SUBSIDIARY
Loma del Rio Vineyards, LLC	80-0843991	SUBSIDIARY
Sugarloaf Vineyard, LLC	46-2577906	SUBSIDIARY
Global Agriculture II AIV (US) LLC	47-1083514	SUBSIDIARY
Global Ag Properties II USA LLC	47-1069783	SUBSIDIARY
TIAA-CREF Global Agriculture LLC	27-5551341	SUBSIDIARY
Global AG Properties Australia Pty. Ltd		SUBSIDIARY
Global AG Properties Australia Trust		SUBSIDIARY
Nova Gaia Brasil Participaco Ltda.		SUBSIDIARY
Tellus Brasil Participaco S.A.		SUBSIDIARY
Terraviva Brasil Participaco Ltda.		SUBSIDIARY
Tellus Brasil Participaco S.A.		SUBSIDIARY
Agrobio Investimentos e Participações S.A.		SUBSIDIARY
Cerpon Participações S.A.		SUBSIDIARY
Nova Ibiajara Propriedades Agrícolas S.A.		SUBSIDIARY
Tellus Bahia Propriedades Agrícolas Ltda		SUBSIDIARY
Jatobá Propriedades Agrícolas Ltda		SUBSIDIARY
Terra do Sol Propriedades Agrícolas S.A.		SUBSIDIARY
Terrainvest Propriedades Agrícolas S.A.		SUBSIDIARY
Tparone Participações S.A.		SUBSIDIARY
Toperone Agrícola S.A.		SUBSIDIARY
Tpartwo Participações S.A.		SUBSIDIARY
Topertwo Agrícola S.A.		SUBSIDIARY
TIAA-CREF Global Agriculture BR, LLC	45-1502187	SUBSIDIARY
Nova Gaia Brasil Participaco Ltda.		SUBSIDIARY
Terraviva Brasil Participaco Ltda.		SUBSIDIARY
TIAA-CREF Global Agriculture II LLC	47-0974399	SUBSIDIARY
TIAA-CREF Global Agriculture II BR, LLC	47-1062423	SUBSIDIARY
TIAA Global Equity Income, LLC	46-2860100	SUBSIDIARY
TIAA Global Public Investments, LLC	26-3594208	SUBSIDIARY
TIAA Oil and Gas Investments, LLC	45-2665869	SUBSIDIARY
Actgas, LLC	45-1286237	SUBSIDIARY
Actoil Bakken, LLC	46-3410649	SUBSIDIARY
Actoil Utica, LLC	46-3628993	SUBSIDIARY
TIAA Realty, LLC	11-3519531	SUBSIDIARY
T-C 77 Central LLC	81-0902394	SUBSIDIARY
T-C 680 Belleville LLC	47-2249307	SUBSIDIARY
T-C Port Northwest Development, LLC	46-2678242	SUBSIDIARY
TGA 70 Federal Street LLC	81-3961919	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
TIAA GTR HoldCo, LLC	46-3881813	SUBSIDIARY
Global Timber Resources LLC	46-3210500	SUBSIDIARY
Global Timber SA LLC	46-3909387	SUBSIDIARY
Global Timber International LLC	46-3899490	SUBSIDIARY
Global Timber Spain, SL		SUBSIDIARY
Forestal Monterrey Colombia SAS	98-1206384	SUBSIDIARY
Forestal GTR Chile Limitada		SUBSIDIARY
Global Timber Resources Colombia, S.A.S.		SUBSIDIARY
Monte Fresnos Asociacion Agraria de Responsabilidad LTDA		SUBSIDIARY
Monte Fresnos, S.A.		SUBSIDIARY
Taurion Asociacion Agraria de Responsabilidad LTDA		SUBSIDIARY
Taurion, S.A.		SUBSIDIARY
GT Europe Cooperatief U.A.		SUBSIDIARY
Global Timber NL, B.V.		SUBSIDIARY
GTR Brasil Participacoes Ltda		SUBSIDIARY
Brasiliwood Reforestamento S.A.		SUBSIDIARY
Brasiliwood Terras Florestais S.A.		SUBSIDIARY
Khaya Woods Investimentos Florestais LTDA		SUBSIDIARY
Mamoneira Agropastoril S.A.		AFFILIATE
Jatoba Brasil Investimentos Florestais Ltda		SUBSIDIARY
Paineira Investimentos Florestais S.A.		SUBSIDIARY
POPEMA 95 Closed Investment Fund of Non-Public Assets		SUBSIDIARY
EKO Topola Sp. z o.o.		SUBSIDIARY
Brunso Resort Sp. z o.o.		SUBSIDIARY
TIAA Infrastructure Investments, LLC	45-3479281	SUBSIDIARY
730 Parking LLC	81-5307354	SUBSIDIARY
730 Interpark, LLC	81-5302296	SUBSIDIARY
A-30 Canadian Transport Inc.		SUBSIDIARY
1867 Infrastructure Holdings Inc.		SUBSIDIARY
ACS NA30 Holding Inc.		SUBSIDIARY
Nouvelle Autoroute 30, s.e.n.c.		AFFILIATE
1 595 Toll Road, LLC	38-3857916	SUBSIDIARY
North American Sustainable Energy Fund, L.P.	46-5279686	SUBSIDIARY
McCommas Bluff Holdings LLC		AFFILIATE
Dallas Clean Energy, LLC		AFFILIATE
Dallas Clean Energy McCommas Bluff, LLC		AFFILIATE
Energy Power Investment Company, LLC		SUBSIDIARY
EPP Renewable Energy, LLC		SUBSIDIARY
EPP New Jersey Biogas, LLC		SUBSIDIARY
EPP New Jersey Solar, LLC		SUBSIDIARY
North American Sustainable Energy Fund GP, LLC		SUBSIDIARY
North American Sustainable Energy Manager, LLC		SUBSIDIARY
TIAA RFS, LLC	82-2885306	SUBSIDIARY
TIAA Advisory, LLC	82-2335773	SUBSIDIARY
TIAA-CREF Insurance Agency, LLC	20-2904312	SUBSIDIARY
TIAA SMA Strategies, LLC	81-2755014	SUBSIDIARY
TIAA-SynGas, LLC	45-3029655	SUBSIDIARY
TIAA-Stonepeak Investments II, LLC	45-3030923	SUBSIDIARY
TIAA SynGas, LLC	45-1286386	SUBSIDIARY
730 Catsolar, LLC	13-1624203	SUBSIDIARY
Catalina Solar Lessee Holdco, LLC		SUBSIDIARY
Catalina Solar Lessee, LLC		SUBSIDIARY
SG Solutions, LLC	56-2492641	AFFILIATE
AE Investor II, LLC	27-0195010	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
TGA SP-MPC Housing Investor Member LLC	83-2063402	SUBSIDIARY
TGA SP-MPC Housing Venture I LLC	83-2123785	SUBSIDIARY
MPSP Ashwood Homes LLC	83-1869400	SUBSIDIARY
MPSP Ashwood MHC LLC	83-1869494	SUBSIDIARY
MPSP Bellline Homes LLC	84-2331138	SUBSIDIARY
MPSP Bellline Lender LLC	84-2345909	SUBSIDIARY
MPSP Bellline MHC LLC	84-2216330	SUBSIDIARY
MPSP Center Grove Homes LLC	83-1088601	SUBSIDIARY
MPSP Center Grove Lender LLC	83-2290040	SUBSIDIARY
MPSP Center Grove MHC LLC	83-1076792	SUBSIDIARY
MPSP Colinas South Homes LLC	84-2158715	SUBSIDIARY
MPSP Colinas South Lender LLC	84-2158791	SUBSIDIARY
MPSP Colinas South MHC LLC	84-2169896	SUBSIDIARY
MPSP Estancia Homes LLC	84-2169973	SUBSIDIARY
MPSP Estancia Lender LLC	84-2277681	SUBSIDIARY
MPSP Estancia MHC LLC	84-1976109	SUBSIDIARY
MPSP Fairlane Oaks Homes LLC	83-4260197	SUBSIDIARY
MPSP Fairlane Oaks Lender LLC	83-4283444	SUBSIDIARY
MPSP Fairlane Oaks MHC LLC	83-4241248	SUBSIDIARY
MPSP Lakeview Homes LLC	84-2290488	SUBSIDIARY
MPSP Lakeview Lender LLC	84-2319726	SUBSIDIARY
MPSP Lakeview MHC LLC	84-2199063	SUBSIDIARY
MPSP Lemon Tree Homes LLC	83-1213262	SUBSIDIARY
MPSP Lemon Tree MHC LLC	83-2548459	SUBSIDIARY
MPSP Mobile Gardens Homes LLC	83-1230821	SUBSIDIARY
MPSP Mobile Gardens MHC LLC	83-1230714	SUBSIDIARY
MPSP Parker Homes LLC	84-2379528	SUBSIDIARY
MPSP Parker Lender LLC	84-2389423	SUBSIDIARY
MPSP Parker MHC LLC	84-2247177	SUBSIDIARY
MPSP Seven Oaks Homes LLC	84-2277774	SUBSIDIARY
MPSP Seven Oaks Lender LLC	84-2290439	SUBSIDIARY
MPSP Seven Oaks MHC LLC	84-2198856	SUBSIDIARY
MPSP Shiloh Homes LLC	83-2700693	SUBSIDIARY
MPSP Shiloh Lender LLC	83-2725391	SUBSIDIARY
MPSP Shiloh MHC LLC	83-2700544	SUBSIDIARY
MPSP South Concho Homes LLC	84-2428644	SUBSIDIARY
MPSP South Concho Lender LLC	84-2436652	SUBSIDIARY
MPSP South Concho MHC LLC	84-2261982	SUBSIDIARY
MPSP Stonegate Homes LLC	83-2736822	SUBSIDIARY
MPSP Stonegate Lender LLC	83-2736936	SUBSIDIARY
MPSP Stonegate MHC LLC	83-2725560	SUBSIDIARY
MPSP TC GH Homes LLC	84-2319873	SUBSIDIARY
MPSP TC GH Lender LLC	84-2331064	SUBSIDIARY
MPSP TC GH MHC LLC	84-2216156	SUBSIDIARY
MPSP TC Sherman Homes LLC	84-2389479	SUBSIDIARY
MPSP TC Sherman MHC LLC	84-2247220	SUBSIDIARY
MPSP Wildwood Acres Homes LLC	84-2345969	SUBSIDIARY
MPSP Wildwood Acres Lender LLC	84-2361787	SUBSIDIARY
MPSP Wildwood Acres MHC LLC	84-2239609	SUBSIDIARY
MPSP Wildwood Village Homes LLC	84-2361842	SUBSIDIARY
MPSP Wildwood Village Lender LLC	84-2379481	SUBSIDIARY
MPSP Wildwood Village MHC LLC	84-2239646	SUBSIDIARY
MPSP Windsong Homes LLC	83-2848324	SUBSIDIARY
MPSP Windsong Lender LLC	83-2848439	SUBSIDIARY
MPSP Windsong MHC LLC	83-2861026	SUBSIDIARY

(19) Loma del Rio Vineyards, LLC is ultimately controlled and owned entirely by TIAA, with 45% owned by Premiere Agricultural Properties, LLC and 55% owned by Global Ag Properties USA, LLC.

(39) Nova Gaia Brasil Participaco Ltda. is owned 99.99% by TIAA-CREF Global Agriculture LLC and 0.01% by TIAA-CREF Global Agriculture BR, LLC.

(40) Tellus Brasil Participaco S.A. is owned 48.9% by Terraviva Brasil Participaco Ltda. and 0.47% by Nova Gaia Brasil Participaco Ltda.

(41) Terraviva Brasil Participaco Ltda. is owned 99.99% by Nova Gaia Brasil Participaco Ltda. and 0.01% by TIAA-CREF Global Agriculture BR, LLC.

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP

LISTING 3 (CONTINUED): PART 1 - ORGANIZATIONAL CHART

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
TIAA Super Regional Mall Member Sub, LLC	45-3164600	SUBSIDIARY	Western A Midwest JR Mezz, LLC		SUBSIDIARY
T-C Super Regional Mall Venture LLC	45-3164764	SUBSIDIARY	Western A Midwest Mezz, LLC	84-3440905	SUBSIDIARY
T-C International Plaza REIT LLC	46-4623585	SUBSIDIARY	Western A South JR Mezz LLC		SUBSIDIARY
T-C International Plaza Investor GP LLC	46-4653326	SUBSIDIARY	Western A West JR Mezz, LLC		SUBSIDIARY
T-C International Plaza Investor LP LLC	46-4680948	SUBSIDIARY	Western A West Mezz, LLC		SUBSIDIARY
Tampa Westshore Associates Limited Partnership	38-3173536	AFFILIATE	Western Real Estate Holdco, LLC		SUBSIDIARY
T-C Las Vegas Retail REIT LLC	46-2713521	SUBSIDIARY	Western A East JR Mezz, LLC		SUBSIDIARY
T-C Las Vegas Retail Investor LLC	46-2726147	SUBSIDIARY	Western North American Industrial Fund I GP, LLC		SUBSIDIARY
Grand Canal Shoppes Holdings, LLC		AFFILIATE	Western North American Industrial Fund I Limited Partner, LLC		SUBSIDIARY
T-C Midwest REIT, LLC	45-3165203	SUBSIDIARY	Western North American Industrial Fund I Limited Partnership		SUBSIDIARY
T-C Midwest Retail, LLC	45-2211957	SUBSIDIARY	Western NAIF Intermediate Holdco GP II, LLC		SUBSIDIARY
CBUT-C, LLC		SUBSIDIARY	Western NAIF Intermediate Holdco II, LP		SUBSIDIARY
T-C Montgomery Mall REIT, LLC	45-3164998	SUBSIDIARY	Western A East JR Mezz II, LLC		SUBSIDIARY
T-C Montgomery Mall, LLC	27-4117159	SUBSIDIARY	Western A East Mezz II, LLC		SUBSIDIARY
Montgomery Mall of Maryland, LLC	95-4658637	SUBSIDIARY	WRC Properties, LLC	51-0141732	SUBSIDIARY
TIAA Wind Investments, LLC	45-4486211	SUBSIDIARY			
Capistrano Wind Partners, LLC	45-3743502	AFFILIATE			
TIAA-CREF LPHC, LLC	20-8384004	SUBSIDIARY			
TCAM DOF GP, LLC	26-3561391	SUBSIDIARY			
TIAA-CREF Real Property Fund GP, LLC	46-1191235	SUBSIDIARY			
TIAA-CREF Individual & Institutional Services, LLC	55-0856733	SUBSIDIARY			
TIAA-CREF Redwood, LLC	20-5591124	SUBSIDIARY			
TIAA Endowment & Philanthropic Services, LLC	20-5631854	SUBSIDIARY			
CCAP GP, LLC	35-2429521	SUBSIDIARY			
TIAA-CREF Tuition Financing, Inc.	13-4026557	SUBSIDIARY			
TIAA Union Place Phase I, LLC	20-8692977	SUBSIDIARY			
Union Place Phase I, LLC	20-8281443	SUBSIDIARY			
TPG Public Equity Partners Long Opportunities-A, LP		SUBSIDIARY			
Tybourne Long Opportunities (US) Fund		SUBSIDIARY			
UK PPP Investments, LP		SUBSIDIARY			
Wigg (Holdings) Limited		SUBSIDIARY			
Wigg Investments Limited		SUBSIDIARY			
Merseylink (Holdings) Limited		AFFILIATE			
Merseylink (Finance) Limited		AFFILIATE			
Merseylink Limited		AFFILIATE			
Merseylink (Issuer) plc		AFFILIATE			
U.S. Cities Industrial Fund LP		AFFILIATE			
U.S. Cities Retail Fund LP	82-3970010	SUBSIDIARY			
U.S. Cities Retail Fund REIT LLC	82-4016503	SUBSIDIARY			
U.S. Cities Retail Fund Operating GP LLC	82-4069923	SUBSIDIARY			
U.S. Cities Retail Fund Operating LP	82-4037905	SUBSIDIARY			
T-C 919 N. Michigan Avenue Retail, LLC	46-0750331	SUBSIDIARY			
USCRF KRG JV Investor Member LLC		SUBSIDIARY			
KRG – USCRF Retail Portfolio LLC		SUBSIDIARY			
KRG 951 & 41, LLC		SUBSIDIARY			
KRG Livingston Center, LLC		SUBSIDIARY			
KRG-USCRF Plaza Volante, LLC		SUBSIDIARY			
U.S. Core-Plus Real Estate Debt Fund LP	82-3988257	SUBSIDIARY			
CRED REIT LLC	82-3760575	SUBSIDIARY			
CRED REIT Holdco LLC	47-1938723	SUBSIDIARY			
CRED Glenhardie LLC	84-2113010	SUBSIDIARY			
CRED HQ LLC	85-1296109	SUBSIDIARY			
CRED REIT Holdco Seller LLC	83-2024014	SUBSIDIARY			
CRED REIT Holdco TRS LLC	81-1392434	SUBSIDIARY			
CRED REIT Manager LLC	82-4600804	SUBSIDIARY			
CRED REIT Member LP	82-5347019	SUBSIDIARY			
CRED Sawtelle LLC	83-2267896	SUBSIDIARY			
CRED Stabtown LLC	83-3184068	SUBSIDIARY			
CRED West Coast Industrial LLC	83-4107560	SUBSIDIARY			

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			13-6110585	3792687			TIAA Board of Overseers	.NY.	UIP					.N	
..1216	Teachers Insurance and Annuity Association of America	..69345	13-1624203	1607170	315038		Teachers Insurance and Annuity Association of America	.NY.	UDP	TIAA Board of Overseers	Ownership	100.000	TIAA Board of Overseers	.N	
			45-2401857	4618298			730 Holdings, LLC	.DE	NIA	TIAA Board of Overseers	Ownership	100.000	TIAA Board of Overseers	.N	
			13-6022042		777535		College Retirement Equities Fund	.NY.	NIA	CREF Board of Overseers	Board		CREF Board of Overseers	.N	
..1216	Teachers Insurance and Annuity Association of America	..60142	13-3917848	4314415	1429401		TIAA-CREF Life Insurance Company	.NY.		Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			47-1595484	4747826			Nuveen, LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3407371	5042621			Nuveen Services, LLC	.DE	NIA	Nuveen, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			13-3905273	4599865			TIAA-CREF Asset Management, LLC	.DE	NIA	Nuveen, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-1272900	4952732			L&C Special Member Holdco, LLC	.DE	NIA	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-3889185	4866932			GTR Special Member Holdco LLC	.DE	NIA	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-4374969				TIAA International GP LLC	.DE	NIA	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			13-3586142	4314303	887793		TIAA-CREF Investment Management, LLC	.DE	NIA	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-3870972	4716541			Nuveen Alternative Holdings, LLC	.DE	NIA	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-1467545	4974190			AGR Partners LLC	.DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	75.000	TIAA Board of Overseers	.N	
			36-4853278				AGR Services LLC	.DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	1.000	TIAA Board of Overseers	.N	100
			36-4853278				AGR Services LLC	.DE	NIA	AGR Partners LLC	Ownership	99.000	TIAA Board of Overseers	.N	100
			83-4328253				Nuveen Agribusiness Fund III GP, LLC	.DE	NIA	AGR Partners LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-1870559	5010657			TGAM Agribusiness Fund GP LLC	.DE	NIA	AGR Partners LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			45-5558395	4724096			Beaver Investments Holdings, LLC	.DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			80-0026976	4724108	1392090		GreenWood Resources, Inc.	.DE	NIA	Beaver Investments Holdings, LLC	Ownership	88.690	TIAA Board of Overseers	.N	
				4961006			Greenwood Resources Brasil, Ltda.	.BRA	NIA	GreenWood Resources, Inc.	Ownership	1.000	TIAA Board of Overseers	.N	200
			45-1875074	4724153			GreenWood Resources Capital Management, LLC	.DE	NIA	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
			20-8501127	4868413			GTFF GP, LLC	.DE	NIA	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
			20-8955976	4867863			GWR-GTFF Investment, LLC	.DE	NIA	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
				4724144			GWR International Ltd.	.VGB	NIA	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
			20-3188681	4724386			GWR China Ltd.	.VGB	NIA	GWR International Ltd.	Ownership	100.000	TIAA Board of Overseers	.N	
				4724377			GWR SA, Ltd.	.VGB	NIA	GWR International Ltd.	Ownership	100.000	TIAA Board of Overseers	.N	
				4724395			GreenWood Resources Chile, S.A.	.CHL	NIA	GreenWood Resources SA, Ltd.	Ownership	95.000	TIAA Board of Overseers	.N	
			98-1016332	4868392			GWR Europe Ltd.	.GBR	NIA	GWR International Ltd.	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1016335	4868404			GreenWood Resources Poland sp z o.o.	.POL	NIA	GWR Europe Ltd.	Ownership	100.000	TIAA Board of Overseers	.N	
			47-4557075	4887580			Greenwood Resources Forest Management, LLC	.DE	NIA	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
				4961006			Greenwood Resources Brasil, Ltda.	.BRA	NIA	Greenwood Resources Forest Management, LLC	Ownership	99.000	TIAA Board of Overseers	.N	200
							Greenwood Resources Forest Management, LLC								
				4796600			GWR Uruguay S.A.	.URY	NIA		Ownership	100.000	TIAA Board of Overseers	.N	
							Greenwood Resources Colombia SAS	.COL	NIA	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
			47-3156644	4844369			Churchill Asset Management LLC	.DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	75.000	TIAA Board of Overseers	.N	
			36-4851864	5083688			CAM HR Resources LLC	.DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	1.000	TIAA Board of Overseers	.N	300
			36-4851864	5083688			CAM HR Resources LLC	.DE	NIA	Churchill Asset Management LLC	Ownership	99.000	TIAA Board of Overseers	.N	300
			82-3187734				Churchill Agency Services LLC	.DE	NIA	Churchill Asset Management LLC	Ownership	75.000	TIAA Board of Overseers	.N	
							Churchill Feeder Fund GP II S.a.r.l.	.LUX	NIA	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			83-1177850				Churchill Fund GP II LLC	.DE	NIA	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1449979				Churchill Fund GP II Sarl	.LUX	NIA	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			82-0735838	5106484			Churchill Special Member LLC	.DE	NIA	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			82-3784145				Churchill Warehouse LLC	.DE	NIA	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							Nuveen Churchill Administration LLC	.DE	NIA	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-1817732	5041615			TGAM Churchill Fund GP LLC	.DE	NIA	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			45-5044435	4867658			Global AG AIV (CN) GP, LLC	.DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			45-5044681	4867667			Global Agriculture AIV (CN), LP	.DE	NIA	Global AG AIV (CN) GP, LLC	Management		TIAA Board of Overseers	.N	
			47-1192644	4753564			Global Ag II AIV GP LLC	.DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-1197292	4754776			Global Agriculture II AIV, LP	.DE	NIA	Global Ag II AIV GP LLC	Management		TIAA Board of Overseers	.N	

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SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Per-centage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			47-1208361 83-2245173	4866969			GTR Investor Fund GP LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							NAP Investors GP, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							NCBDC Holdings LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Churchill Advisors LLC	DE	NIA	NCBDC Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-4288013	4866941			Nuveen Alternatives Advisors, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Churchill Direct Lending Corp.	MD	NIA	Nuveen Alternatives Advisors, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							TPS Investors GP, LLC	DE	NIA	Nuveen Alternatives Advisors, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-4288091	4801858			Nuveen Alternatives Services, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				5041697			GAP II NZ GP Limited	NZL	NIA	Nuveen Alternatives Services, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			98-1310748	5041660			TIAA European Farmland Fund GP LP	CYM	NIA	Nuveen Alternatives Services, LLC	Ownership	50.000	TIAA Board of Overseers	N	400
			47-1515836	4802819			TCAS Global Investments LLC	DE	NIA	Nuveen Alternatives Services, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-1819349				Nuveen Global Farmland Fund GP, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Global Farmland Fund Lux GP S.à r.l.	LUX	NIA	Nuveen Global Farmland Fund GP, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-5180164				Nuveen Global Impact Fund GP, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-5180286				Nuveen Global Impact Fund LP	DE	NIA	Nuveen Global Impact Fund GP, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Global Impact Fund Lux GP S.à r.l.	LUX	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-2719001	4313155			Nuveen International Holdings LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Canada Company	CAN	NIA	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
				5040579			Nuveen Japan Co., Limited	JPN	NIA	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
				5079083			Nuveen UK, Limited	GBR	NIA	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4349631	5079104			TGAM Subsidiary HC LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4290269	5083718			TGAM APAC LLC	DE	NIA	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	500
			81-4323796	5083718			TGAM HK HC LLC	DE	NIA	TGAM APAC LLC	Ownership	25.000	TIAA Board of Overseers	N	600
				4908355			Nuveen Hong Kong Limited	HKG	NIA	TGAM HK HC LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4306975	5079113			TGAM Asia LLC	DE	NIA	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	700
			81-4323796	5083718			TGAM HK HC LLC	DE	NIA	TGAM Asia LLC	Ownership	25.000	TIAA Board of Overseers	N	600
			81-4498397	5079122			TIAA International APAC LLC	DE	NIA	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	800
			81-4323796	5083718			TGAM HK HC LLC	DE	NIA	TIAA International APAC LLC	Ownership	25.000	TIAA Board of Overseers	N	600
			81-4359164	5079131			TIAA International Asia LLC	DE	NIA	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	900
			81-4323796	5083718			TGAM HK HC LLC	DE	NIA	TIAA International Asia LLC	Ownership	25.000	TIAA Board of Overseers	N	600
			81-4390558	5079092			TIAA International Subsidiary HC LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4290269	5079104			TGAM APAC LLC	DE	NIA	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	500
			81-4306975	5079113			TGAM Asia LLC	DE	NIA	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	700
			81-4498397	5079122			TIAA International APAC LLC	DE	NIA	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	800
			81-4359164	5079131			TIAA International Asia LLC	DE	NIA	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	900
			81-4290269	5079104			TGAM APAC LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Overseers	N	500
			81-4306975	5079113			TGAM Asia LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Overseers	N	700
			81-4498397	5079122			TIAA International APAC LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Overseers	N	800
			81-4359164	5079131			TIAA International Asia LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Overseers	N	900
							Nuveen Junior Capital Opportunities Fund GP S.à r.l.	LUX	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4262460	5079074			Nuveen Real Estate Global LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-2748598	4601487			Nuveen Global Investments LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-2986445				Nuveen GP Holding Company LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-4598778				Nuveen CRED GP Member LLC	DE	NIA	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-3751720				CRED GP LLC	DE	NIA	Nuveen CRED GP Member LLC	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Office Fund GP LLC	DE	NIA	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Office Fund LP	DE	NIA	U.S. Cities Office Fund GP LLC	Ownership	100.000	TIAA Board of Overseers	N	
			61-1914684				U.S. Cities Office Fund REIT LLC	DE	NIA	U.S. Cities Office Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Office Fund Operating GP LLC	DE	NIA	U.S. Cities Office Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-4919858				U.S. Cities Office Fund Operating LP	DE	NIA	U.S. Cities Office Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
							USCOF Maryland Farms Holdings LLC	DE	NIA	U.S. Cities Office Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Office Fund Maryland Farms Co-Invest	DE	NIA	USCOF Maryland Farms Holdings LLC	Ownership	51.000	TIAA Board of Overseers	N	1000

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SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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			82-4054235				VRE-NRE Maryland Farms Venture	DE	NIA	Invest	Ownership	97.000	TIAA Board of Overseers	N	
			35-2633108				U.S. Cities Retail Fund GP LLC	DE	NIA	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Multifamily Fund GP LLC	DE	NIA	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-5466713	5157909			Nuveen Permian Investor Asset Manager Member LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-0631410				Permian Investor Asset Manager LLC	DE	NIA	Nuveen Permian Investor Asset Manager Member LLC	Ownership	50.000	TIAA Board of Overseers	N	
			82-3426937				Nuveen Real Estate Global Cities Advisors LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2502695				Nuveen Real Estate Project Management Services LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1162850	4617620			TIAA International Holdings 1 Limited	GBR	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1163394	4617639			TIAA International Holdings 2 Limited	GBR	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4618074			TIAA International Holdings 3 Limited	GBR	NIA	TIAA International Holdings 2 Limited	Ownership	100.000	TIAA Board of Overseers	N	
			98-1125673	4617705			Nuveen Real Estate Limited	GBR	NIA	TIAA International Holdings 3 Limited	Ownership	99.000	TIAA Board of Overseers	N	1100
			98-1125673	4617705			Nuveen Real Estate Limited	GBR	NIA	TIAA International Holdings 1 Limited	Ownership	1.000	TIAA Board of Overseers	N	1100
			98-1127648	4618195			Nuveen Administration Ltd	GBR	NIA	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Overseers	N	
			98-1128805	4618216			Nuveen Europe Holdings Limited	GBR	NIA	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Overseers	N	
				4715964			Asia Pacific Cities Management Sarl	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	N	
				4715955			Henderson European Retail Property Fund Management Sarl	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	94.900	TIAA Board of Overseers	N	
							Nuveen Alternatives Europe S.a.r.l	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Asset Management Europe S.a.r.l	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	N	
			4715937				Nuveen Fund (Europe) Management Sarl	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	N	
			4716756				Nuveen Fund Management (Jersey) Limited	JEY	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	N	
			4716774				Nuveen Management AIFM Limited	GBR	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Management Company (Luxembourg) No 1 Sarl	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	94.900	TIAA Board of Overseers	N	
			4716765				Nuveen Property Management (Jersey) Limited	JEY	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Real Estate Services GmbH (Austria)	AUT	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	N	
			98-1128787	4618243			Nuveen FCACO Ltd	GBR	NIA	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Overseers	N	
				4716783			Nuveen Real Estate Management Ltd	GBR	NIA	Nuveen FCACO Ltd	Ownership	100.000	TIAA Board of Overseers	N	
				4716868			Nuveen Shopping Centre Verwaltungs GmbH	DEU	NIA	Nuveen Real Estate Management Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			98-0582851	4313182			TIAA-CREF Asset Management UK Limited	GBR	NIA	Nuveen FCACO Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			98-1127632	4618261			Nuveen Group Holdings Ltd	GBR	NIA	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Overseers	N	
							Anglo-Sino Henderson Investment Consultancy (Beijing) Co Limited	CHN	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			4715311				CLOF II (GP) Limited	GBR	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			5154010				CLOF II Vanquish Limited	JEY	NIA	CLOF II (GP) Limited	Ownership	100.000	TIAA Board of Overseers	N	
			4715263				CLOF II (No 1 GP) Limited	GBR	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			4841304				CLOF II (No1 Nominee) Limited	GBR	NIA	CLOF II (No 1 GP) Limited	Ownership	100.000	TIAA Board of Overseers	N	
			4715281				CLOF II (No 2 GP) Limited	GBR	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			98-1165678				CLOF II (No 3 GP) Limited	GBR	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			4908328				Enhanced Debt Carry (GP) Sarl	LUX	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			5147003				ERES APAC II (GP) S.a.r.l	LUX	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
							ERES Europe II (GP) S.a.r.l	LUX	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			4949116				European Cities Partnership (GP) S.a.r.l.	LUX	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
							European Cities Partnership SCSp	LUX	NIA	European Cities Partnership (GP) S.a.r.l.	Influence		TIAA Board of Overseers	N	1200
			4841247				Islazul General Partner Sarl	LUX	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			4715245				Matador LP General Partner Limited	GBR	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			4912763				Nuveen Consulting (Shanghai) Co Ltd	CHN	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	N	

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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				4747059			Nuveen Corporate Secretarial Services Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715236			Nuveen (France) SAS	.FRA	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715898			Nuveen Immobilien GmbH	.DEU	.NIA	Nuveen Group Holdings Ltd	Influence		TIAA Board of Overseers	.N	
				4901244			Nuveen Italy Srl	.ITA	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715357			Nuveen Management Austria GmbH	.AUT	.NIA	Nuveen Group Holdings Ltd	Ownership	65.000	TIAA Board of Overseers	.N	
							Nuveen Management Finland Oy	.FIN	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4747152			Nuveen Operations Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841265			Nuveen Real Estate (Australia) Ltd	.AUS	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841256			Nuveen Real Estate Debt Partners (GP) Sarl	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
							Nuveen Real Estate Debt Partners II (GP) S.à.r.l								
				5134816			Global Real Estate Debt Partners Fund II (UK) SCSp	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
							Nuveen Real Estate Nominees Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	1300
				4715348			Nuveen Singapore Private Limited	.SGP	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715919			OMP (GP) Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715254			T-C Lux Investments GP Sarl	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4901235			TH Real Estate Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1014834	4617675			TIAA-CREF Luxembourg S.a.r.l	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
							Tokyo Multifamily GP PTE Ltd	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715272			UK OM (LP1) (GP) Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841292			UK OM (LP1) Limited	.GBR	.NIA	UK OM (LP1) (GP) Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4715290			UK OM (LP2) (GP) Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841283			UK OM (LP2) Limited	.GBR	.NIA	UK OM (LP2) (GP) Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4715320			UK OM (LP3) (GP) Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841274			UK OM (LP3) Limited	.GBR	.NIA	UK OM (LP3) (GP) Limited	Ownership	100.000	TIAA Board of Overseers	.N	
			06-1217855	4680325			Nuveen Real Estate Property Holdings L.L.C.	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							Nuveen Real Estate Property Holdings L.L.C.								
			30-0794692	4683559			Casa Partners VI GP, LLC	.DE	.NIA	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	.N	
							Casa Partners VII GP, LLC	.DE	.NIA	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	.N	
			47-5190671	4912772			Casa Partners VIII GP, LLC	.DE	.NIA	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	.N	
			82-4363605				Global Investors GP, L.L.C.	.DE	.NIA	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	.N	
			36-4477806	4681797			Global Investors GP II, L.L.C.	.DE	.NIA	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	.N	
							Global Investors GP IV, L.L.C.	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			20-2537749	4681809			TCGA BT AIV, LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			20-3070768	4681818			TCGA Investor Fund GP, LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-5367344	4747170			TCGA II Investor Fund GP, LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			45-5139523	4867368			TGAM International GP LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-3511076	4843278			TIAA Global Ag Special Member LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-4330570				TIAA Global Ag II Special Member LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			45-1532009	4801867			T-C U.S. Super Regional Mall Fund GP LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-1749609	4843287			U.S. Cities Fund GP, LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-3126089	4847388			U.S. Cities Industrial CPF Fund GP LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			20-1394681	4314255			U.S. Cities Industrial Fund GP LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3647870	5116607			U.S. Cities Multifamily CPF Fund GP LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							U.S. Cities Office CPF Fund GP LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3698954	5116616			U.S. Cities Retail CPF Fund GP LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3734470	5116625											
			81-3493929	5057652											

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PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			27-3416812	4312916			Westchester Group Investment Management Holding Company, Inc.	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			27-3417683	4312925			Westchester Group Investment Management, Inc.	DE	NIA	Westchester Group Investment Management Holding Company, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			87-0735518	4746977			Plata Wine Partners, LLC	CA	NIA	Westchester Group Investment Management, Inc.	Ownership	91.110	TIAA Board of Overseers	N	
			37-1261935	4617693			Terra Land Co.	IL	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			37-6589484	4747200			The Plata Wine Partners Trust	CA	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			37-1193973	4618186			Westchester Group Farm Management, Inc.	IL	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
				4618207			Westchester Group of Australia Pty Ltd.	AUS	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
							Westchester Group of Chile	CHL	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
				4794482			Westchester Group of Europe Ltd.	GBR	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
				4914730			Westchester Group SRL	ROU	NIA	Westchester Group of Europe Ltd.	Ownership	99.000	TIAA Board of Overseers	N	1400
							Westchester Group of Poland Sp. Z.o.o.	POL	NIA	Westchester Group of Europe Ltd.	Ownership	100.000	TIAA Board of Overseers	N	
							Westchester Group SRL	ROU	NIA	Westchester Group of Poland Sp. Z.o.o.	Ownership	1.000	TIAA Board of Overseers	N	1400
			37-1194491	4618225			Westchester Group Real Estate, Inc.	IL	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
							Westchester Group South America Gestao de Investimentos Ltda.	BRA	NIA	Westchester Group Real Estate, Inc.	Ownership	1.000	TIAA Board of Overseers	N	1500
							Westchester Group South America Gestao de Investimentos Ltda.	BRA	NIA	Westchester Group Investment Management, Inc.	Ownership	99.000	TIAA Board of Overseers	N	1500
			84-3766552				Westchester NGFF Investment LLC	DE	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			47-1563437	4749941			Nuveen Finance, LLC	DE	NIA	Nuveen, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3425820	5110025			Nuveen Holdings 1, Inc.	DE	NIA	Nuveen Finance, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-0373324	4767758			Nuveen Holdings, Inc.	DE	NIA	Nuveen Holdings 1, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			36-3817266	3707551	885708		Nuveen Investments, Inc.	DE	NIA	Nuveen Holdings, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			26-0627593	4774710			Gresham Asset Management LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	78.900	TIAA Board of Overseers	N	
			20-1930384	4349828			Gresham Investment Management LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	78.900	TIAA Board of Overseers	N	
				4781941			Gresham Investment Management Asia Pte. Ltd.	SGP	NIA	Gresham Investment Management LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-4839486	5153992			Nuveen Alternative Investments, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			83-3751978				Nuveen Capital Markets LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			83-4025630				Symphony Alternative Asset Management LLC	DE	NIA	Nuveen Capital Markets LLC	Ownership	100.000	TIAA Board of Overseers	N	
			31-0942504	4774792	1311016		Nuveen Fund Advisors, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			27-4357327	4781624	1521019		Nuveen Asset Management, LLC	DE	NIA	Nuveen Fund Advisors, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-3293941				NIS/R&T, Inc.	IL	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			37-1695518	4774831	1602161		Nuveen WCM Holdings, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			90-0860898	4776527	900973		Winslow Capital Management, LLC	DE	NIA	Nuveen WCM Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-0730906	5147021			Growth Capital GP I, LLC	DE	NIA	Winslow Capital Management, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-4709028	4774868	1602171		Nuveen NIQ Holdings, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			30-0892190	4981189	1661847		NIQ Partners, LLC	DE	NIA	Nuveen NIQ Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-0875103	4776518	763848		NIQ Investment Management Company, LLC	DE	NIA	NIQ Partners, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-2639476	4775137	73387		Nuveen Securities, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			20-3432117	4774822	1109426		Santa Barbara Asset Management, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			94-3252504	4774813	1030815		Symphony Asset Management LLC	CA	NIA	Nuveen Investments, Inc.	Ownership	51.000	TIAA Board of Overseers	N	1600
			36-7364377	4774783			Nuveen Investments Holdings, Inc.	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			94-3252504	4774813	1030815		Symphony Asset Management LLC	CA	NIA	Nuveen Investments Holdings, Inc.	Ownership	49.000	TIAA Board of Overseers	N	1600

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SCHEDULE Y
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			30-1032009				Symphony Risk Retention Finance LLC	DE	NIA	Symphony Asset Management LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
			13-3760073	4313306	939222		SRR 1 LLC	DE	NIA	Symphony Risk Retention Finance LLC	Ownership.....	51.000	TIAA Board of Overseers	N	
			82-1157427				Teachers Advisors, LLC	DE	NIA	Nuveen Finance, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							ColInvest Member LLC	DE	NIA	Teachers Advisors, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							CLO ColInvest I LLC	DE	NIA	ColInvest Member LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							Nuveen TALF Opportunities GP, LLC	DE	NIA	Teachers Advisors, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
			13-3987258	4599052			485 Properties, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			16-1735872	4601209			TCPC Associates, LLC	DE	NIA	485 Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
			81-3091169	5026603			730 Data Centers, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			82-0793232	5154029			730 Aviator, LLC	DE	NIA	730 Data Centers, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
			81-3106043	5036303			730 Databridge, LLC	DE	NIA	730 Data Centers, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
			47-2616735	4801719			730 Power Development, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			47-2622825	4810784			730 Carroll, LLC	DE	NIA	730 Power Development, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
				4949107			730 Cricket, LLC	DE	NIA	730 Power Development, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
			47-5363027	4936116			730 Telecom LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
							730 Transmission, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
							730 Hotspur, LLC	DE	NIA	730 Transmission, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
			13-4042885	4599801			730 Texas Forest Holdings, Inc.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	Y	
										Teachers Insurance and Annuity Association of America					
			51-0494351	4599838			730 Texas Timberlands II, Ltd.	TX	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	99.500	TIAA Board of Overseers	N	1700
			51-0494351	4599838			730 Texas Timberlands II, Ltd.	TX	NIA	730 Texas Forest Holdings, Inc.	Ownership.....	0.500	TIAA Board of Overseers	N	1700
										Teachers Insurance and Annuity Association of America					
			13-4040842	4601722			TIAA Timberlands I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
			13-4085431	4601740			TIAA Timberlands II, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			13-4042888	4601713			730 Texas Timberlands, Ltd.	TX	NIA	TIAA Timberlands I, LLC	Ownership.....	99.500	TIAA Board of Overseers	N	1800
			13-4042888	4601713			730 Texas Timberlands, Ltd.	TX	NIA	730 Texas Forest Holdings, Inc.	Ownership.....	0.500	TIAA Board of Overseers	N	1800
										Teachers Insurance and Annuity Association of America					
			38-3847245	4602840			Actoil, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
			46-3373066	4602916			Actoil Colorado, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
				4651521			Great Western Petroleum LLC	DE	NIA	Actoil Colorado, LLC	Influence.....		TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
				4747134			ASC Holdings, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Influence.....		TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
							BRE Jupiter Holdco UT DC, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
							BRE Jupiter Mezz 2 UT DC, LLC	DE	NIA	BRE Jupiter Holdco UT DC, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							BRE Jupiter Mezz 1 UT DC, LLC	DE	NIA	BRE Jupiter Mezz 2 UT DC, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							BRE Jupiter UT DC, LLC	DE	NIA	BRE Jupiter Mezz 1 UT DC, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
							BRE Jupiter Holdco Agave DC, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
							BRE Jupiter Mezz 2 Agave DC, LLC	DE	NIA	BRE Jupiter Holdco Agave DC, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							BRE Jupiter Mezz 1 Agave DC, LLC	DE	NIA	BRE Jupiter Mezz 2 Agave DC, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America					
			46-1952974	4599940			Broadleaf Timberland Investments, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			26-4647417	4601768			Quercus Forestland Account, LLC	NC	NIA	Broadleaf Timberland Investments, LLC	Ownership.....	99.000	TIAA Board of Overseers	N	
				4618346			Quercus Panama, LLC	DE	NIA	Quercus Forestland Account, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
				4651503			Quercus Algoma Corporation	CAN	NIA	Quercus Forestland Account, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	

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			46-2916514	4860538 4613426			Quercus Algoma Land Corporation Quercus West Virginia, LLC	CAN DE	NIA NIA	Quercus Algoma Corporation Quercus Forestland Account, LLC Teachers Insurance and Annuity Association of America	Ownership Ownership	100.000 99.900	TIAA Board of Overseers TIAA Board of Overseers	N N	
			47-2167228	4776451			Casa Student Housing Fund Holdings, LLC	DE	NIA	Casa Student Housing Fund Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-3994280	4865047			Shf-33d North Apts, LLC	DE	NIA	Casa Student Housing Fund Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-4155469	4865056			Shf-Millennium One Apts, LLC	DE	NIA	Casa Student Housing Fund Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-2450195	4990958			Shf-The Rocks Apts, LLC	DE	NIA	Casa Student Housing Fund Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-4455610	4990967			PEP-TH CASA Student Housing, LLC	DE	NIA	Casa Student Housing Fund Holdings, LLC	Ownership	90.000	TIAA Board of Overseers	N	
			47-4455303	5194418			CSHF-PEP Purdue LLC	DE	NIA	PEP-TH CASA Student Housing, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			30-0965548	5195237			CSHF-PEP USF LLC	DE	NIA	PEP-TH CASA Student Housing, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			13-1624203	4600015			CCM Series, LLC	DE	NIA	Casa Student Housing Fund Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-4069196	4899604			CCAP Fund 6 - 2015, L.P.	DE	NIA	CCM Series, LLC	Ownership	87.500	TIAA Board of Overseers	N	
			81-1205888	5010648			CCAP Fund 6 - 2016, L.P.	DE	NIA	CCM Series, LLC	Ownership	97.800	TIAA Board of Overseers	N	
			81-4732595	5183485			CCAP Fund 6 - 2017, L.P.	DE	NIA	CCM Series, LLC	Ownership	91.100	TIAA Board of Overseers	N	
			82-3167398				CCAP FUND 6 - 2018, L.P.	DE	NIA	CCM Series, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2787412				CCAP FUND 6 - 2019, L.P.	DE	NIA	CCM Series, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-4079472	4899613			CCAP Fund 8 - 2015, L.P.	DE	NIA	CCM Series, LLC	Ownership	92.100	TIAA Board of Overseers	N	
			81-1212188	5010639			CCAP Fund 8 - 2016, L.P.	DE	NIA	CCM Series, LLC	Ownership	90.900	TIAA Board of Overseers	N	
			81-3718876	5047596			CCAP Fund 8 - 2017, L.P.	DE	NIA	CCM Series, LLC	Ownership	91.600	TIAA Board of Overseers	N	
			82-3182368				CCAP FUND 8 - 2018, L.P.	DE	NIA	CCM Series, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2793857				CCAP FUND 8 - 2019, L.P.	DE	NIA	CCM Series, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-0821374	4990903			CCAP Fund HFD, L.P.	DE	NIA	CCM Series, LLC	Ownership	98.600	TIAA Board of Overseers	N	
			81-0758188	4990891			CCAP Fund HFND, L.P.	DE	NIA	CCM Series, LLC	Ownership	93.600	TIAA Board of Overseers	N	
			56-2672630	4600033			Ceres Agricultural Properties, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			37-1555322	4601816			Premiere Agricultural Properties, LLC	DE	NIA	Ceres Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			80-0843991	4628596			Loma del Rio Vineyards, LLC	DE	NIA	Premiere Agricultural Properties, LLC	Ownership	45.000	TIAA Board of Overseers	N	1900
			36-4620107	4601825			Premiere Columbia Properties, LLC	DE	NIA	Ceres Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			30-0449681	4601834			Premiere Farm Properties, LLC	DE	NIA	Ceres Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-3484719	4601843			Demeter Agricultural Properties II, LLC	DE	NIA	Ceres Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-0352203	4628372			International Agricultural Investors, LLC	DE	NIA	Ceres Agricultural Properties, LLC	Ownership	99.240	TIAA Board of Overseers	N	
				4633321			IAI Australia Pty., Ltd.	AUS	NIA	International Agricultural Investors, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4633330			IAI Australia Trust	AUS	NIA	International Agricultural Investors, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4633358			IAI USA, LLC	DE	NIA	International Agricultural Investors, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-2745365	4628363			International Agricultural Investors Fund II, LLC	DE	NIA	Ceres Agricultural Properties, LLC	Ownership	99.000	TIAA Board of Overseers	N	
				4633303			IAI Australia Fund II, Pty., Ltd.	AUS	NIA	International Agricultural Investors Fund II, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4633312			IAI Australia Fund II Trust	AUS	NIA	International Agricultural Investors Fund II, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-2747755	4633349			IAI USA Fund II, LLC	DE	NIA	International Agricultural Investors Fund II, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			98-1402136				Churchill Middle Market CLO IV Ltd.	CYM	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-1810508	5041624			Churchill Middle Market Senior Loan Fund, LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
			81-2914954	5106457			CPF/UIR JV Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-2928112	5110034			CPF/UIR Joint Venture LLC	DE	NIA	CPF/UIR JV Member LLC	Ownership	51.000	TIAA Board of Overseers	N	
			81-2955427	5110490			CPF 636 Sixth Avenue LLC	DE	NIA	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2264739	4785949			T-C 636 Sixth Avenue Retail LLC	DE	NIA	CPF 636 Sixth Avenue LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-2982618	5110511			CPF 856 Market Street LLC	DE	NIA	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-2973332	5110502			CPF 1511 Third Avenue LLC	DE	NIA	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4785930			T-C 1608 Chestnut General Partner LLC	DE	NIA	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	

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				4843371			1608 Chestnut Partners LP	DE	NIA	T-C 1608 Chestnut General Partner LLC	Ownership	1.000	TIAA Board of Overseers	N	2000
				4785958			T-C 1608 Chestnut Limited Partner LLC	DE	NIA	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4843371			1608 Chestnut Partners LP	DE	NIA	T-C 1608 Chestnut Limited Partner LLC	Ownership	99.000	TIAA Board of Overseers	N	2000
			26-3049305	4601928			Demeter Agricultural Properties, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			45-2632248	4600770			Dionysus Properties, LLC	DE	NIA	Dionysus Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			94-3306131	4601861			Silverado Premium Properties, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			68-0436609	4612764			Arroya Loma, LLC	DE	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			75-3025596	4612867			Chalk Ridge Vineyard, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			20-3964695	4613314			Hobson Avenue Vineyard, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-1542713	4613417			Marsino Vineyard, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			20-2103733	4613864			Silverado Los Alamos Vineyards, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			20-2490906	4613882			Silverado SLO Vineyards, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			20-2103788	4613891			Silverado Sonoma Vineyard, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			68-0466083	4613949			SPP Napa Vineyards, LLC	DE	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			94-3361818	4613967			Stanly Ranch Vineyards, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-3774024	4613976			Suscol Mountain Vineyards, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-2766605	4614665			Terra Ventosa Vineyards, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			43-3997217	4601870			Silverado Winegrowers Holdings, LLC	DE	NIA	Dionysus Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			68-0443927	4613921			Silverado Winegrowers LLC	CA	NIA	Silverado Winegrowers Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			94-3357571	4614759			Alta Loma Vineyard, LLC	CA	NIA	Silverado Winegrowers LLC	Ownership	100.000	TIAA Board of Overseers	N	
			94-3312405	4615671			Oak Knoll Napa Vineyards, LLC	CA	NIA	Silverado Winegrowers LLC	Ownership	100.000	TIAA Board of Overseers	N	
			91-1806950	4615783			Silverado Suscol, LLC	CA	NIA	Silverado Winegrowers LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-4820104	4617077			SWG Paso Vineyard, LLC	CA	NIA	Silverado Winegrowers LLC	Ownership	100.000	TIAA Board of Overseers	N	
										Teachers Insurance and Annuity Association of America	Ownership	50.000	TIAA Board of Overseers	N	
			26-3561447	4599708	1454640		Distressed Opportunities Fund, L.P.	DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	N	
				4680307			DWM Inclusive Finance Equity Fund II	LUX	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	N	
			98-0580879	4633947			DWM Microfinance Equity Fund I	LUX	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	N	
			04-3718449	4643003			Envisage Information Systems, LLC	NY	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			30-0701953	4633974			EPP LFG I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	N	
				4894805			Global Real Estate Debt Partners Fund I (UK)	LUX	NIA	Teachers Insurance and Annuity Association of America	Ownership	36.300	TIAA Board of Overseers	N	2100
							Global Real Estate Debt Partners Fund II (UK) SCSp	LUX	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	N	1300
			20-1930384		1684621		Gresham CMS Fund, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	98.080	TIAA Board of Overseers	N	
			32-0509812		1699398		GreshamQuant ACAR Fund LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	62.690	TIAA Board of Overseers	N	
			81-0737062	4952750			Growth Capital Fund I, L.P.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	94.000	TIAA Board of Overseers	N	
							Growth Capital Fund II, L.P.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							Hillhouse China Value Fund, L.P.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							IC Partners Onshore Fund	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4860556			Inception GP LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			46-2031403	4860800			Inception Partners IV, LP	.DE	.NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	
			46-2062147	4860819			Inception Partners V, LP	.DE	.NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	
			27-4149157	4860846			Infra Alpha, LLC	.DE	.NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			27-3900641	4860855			EMG Investments, LLC	.DE	.NIA	Infra Alpha, LLC	Influence		TIAA Board of Overseers	.N	
			47-4169877	4874656			Lewis & Clark Timberlands, LLC	.DE	.NIA	Teachers Insurance and Annuity Association of America	Ownership	57.400	TIAA Board of Overseers	.N	
			47-4187541	4876436			L&C Log Co, LLC	.DE	.NIA	Lewis & Clark Timberlands, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-4196668	4945967			L&C Tree Farms, LLC	.DE	.NIA	Lewis & Clark Timberlands, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-5300478	4946384			L&C TRS LLC	.DE	.NIA	L&C Tree Farms, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			27-2007833	4635334			Liberty M & R SPV II, LP	.DE	.NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			4601852				Mansilla Participacoes LTDA	.BRA	.NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			4634654				Radar Propriedades Agricolas S.A.	.BRA	.NIA	Mansilla Participacoes LTDA	Ownership	65.770	TIAA Board of Overseers	.N	2200
			4643049				Nova Amaralina S.A. Propriedades Agricolas	.BRA	.NIA	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
			4643320				Nova Agricola Ponte Alta S.A.	.BRA	.NIA	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
			4643058				Nova Santa Barbara Agricola S.A.	.BRA	.NIA	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
			4644523				Terras da Ponte Alta S.A.	.BRA	.NIA	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
			4634645				Radar II Propriedades Agricolas S.A.	.BRA	.NIA	Mansilla Participacoes LTDA	Influence		TIAA Board of Overseers	.N	
			4643085				Proud Participacoes S.A.	.BRA	.NIA	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
			4634654				Radar Propriedades Agricolas S.A.	.BRA	.NIA	Radar II Propriedades Agricolas S.A.	Ownership	15.310	TIAA Board of Overseers	.N	2200
			4644336				Vale De Ponte Alta S.A.	.BRA	.NIA	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
			4644318				Bioinvestments Negocios e Participacoes	.BRA	.NIA	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
			4644309				Aguas de Ponte Alta S.A.	.BRA	.NIA	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
			13-1624203	5077137			MM Funding, LLC	.DE	.NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			47-0902011	5043075			MyVest Corporation	.DE	.NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.Y	
			11-3034756	4600789			ND Properties, Inc.	.DE	.NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.Y	
			4634917				Norteshopping Retail and Leisure Centre BV	.NLD	.NIA	ND Properties, Inc.	Ownership	50.000	TIAA Board of Overseers	.N	
			4634926				Norteshopping - Centro Commercial, S.A.	.PRT	.NIA	Norteshopping Retail and Leisure Centre BV	Ownership	100.000	TIAA Board of Overseers	.N	
			4611824				ND Europe S.a.r.l.	.LUX	.NIA	ND Properties, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
			4912781				ND Europe Office Holding S.à r.l.	.LUX	.NIA	ND Europe S.a.r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
			4925558				Cityhold Nympe S.à r.l.	.LUX	.NIA	ND Europe Office Holding S.à r.l.	Influence		TIAA Board of Overseers	.N	2300
			4925530				Cityhold Propco 11 S.à r.l.	.LUX	.NIA	ND Europe Office Holding S.à r.l.	Influence		TIAA Board of Overseers	.N	
			4914776				Cityhold Euro S.à r.l.	.LUX	.NIA	ND Europe Office Holding S.à r.l.	Influence		TIAA Board of Overseers	.N	2400
			4913416				Cityhold Office Partnership S.à r.l.	.LUX	.NIA	ND Europe Office Holding S.à r.l.	Influence		TIAA Board of Overseers	.N	
							CHOP OPCl	.FRA	.NIA	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1435873				Cityhold Iconic Holding SAS	.FRA	.NIA	CHOP OPCl	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1433967				Cityhold Iconic Hotel SNC	.FRA	.NIA	Cityhold Iconic Holding SAS	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1433956				Cityhold Iconic Office SCI	.FRA	.NIA	Cityhold Iconic Holding SAS	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1433960				Cityhold Iconic Retail SNC	.FRA	.NIA	Cityhold Iconic Holding SAS	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1433975				Cityhold Iconic Youth Hostel SNC	.FRA	.NIA	Cityhold Iconic Holding SAS	Ownership	100.000	TIAA Board of Overseers	.N	
				4925558			Cityhold Nympe S.à r.l.	.LUX	.NIA	Cityhold Office Partnership S.à r.l.	Ownership	88.000	TIAA Board of Overseers	.N	2300
				4920094			Cityhold Propco 6 S.à r.l.	.LUX	.NIA	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1433939				Cityhold Iconic Hotel OPCO SAS	.FRA	.NIA	Cityhold Propco 6 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1435880				Cityhold Iconic Investment S.à r.l.	.LUX	.NIA	Cityhold Propco 6 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4925521			Cityhold Propco 9 S.à r.l.	.LUX	.NIA	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
			4612746				36 Rue La Fayette SAS	.FRA	.NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	

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				4613828			SAS Roosevelt	.FRA	NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4914767			Roosevelt Participation S.à r.l.	.LUX	NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4615578			SNC Roosevelt	.FRA	NIA	SAS Roosevelt	Ownership	99.990	TIAA Board of Overseers	.N	2500
				4615578			SNC Roosevelt	.FRA	NIA	Roosevelt Participation S.à r.l.	Ownership	0.010	TIAA Board of Overseers	.N	2500
				4612876			Courcelles 70 SAS	.FRA	NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4914776			Cityhold Euro S.à r.l.	.LUX	NIA	Cityhold Propco 9 S.à r.l.	Ownership	88.000	TIAA Board of Overseers	.N	2400
				4925549			Cityhold Propco 7 S.à r.l.	.LUX	NIA	Cityhold Euro S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4925615			Cityhold Propco 10 S.à r.l.	.LUX	NIA	Cityhold Euro S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Cityhold Gouden Bocht B.V.	.NLD	NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Cityhold Gouden Bocht Monumenten B.V.	.NLD	NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1438380				Redevelopment Property II B.V.	.NLD	NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4925633			Cityhold Propco 12 S.à r.l.	.LUX	NIA	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Cityhold EST Investment S.à r.l.	.LUX	NIA	Cityhold Propco 12 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Cityhold Prinses Coöperatief U.A.	.NLD	NIA	Cityhold EST Investment S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Cityhold Prinses AcquiCo Coöperatief BV	.NLD	NIA	Cityhold Prinses Coöperatief U.A.	Ownership	100.000	TIAA Board of Overseers	.N	
							Arc Portfolio Owner Prinses B.V.	.NLD	NIA	Cityhold Prinses AcquiCo Coöperatief BV	Ownership	100.000	TIAA Board of Overseers	.N	
							Cityhold GC Investment S.à r.l.	.LUX	NIA	Cityhold Propco 12 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							OVG Cloud S.à r.l.	.LUX	NIA	Cityhold GC Investment S.à r.l.	Influence		TIAA Board of Overseers	.N	
				4914785			Cityhold Sterling S.à r.l.	.LUX	NIA	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4914758			Cityhold UK Holding S.à r.l.	.LUX	NIA	Cityhold Sterling S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4919753			Cityhold UK Investment S.à r.l.	.LUX	NIA	Cityhold UK Holding S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4651343			London Belgrave Unit Trust	.JEY	NIA	Cityhold UK Holding S.à r.l.	Ownership	99.800	TIAA Board of Overseers	.N	2600
				4651343			London Belgrave Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l.	Ownership	0.200	TIAA Board of Overseers	.N	2600
				4949198			CLOF Victoria Nominee 1 Limited	.GBR	NIA	London Belgrave Unit Trust	Ownership	100.000	TIAA Board of Overseers	.N	
				4949228			CLOF Victoria Nominee 2 Limited	.GBR	NIA	London Belgrave Unit Trust	Ownership	100.000	TIAA Board of Overseers	.N	
				4844341			New Fetter Lane Unit Trust	.JEY	NIA	Cityhold UK Holding S.à r.l.	Ownership	99.900	TIAA Board of Overseers	.N	2700
				4844341			New Fetter Lane Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l.	Ownership	0.100	TIAA Board of Overseers	.N	2700
				4919744			60 Great Portland Street Unit Trust	.JEY	NIA	Cityhold UK Holding S.à r.l.	Ownership	99.400	TIAA Board of Overseers	.N	2800
				4919744			60 Great Portland Street Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l.	Ownership	0.600	TIAA Board of Overseers	.N	2800
				4920076			SMA Holding S.à r.l.	.LUX	NIA	Cityhold UK Investment S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4919744			70 St Mary Axe Unit Trust	.JEY	NIA	SMA Holding S.à r.l.	Ownership	99.900	TIAA Board of Overseers	.N	2900
				4919744			70 St Mary Axe Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l.	Ownership	0.100	TIAA Board of Overseers	.N	2900
				4920067			HV Properties S.à r.l.	.LUX	NIA	Cityhold UK Holding S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4925763			HV Freehold S.à r.l.	.LUX	NIA	HV Properties S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4614704			TIAA Lux 9 S.à r.l.	.LUX	NIA	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4615738			SAS Malachite	.FRA	NIA	TIAA Lux 9 S.a.r.l	Ownership	100.000	TIAA Board of Overseers	.N	
				4616847			SNC Garnet-TIAA	.FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Overseers	.N	
				4616856			SNC La Defense	.FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Overseers	.N	
				4616865			SNC Lazuli	.FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Overseers	.N	
				4616874			SNC Peridot	.FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Overseers	.N	
				4612997			T-C Neuperlach Development S.a.r.l.	.LUX	NIA	ND Europe S.a.r.l.	Ownership	51.000	TIAA Board of Overseers	.N	
				4613015			T-C Pep Holding S.a.r.l.	.LUX	NIA	ND Europe S.a.r.l.	Ownership	51.000	TIAA Board of Overseers	.N	
				4617497			T-C Pep Property S.a.r.l.	.LUX	NIA	T-C Pep Holding S.a.r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4617488			T-C Pep Asset S.a.r.l.	.LUX	NIA	T-C Pep Holding S.a.r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4614674			TIAA Lux 11 S.a.r.l	.LUX	NIA	ND Europe S.a.r.l.	Ownership	51.000	TIAA Board of Overseers	.N	
				4615635			Gropius Passagen Verwaltungs GmbH	.DEU	NIA	TIAA Lux 11 S.a.r.l	Ownership	80.000	TIAA Board of Overseers	.N	
				4615644			Gropius S.a.r.l	.LUX	NIA	TIAA Lux 11 S.a.r.l	Ownership	80.000	TIAA Board of Overseers	.N	
				4615626			Gropius Passagen GmbH & Co KG	.DEU	NIA	Gropius S.a.r.l	Ownership	99.800	TIAA Board of Overseers	.N	3000
				4615626			Gropius Passagen GmbH & Co KG	.DEU	NIA	TIAA Lux 11 S.a.r.l	Ownership	0.200	TIAA Board of Overseers	.N	3000
				4611842			TIAA Lux 5 S.a.r.l.	.LUX	NIA	ND Properties, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
				4612906			Erlangen Arcaden Verwaltungs GmbH	.DEU	NIA	TIAA Lux 5 S.a.r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
			20-1371171		1378575		U.S. Cities Fund, LP	.DE	NIA	ND Properties, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
			20-1371379				U.S. Cities Fund REIT, LLC	.DE	NIA	U.S. Cities Fund, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			20-1364650				U.S. Cities Fund Operating GP, LLC	.DE	NIA	U.S. Cities Fund REIT, LLC	Ownership	100.000	TIAA Board of Overseers	.N	

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			20-1371235	4617602			U.S. Cities Fund Operating, LP	DE	NIA	U.S. Cities Fund REIT, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-5061808	4702928			T-C Falls Center Townhouses LLC	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Overseers	N	
			26-1700245	4617853			T-C King Street Station LLC	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Overseers	N	
			45-2892182	4618177			T-C Trio Apartments LLC	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-3738136	5115495			U.S. Cities Industrial CPF Fund LP	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-3681230	5115972			U.S. Cities Industrial CPF Fund REIT LLC	DE	NIA	U.S. Cities Industrial Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Industrial CPF Fund Operating GP LLC	DE	NIA	U.S. Cities Industrial Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3671343	5116755			U.S. Cities Industrial CPF Fund Operating LP	DE	NIA	U.S. Cities Industrial Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3757117	5116250			U.S. Cities Multifamily CPF Fund LP	DE	NIA	U.S. Cities Industrial Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3765537	5115507			U.S. Cities Multifamily CPF Fund REIT LLC	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-3870674	5115963			U.S. Cities Multifamily CPF Fund Operating GP LLC	DE	NIA	U.S. Cities Multifamily Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-3716920	5116782			U.S. Cities Multifamily CPF Fund Operating LP	DE	NIA	U.S. Cities Multifamily Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3794611	5116773			U.S. Cities Office CPF Fund LP	DE	NIA	U.S. Cities Multifamily Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3814378	5115516			U.S. Cities Office CPF Fund REIT LLC	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-3911937	5115945			U.S. Cities Office CPF Fund Operating GP LLC	DE	NIA	U.S. Cities Office Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-3881522	5116595			U.S. Cities Office CPF Fund Operating LP	DE	NIA	U.S. Cities Office Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3839479	5116791			U.S. Cities Retail CPF Fund LP	DE	NIA	U.S. Cities Office Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3437405	5057689			U.S. Cities Retail CPF Fund REIT LLC	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-3573421	5066403			U.S. Cities Retail CPF Fund Operating GP LLC	DE	NIA	U.S. Cities Retail Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-3578259	5086924			U.S. Cities Retail CPF Fund Operating LP	DE	NIA	U.S. Cities Retail Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3473773	5075713			T-C Potomac Promenade LLC	DE	NIA	U.S. Cities Retail Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			27-4116676	4618092			TCAM Core Prop Fund REIT 2 LLC	DE	NIA	U.S. Cities Retail Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-4935916	4952611						U.S. Cities Fund, LP	Ownership	100.000	TIAA Board of Overseers	N	
			82-4183425				New York City Property Fund II LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	86.300	TIAA Board of Overseers	N	
			83-4678924				New York City Property Fund REIT LLC	DE	NIA	New York City Property Fund II LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-4701919				New York City Fund Operating GP LLC	DE	NIA	New York City Property Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-4671194				New York City Property Fund Operating LP	DE	NIA	New York City Property Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-3388831				125 West End Investors LLC	DE	NIA	New York City Property Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
							125 West End Holdings LLC	DE	NIA	125 West End Investors LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-4653622				125 West End Associates LLC	DE	NIA	125 West End Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2320652				NGFF Holdco, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-1895540				Nuveen Global Farmland Fund, LP	DE	NIA	NGFF Holdco, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-1834824				Global Farmland US Properties, LLC	DE	NIA	Nuveen Global Farmland Fund, LP	Ownership	100.000	TIAA Board of Overseers	N	
			84-1857338				US Horticulture Farmland, LLC	DE	NIA	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-1842298				US Row Farmland, LLC	DE	NIA	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-1880235				US Viticulture Farmland, LLC	DE	NIA	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen High Yield Municipal Opportunities Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	68.860	TIAA Board of Overseers	N	
							Nuveen Municipal Opportunities Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	74.420	TIAA Board of Overseers	N	
			81-2429791	5194061			Nuveen Real Estate U.S. Strategic Industrial Fund I LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
			26-4750562	4600846			Occator Agricultural Properties, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			46-1768969	4611860			AGR Agricultural Investments, LLC	DE	NIA	Occator Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4643861			Ridley Corporation Limited	AUS	NIA	AGR Agricultural Investments	Influence		TIAA Board of Overseers	N	
				5106475			Mandala Food Co-Investment Holdings II SPV	MUS	NIA	Occator Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			45-1125143 26-4621336	4628608 4644475			Materra, LLC Teays River Investments, LLC	.CA .DE	NIA NIA	Occator Agricultural Properties, LLC Occator Agricultural Properties, LLC	Influence Influence		TIAA Board of Overseers TIAA Board of Overseers	.N .N	
			26-4248579	4313025			Oleum Holding Company, Inc. 2234328 Alberta ULC	.DE .CAN	NIA NIA	Teachers Insurance and Annuity Association of America Oleum Holding Company, Inc.	Ownership Ownership	100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers	.Y .N	
				4313100			Polar Star Canadian Oil and Gas Holding, Inc	.CAN	NIA	Oleum Holding Company, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
				4612755			Adastra Management, Inc.	.CAN	NIA	Polar Star Canadian Oil and Gas Holding, Inc	Management		TIAA Board of Overseers	.N	
			26-3821015	4630133			Pinnacle Third Avenue, LP	.DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	
			81-6646838	5018644			Primary Residential Individual Mortgage Entity Trust	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			45-2792614	4601142 4990994 4614713			Renewable Timber Europe, LLC Renewable Timber Netherlands B.V. Topola Lasy Spolka z.o.o.	.DE .POL .POL	NIA NIA NIA	Teachers Insurance and Annuity Association of America Renewable Timber Europe, LLC Renewable Timber Netherlands B.V.	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	.N .N .N	
			61-1640765	4601759			Renewable Timber Resources, LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
				4611927			Forestal y Agrícola Silvoligna Chile Limitada	.CHL	NIA	Renewable Timber Resources, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			03-0543113	4868637			Siguler Guff Third Avenue, L.P.	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
				4858629			Social Infra, LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
				4630601			Stichting Bewaarder Ziemia Fund	.NLD	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	
			81-2525521	4998468 5077128			T-C 400 Montgomery, LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
							400 Montgomery Investors, LLC	.DE	NIA	T-C 400 Montgomery, LLC	Ownership	97.500	TIAA Board of Overseers	.N	
			27-4123754	4601777			T-C 685 Third Avenue Member, LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			27-3095569	4644000	1510620		T-C 685 Third Avenue, LLC	.DE	NIA	T-C 685 Third Avenue Member, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			61-1754745	4843915			T-C 685 Third Avenue Owner LLC	.DE	NIA	T-C 685 Third Avenue, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-4969690	4653972			T-C 699 Bourke Street LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			81-2490530	4998431			T-C Australia RE Holdings I, LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			81-2506975	5003426			T-C Australia RE Holdings II, LLC	.DE	NIA	T-C Australia RE Holdings I, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				5084966			TIAA Australia Real Estate Trust	.AUS	NIA	T-C Australia RE Holdings II, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				5195255			TGA Miller Holding Trust	.AUS	NIA	TIAA Australia Real Estate Trust	Ownership	100.000	TIAA Board of Overseers	.N	
				5201820			TGA Miller Street Trust	.AUS	NIA	TGA Miller Holding Trust	Ownership	100.000	TIAA Board of Overseers	.N	
				5085749			TIAA Melbourne Retail Holding 1 Trust	.AUS	NIA	TIAA Australia Real Estate Trust	Ownership	100.000	TIAA Board of Overseers	.N	
				5087891			TIAA Melbourne Retail Asset 1 Trust	.AUS	NIA	TIAA Melbourne Retail Holding 1 Trust	Ownership	100.000	TIAA Board of Overseers	.N	
							TGA Australia Real Estate Trust 2	.AUS	NIA	T-C Australia RE Holdings II, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							TGA PBSA Hold Trust	.AUS	NIA	TGA Australia Real Estate Trust 2	Ownership	100.000	TIAA Board of Overseers	.N	
							TGA PBSA Asset Trust 1	.AUS	NIA	TGA PBSA Hold Trust	Ownership	100.000	TIAA Board of Overseers	.N	
							TGA PBSA Asset Trust 2	.AUS	NIA	TGA PBSA Hold Trust	Ownership	100.000	TIAA Board of Overseers	.N	
							TGA PBSA Asset Trust 3	.AUS	NIA	TGA PBSA Hold Trust	Ownership	100.000	TIAA Board of Overseers	.N	
							TGA PBSA Hold Trust 2	.AUS	NIA	TGA Australia Real Estate Trust 2	Ownership	100.000	TIAA Board of Overseers	.N	
							TGA PBSA Asset Trust 4	.AUS	NIA	TGA PBSA Hold Trust 2	Ownership	100.000	TIAA Board of Overseers	.N	
			47-2363168	4794503			T-C Europe Holding Inc.	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			47-2369576	4794473			T-C Europe LP	.DE	NIA	T-C Europe Holding Inc.	Ownership	1.000	TIAA Board of Overseers	.N	3100

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			47-2369576	4794473			T-C Europe LP	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	99.000	TIAA Board of Overseers	.N	3100
				4843410			T-C Europe S.à r.l.	.LUX	NIA	T-C Europe LP	Ownership	100.000	TIAA Board of Overseers	.N	
				4873501			Nightingale LuxCo S.à r.l.	.LUX	NIA	T-C Europe S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4874665			T-C Nordics Investment AB	.SWE	NIA	Nightingale LuxCo S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4908391			Sweden Nova Lund 1 AB	.SWE	NIA	T-C Nordics Investment AB	Ownership	100.000	TIAA Board of Overseers	.N	
				4908403			Sweden Nova Lund 2 AB	.SWE	NIA	T-C Nordics Investment AB	Ownership	100.000	TIAA Board of Overseers	.N	
				4841443			T-C Luxembourg Neptune Holdings S.à r.l.	.LUX	NIA	T-C Europe S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4841993			T-C Neptune Holdings S. à r.l.	.LUX	NIA	T-C Luxembourg Neptune Holdings S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4843401			Neptune Property Venture S.à r.l.	.LUX	NIA	T-C Neptune Holdings S. à r.l.	Ownership	61.800	TIAA Board of Overseers	.N	
							Castel Guelfo I SRL	.ITA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4908364			Neptune Holding Spain, S.L.	.ESP	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4912709			Promcat Alternativa, S.L.	.ESP	NIA	Neptune Holding Spain, S.L.	Ownership	100.000	TIAA Board of Overseers	.N	
				5083651			Neptune Madrid Holdco S.L.	.ESP	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				5085691			Neptune Nassica Propco S.L.	.ESP	NIA	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Overseers	.N	
				5085703			Neptune Getafe Propco S.L.	.ESP	NIA	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Overseers	.N	
				5084920			Neptune Las Rozas Outlet S.L.	.ESP	NIA	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Overseers	.N	
				5084939			Neptune San Sebastian Outlet S.L.	.ESP	NIA	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Overseers	.N	
				4948687			Neptune OPC1 SAS	.FRA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4952648			Roppenheim Holding SAS	.FRA	NIA	Neptune OPC1 SAS	Ownership	100.000	TIAA Board of Overseers	.N	
				4901383			Roppenheim Outlet SNC	.FRA	NIA	Roppenheim Holding SAS	Ownership	99.990	TIAA Board of Overseers	.N	3200
				5195291			Neptune Polish HoldCo 2 B.V.	.NLD	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				5198779			Neptune Ursus SP. z.o.o.	.POL	NIA	Neptune Polish HoldCo 2 B.V.	Ownership	100.000	TIAA Board of Overseers	.N	
				4908373			Neptune Polish Property Venture BV	.NLD	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4912736			Neptune Krakow SP. z.o.o.	.POL	NIA	Neptune Polish Property Venture BV	Ownership	100.000	TIAA Board of Overseers	.N	
				4912745			Neptune Annapol SP. z.o.o.	.POL	NIA	Neptune Polish Property Venture BV	Ownership	100.000	TIAA Board of Overseers	.N	
				5083633			Neptune Poznan SP. z.o.o.	.POL	NIA	Neptune Polish Property Venture BV	Ownership	100.000	TIAA Board of Overseers	.N	
							Neptune Property Holding S.à r.l.	.LUX	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Neptune Amsterdam B.V.	.NLD	NIA	Neptune Property Holding S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Silesia Outlet sp. z o o	.POL	NIA	Neptune Property Holding S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4949095			Neptune Roppenheim Holding S.à r.l	.FRA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4901383			Roppenheim Outlet SNC	.FRA	NIA	Neptune Roppenheim Holding S.à r.l	Ownership	0.010	TIAA Board of Overseers	.N	3200
				5083642			Neptune Vicolungo I S.r.l.	.ITA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
										Teachers Insurance and Annuity Association of America	Ownership				
			45-2877772	4601786			T-C GA Real Estate Holdings, LLC	.DE	NIA	of America	Ownership	100.000	TIAA Board of Overseers	.N	
			46-0959792	4611936			8 Spruce Street GA Investor, LLC	.DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-1403221	4619567			FC 8 Spruce Holdings, LLC	.DE	NIA	8 Spruce Street GA Investor, LLC	Influence		TIAA Board of Overseers	.N	
				4511867			FC 8 Spruce Street Residential, LLC	.NY	NIA	FC 8 Spruce Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			84-2144204				2300 Broadway Storage Operator LLC	.DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			82-1419222	5194360			Nuveen Global Cities REIT, Inc.	.MD	NIA	T-C GA Real Estate Holdings, LLC	Ownership	78.940	TIAA Board of Overseers	.N	
			82-1502883	5198788			Nuveen Global Cities REIT LP, LLC	.DE	NIA	Nuveen Global Cities REIT, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
			82-1507998	5198797			Nuveen Global Cities REIT OP, LP	.DE	NIA	Nuveen Global Cities REIT, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
			82-3527067	5205060			NR 844 North LLC	.DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			84-3576911				NR 9725 Datapoint Drive LLC	.DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
							NR APCF Investor Ltd.	.CYM	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			82-5519657				NR Devoor Hills LLC	.DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			82-3539243		5205088		NR Denver Industrial Portfolio LLC	.DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			83-3651003				NR East Segó Lilly LLC	.DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
							NR ECF Investor Ltd.	.CYM	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			84-3175301				NR Globe Street Industrial LLC	.DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			83-1495411				NR Henderson 215 LLC	.DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			82-3556058		5205079		NR Kirkland Crossing LLC	.DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			83-1815798				NR Main Street at Kingwood LLC	.DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			82-5503093				NR Tacara at Steiner Ranch LLC	.DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	

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SCHEDULE Y
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			83-4299885				Nuveen Global Cities REIT Lending, LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-1535030	4750022			T-C 2 Herald Square Member LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1650509	4751711			T-C 2 Herald Square Venture LLC	DE	NIA	T-C 2 Herald Square Member LLC	Ownership	51.000	TIAA Board of Overseers	N	
			47-1488131	4753573	1629144		T-C 2 Herald Square Owner LLC	DE	NIA	T-C 2 Herald Square Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			27-2952349	4612045			T-C 1101 Pennsylvania Avenue LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			27-2952617	4651398			T-C 1101 Pennsylvania Avenue Venture LLC	DE	NIA	T-C 1101 Pennsylvania Avenue LLC	Ownership	51.000	TIAA Board of Overseers	N	
			27-2952860	4863472	1577584		T-C 1101 Pennsylvania Avenue Owner LLC	DE	NIA	T-C 1101 Pennsylvania Avenue Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1851206	4611954			T-C 33 Arch Street Member, LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1805501	4613985			T-C 33 Arch Street Venture, LLC	DE	NIA	T-C 33 Arch Street Member, LLC	Ownership	51.000	TIAA Board of Overseers	N	
			45-2792699	4617198	1577586		T-C 33 Arch Street, LLC	DE	NIA	T-C 33 Arch Street Venture, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1754709	4612018			T-C 470 Park Avenue South Member LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1744112	4613994			T-C 470 Park Avenue South Venture LLC	DE	NIA	T-C 470 Park Avenue South Member LLC	Ownership	51.000	TIAA Board of Overseers	N	
			46-1828055	4612036			T-C 475 Fifth Avenue Member, LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1839003	4614889			T-C 475 Fifth Avenue Venture LLC	DE	NIA	T-C 475 Fifth Avenue Member, LLC	Ownership	51.000	TIAA Board of Overseers	N	
			45-3229803	4617330	1577564		T-C 475 Fifth Avenue, LLC	DE	NIA	T-C 475 Fifth Avenue Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2189075	4763312			T-C 800 17th Street NW Member LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2118640	4763787			T-C 800 17th Street NW Venture LLC	DE	NIA	T-C 800 17th Street NW Member LLC	Ownership	50.100	TIAA Board of Overseers	N	
			47-2069910	4767730	1629146		T-C 800 17th Street NW Owner LLC	DE	NIA	T-C 800 17th Street NW Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-4665824	4904366			T-C 888 Brannan Member LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-4684031	4904955			T-C 888 Brannan Venture LLC	DE	NIA	T-C 888 Brannan Member LLC	Ownership	50.100	TIAA Board of Overseers	N	
			47-4674147	4908319			T-C 888 Brannan Owner LLC	DE	NIA	T-C 888 Brannan Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-5605380	4971845			T-C 888 Brannan TRS, LLC	DE	NIA	T-C 888 Brannan Owner LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-3479701	4612081			T-C 2300 Broadway, LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1220681	4612139			T-C Aspira LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1791581	4612054			T-C Franklin Square Member, LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1794486	4615569			T-C Franklin Square Venture LLC	DE	NIA	T-C Franklin Square Member, LLC	Ownership	51.000	TIAA Board of Overseers	N	
			26-0011770	4617611	1577581		TIAA Franklin Square, LLC	DE	NIA	T-C Franklin Square Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2023405	4763303			T-C Hall of States Member LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2043468	4763796			T-C Hall of States Venture LLC	DE	NIA	T-C Hall of States Member LLC	Ownership	50.100	TIAA Board of Overseers	N	
			47-2034237	4767749	1629145		T-C Hall of States Owner LLC	DE	NIA	T-C Hall of States Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-4045658	4612148			T-C Kings Crossing, LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1120016	4601973			T-C Legacy Place Member, LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-0876833	4628550			Legacy Place Associates, LLC	MA	NIA	T-C Legacy Place Member, LLC	Ownership	50.000	TIAA Board of Overseers	N	
							300 Legacy Place Boulevard LLC	DE	NIA	Legacy Place Associates, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Legacy Place Properties, LLC	MA	NIA	Legacy Place Associates, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2903922	4843326			T-C Republic Square Member LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2867784	4843979			T-C Republic Square Venture LLC	DE	NIA	T-C Republic Square Member LLC	Ownership	50.100	TIAA Board of Overseers	N	
			47-3033681	4844659			T-C Republic Square REIT LLC	DE	NIA	T-C Republic Square Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-3091198	4844798			T-C Republic Square Mezzanine LLC	DE	NIA	T-C Republic Square REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2793452	4847735			T-C Republic Square Owner LLC	DE	NIA	T-C Republic Square Mezzanine LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1379500	4749969			The Flats Holding Company LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1347366	4752503			The Flats 130 DC Residential LLC	DE	NIA	The Flats Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1363564	4752512			The Flats 140 DC Residential LLC	DE	NIA	The Flats Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1367530	4751766			The Flats DC Grocery LLC	DE	NIA	The Flats Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-4567368	4651473			T-C JK I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			4680316				Adeoti Empreendimentos Imobiliários Ltda	BRA	NIA	T-C JK I, LLC	Ownership	51.000	TIAA Board of Overseers	N	3300
			46-4587620	4651482			T-C JK II, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4680316			Adeoti Empreendimentos Imobiliários Ltda	BRA	NIA	T-C JK II, LLC	Ownership	49.000	TIAA Board of Overseers	N	3300
			47-4095803	4864022			T-C Lux Fund Holdings LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4896256			T-C Lux Investments Special Limited Partnership	LUX	NIA	T-C Lux Fund Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
							European Cities Partnership SCSp	LUX	NIA	T-C Lux Investments Special Limited Partnership	Influence		TIAA Board of Overseers	N	1200
				4894805			Global Real Estate Debt Partners Fund I (UK)	LUX	NIA	T-C Lux Investments Special Limited Partnership	Ownership	24.300	TIAA Board of Overseers	N	2100
			81-4583865	5137956			T-C MV Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-4599024	5147049			T-C M-T REIT LLC	DE	NIA	T-C MV Member LLC	Ownership	99.900	TIAA Board of Overseers	N	
							T-C MV Member II LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3224525				T-C M-T REIT II LLC	DE	NIA	T-C MV Member II LLC	Ownership	51.000	TIAA Board of Overseers	N	
							T-C Mt. Ommaney Centre Holding Company LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			47-1954609	4759605			T-C Mt. Ommaney Centre LLC	DE	NIA	T-C Mt. Ommaney Centre Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1828871	4749905			T-C Permian Investor LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			82-1023309	5117800			T-C SBMC Joint Venture LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			46-3007720	4599874			T-C SMA 2, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			36-4620008	4599128			PennMuni-TIAA U.S. Real Estate Fund, LLC	DE	NIA	T-C SMA 2, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-4619998	4634029			T-C The Edge at Flagler Village, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-2204918	4990976			T-C UK RE Holdings I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-2676934	5012370			T-C UK RE Holdings II, LLC	DE	NIA	T-C UK RE Holdings I, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-2691474	5014299			T-C UK RE Holdings III, LLC	DE	NIA	T-C UK RE Holdings II, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3299073	5018635			Thurrock Retail Park Unit Trust	JEY	NIA	T-C UK RE Holdings III, LLC	Ownership	99.500	TIAA Board of Overseers	N	3400
				5044586			Thurrock Retail Park Unit Trust	JEY	NIA	T-C UK RE Holdings II, LLC	Ownership	0.500	TIAA Board of Overseers	N	3400
							T-C U.S. Super Regional Mall Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
			47-3148337	4894869			T-C Waterford Blue Lagoon General Partner, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			47-5379777	4925512			Waterford Blue Lagoon LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	1.000	TIAA Board of Overseers	N	3500
			47-5392075	4927785			T-C Waterford Blue Lagoon, LLC	DE	NIA	T-C Waterford Blue Lagoon, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-5375805	4925503			Waterford Blue Lagoon LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	50.000	TIAA Board of Overseers	N	3500
			47-5392075	4927785			Westland At Waterford REIT General Partner LLC	DE	NIA	Waterford Blue Lagoon LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-0779817	4930226			Westland At Waterford REIT LP	DE	NIA	Waterford Blue Lagoon LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5321319	4930196			Westland At Waterford General Partner LLC	DE	NIA	Westland At Waterford REIT LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5635267	4933003			Westland At Waterford Operating LP	DE	NIA	Westland At Waterford REIT LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5580924	4932994			Waterford Blue Lagoon REIT General Partner LLC	DE	NIA	Waterford Blue Lagoon LP	Ownership	100.000	TIAA Board of Overseers	N	
				4930244			Waterford Blue Lagoon REIT LP	DE	NIA	Waterford Blue Lagoon LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5305678	4930208			5201-5301 Waterford General Partner LLC	DE	NIA	Waterford Blue Lagoon REIT LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5642524	4933067			5201-5301 Waterford Operating LP	DE	NIA	Waterford Blue Lagoon REIT LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5541032	4933012			5200 Waterford General Partner LLC	DE	NIA	Waterford Blue Lagoon REIT LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5672651	4933076			5200 Waterford Operating LP	DE	NIA	Waterford Blue Lagoon REIT LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5498897	4933021			1000 Waterford General Partner LLC	DE	NIA	Waterford Blue Lagoon REIT LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-0722154	4933085			1000 Waterford Operating LP	DE	NIA	Waterford Blue Lagoon REIT LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5479437	4933030			701-703 Waterford General Partner LLC	DE	NIA	Waterford Blue Lagoon REIT LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5445045	4933115			701-703 Waterford Operating LP	DE	NIA	Waterford Blue Lagoon REIT LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-5471474	4933049											

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Per-centage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			82-2631273 82-2646233	5165557 5165566			Waterford Core REIT General Partner LLC Waterford Core REIT LP Waterford Core 800 REIT General Partner LLC Waterford Core 800 REIT LP Waterford Core General Partner LLC Waterford Core Operating LP Waterford Core II Operating LP Waterford Core II General Partner LLC	.DE .DE .DE .DE .DE .DE .DE .DE	NIA NIA NIA NIA NIA NIA NIA NIA	Waterford Blue Lagoon LP Waterford Blue Lagoon LP Waterford Core REIT LP Waterford Core REIT LP Waterford Core 800 REIT LP Waterford Core 800 REIT LP Waterford Core REIT LP Waterford Core REIT LP	Ownership Ownership Ownership Ownership Ownership Ownership Ownership Ownership	100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	.N .N .N .N .N .N .N .N	
			84-3541603 81-0733012 47-5587163 82-2663579 82-2672297	4930217 4928661 5165548 5165539			Taiyo Hinata Fund, L.P. ....	.DE	NIA	Teachers Insurance and Annuity Association of America Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			81-2146865 98-1310748 98-1310748	5041688 5041660 5042658			TEFF Holdco LLC TIAA European Farmland Fund GP LP TIAA European Farmland Fund LP	.DE .CYM .CYM	NIA NIA NIA	TEFF Holdco LLC TEFF Holdco LLC TEFF Holdco LLC	Ownership Ownership Management	100.000 50.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	.N .N .N	400
				5043066 5044607			TEFF Holding S.a.r.l TEFF Investments B.V. Areal III Spolka z o.o. Hodowla Zwierząt Zarodowych Choczewo Spolka z o.o. Hodowla Zwierząt Zarodowych Wierzychucino Spolka z o.o. Hodowla Zwierząt Zarodowych Zarnowiec Spolka z o.o.	.LUX .NLD .POL .POL .POL .POL	NIA NIA NIA NIA NIA NIA	TIAA European Farmland Fund LP TEFF Holding S.a.r.l TEFF Investments B.V.	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	.N .N .N	
							Areal III SP. z o.o. ....	.POL	NIA	Areal III SP. z o.o.	Ownership	100.000	TIAA Board of Overseers	.N	
							Areal III SP. z o.o. ....	.POL	NIA	Areal III SP. z o.o.	Ownership	100.000	TIAA Board of Overseers	.N	
				5093856			Dangro Invest SA	.POL	NIA	Areal III SP. z o.o. TEFF Investments B.V.	Ownership Ownership	100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers	.N .N	
				5117408			AGRA Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5116456			AGAT Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5116447			AGRAMAX Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5116429			AGRIFARM Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117332			AGRO – DUBLINY SP. z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117341			AGROSERVICE Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117350			AMAL Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
							CISY Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117369			KOLNO Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117378			MILKOWO Sp. Z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117387			SEE-AGRO SP. z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117396			SATOPY Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5104556			Pszenrol SA	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117417			AGROLAND Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117426			AGROPOL Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117435			BUDUS Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117444			CIESZYSLAW SP z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117453			FARMEX Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117462			JASIONNO Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117640			ROLA Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117659			ROLPOL Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117668			ROLZBUD Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117695			SOBIERADZ Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117677			TELYN SP. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117686			TOKARY Sp. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117707			TURKUS SP. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117761			WALICHNOWY Sp. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117770			WEZINY SP. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117789			ZIEMROL Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5117798			LOZICE Sp. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
				5098486			Adamas SA	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5116586			AMBER SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5116522			JAROSLAWSKO I SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5116513			JAROSLAWSKO II SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5116492			OGARDY SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5116483			OPAL SP z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Overseers	.N	
				5116465			SZAFIR SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Overseers	.N	
							Gospodarstwo Okopy Sp. z o.o.	.POL	NIA	TEFF Investments B.V.	Ownership	100.000	TIAA Board of Overseers	.N	
							Agrohop Bielice Sp. z o.o.	.POL	NIA	Gospodarstwo Okopy Sp. z o.o.	Ownership	100.000	TIAA Board of Overseers	.N	
							Agrohop Service Sp. z o.o.	.POL	NIA	Agrohop Bielice Sp. z o.o.	Ownership	100.000	TIAA Board of Overseers	.N	
							Agrohop Sp. z o.o.	.POL	NIA	Agrohop Service Sp. z o.o.	Ownership	100.000	TIAA Board of Overseers	.N	
							Agrohop Bis Sp. z o.o.	.POL	NIA	Agrohop Sp. z o.o.	Ownership	100.000	TIAA Board of Overseers	.N	
							Cieszanowice Solar Park sp. z o.o.	.POL	NIA	Gospodarstwo Okopy Sp. z o.o.	Ownership	100.000	TIAA Board of Overseers	.N	
							Przedsiębiorstwo Rolne Okopy Sp. z o.o.	.POL	NIA	Gospodarstwo Okopy Sp. z o.o.	Ownership	100.000	TIAA Board of Overseers	.N	
			84-3332496				TGA 10th Street Business Park LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			82-1645257	5183412			TGA 127-137 Franklin LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			81-2769108	5012389			TGA 299 Franklin LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3988795	5049479			TGA 600 College Road LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			83-2548459				TGA 730 Third Avenue Owner LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			83-2957526				TGA 3401 North Ashton Blvd LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			82-4830474				TGA 3851 Grandpine Way LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			82-2225812				TGA APAC Fund Holdings, LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
							Asia Pacific Cities Fund, FCP	.LUX	NIA	TGA APAC Fund Holdings, LLC	Ownership	27.700	TIAA Board of Overseers	.N	3600
			82-2311300				TGA Real Estate Fund Holdings, LLC	.DE	NIA	TGA APAC Fund Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							Asia Pacific Cities Fund, FCP	.LUX	NIA	TGA Real Estate Fund Holdings, LLC	Ownership	27.700	TIAA Board of Overseers	.N	3600
			84-3830265				TGA Auburn Business Park LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			84-3285557				TGA Aurora DC III LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			84-3475931				TGA Baltimore IC LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			83-1851559				TGA Barnes Canyon Life Science LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			84-3303586				TGA Beckwith Farms LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			84-3314123				TGA Bedford Park LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			84-3441362				TGA Bridge Point LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			84-2939313				TGA Cactus DC I LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			84-2939493				TGA Cactus DC II LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			84-3523623				TGA Capital Beltway CC LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			84-3487859				TGA Center Square DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3314029				TGA Centerpointe LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			83-3799476				TGA Central Green LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-4376282				TGA Central Square Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-4890676				TGACSE Central Square Holdings LLC	DE	NIA	TGA Central Square Investor Member LLC	Ownership	95.000	TIAA Board of Overseers	N	
			84-4893448				TGACSE Central Square LLC	DE	NIA	TGACSE Central Square Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-4923976				TGACSE Midwood Corners LLC	DE	NIA	TGACSE Central Square Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-4893383				TGACSE Morningside LLC	DE	NIA	TGACSE Central Square Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-4924033				TGACSE Triangle LLC	DE	NIA	TGACSE Central Square Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-0780652				TGA Connections at Athens Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			61-1892161				PEP-TH Athens, LLC	DE	NIA	TGA Connections at Athens Investor Member LLC	Ownership	98.000	TIAA Board of Overseers	N	
			83-1011298				PEP Athens, LLC	DE	NIA	PEP-TH Athens, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			85-1065983				TGA Creekside Village Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							TGA East Coronado Industrial LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							TGA East Miraloma Industrial LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							TGA Emerald Corporate Park LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3502383				TGA Englewood DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			83-2810033				TGA European RE Holdings I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							Eagle GPCo S.à r.l.	LUX	NIA	TGA European RE Holdings I, LLC	Ownership	89.500	TIAA Board of Overseers	N	
							Eagle Partnership SCSp	LUX	NIA	TGA European RE Holdings I, LLC	Ownership	89.500	TIAA Board of Overseers	N	
							Eagle JVCo S.à r.l.	LUX	NIA	Eagle Partnership SCSp	Ownership	100.000	TIAA Board of Overseers	N	
							CB Kribeau Dzwei GmbH	AUT	NIA	Eagle JVCo S.à r.l.	Ownership	100.000	TIAA Board of Overseers	N	
							Viertel Zwei Entwiclung GmbH & Co	AUT	NIA	CB Kribeau Dzwei GmbH	Ownership	6.000	TIAA Board of Overseers	N	3700
							Studenthouse KG	LUX	NIA	Eagle JVCo S.à r.l.	Ownership	100.000	TIAA Board of Overseers	N	
							Eagle Austria Holdings S.à r.l.	AUT	NIA	Viertel Zwei Entwiclung GmbH & Co	Ownership	94.000	TIAA Board of Overseers	N	3700
							Studenthouse KG	PRT	NIA	Studenthouse KG	Ownership	100.000	TIAA Board of Overseers	N	
				5049497			TGA FC Investor Member LLC	DE	NIA	Eagle JVCo S.à r.l.	Ownership	100.000	TIAA Board of Overseers	N	
			82-2708488				Fenway Center Holding 1-2, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	50.000	TIAA Board of Overseers	N	
			82-2708488				Fenway Center Owner 1-2, LLC	DE	NIA	TGA FC Investor Member LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-3523773				TGA Franklin Square IC I LLC	DE	NIA	Fenway Center Holding 1-2, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-3523813				TGA Franklin Square IC II LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3332846				TGA Freeport DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							TGA Greenstone Logistics Center LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3463522				TGA Hagerstown DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			84-3475313				TGA Hollins End LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3523721				TGA I-95 DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-3602072	5040551			TGA Japan Holdings, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				5047710			TGA Japan Holdings Pte Ltd	SGP	NIA	TGA Japan Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				5048771			TGA Japan GK Holdings Pte Ltd	SGP	NIA	TGA Japan Holdings Pte Ltd	Ownership	100.000	TIAA Board of Overseers	N	
				5049929			TGA Ginza115 GK	JPN	NIA	TGA Japan GK Holdings Pte Ltd	Ownership	99.000	TIAA Board of Overseers	N	
				5049938			TGA Ginza115 TMK	JPN	NIA	TGA Japan GK Holdings Pte Ltd	Ownership	51.000	TIAA Board of Overseers	N	3800
				5048762			TGA Ginza 115 Holdings Pte Ltd	SGP	NIA	TGA Japan Holdings Pte Ltd	Ownership	100.000	TIAA Board of Overseers	N	
				5049938			TGA Ginza115 TMK	JPN	NIA	TGA Ginza 115 Holdings Pte Ltd	Ownership	49.000	TIAA Board of Overseers	N	3800
				5050064			TGA Ginza115 ISH	JPN	NIA	TGA Ginza 115 Holdings Pte Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			84-3718861				TGA JL Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-4376472				TGA JL II Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							661 Dulles Park CT P JV, LLC	DE	NIA	TGA JL II Investor Member LLC	Ownership	95.000	TIAA Board of Overseers	N	
							TGA JL Potomac Vista Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3523582				TGA Landover DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							TGA Maryland Farms Holdings LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Office Fund Maryland Farms Co-Invest	DE	NIA	TGA Maryland Farms Holdings LLC	Ownership	49.000	TIAA Board of Overseers	N	1000
			84-2765297				TGA MH Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			82-1169084				TGA MKP Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			82-1198745				TGA MKP Venture LLC	DE	NIA	TGA MKP Member LLC	Ownership	60.000	TIAA Board of Overseers	N	
			82-1187131				TGA MKP REIT LLC	DE	NIA	TGA MKP Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4232788	5075722			TGA Montague Investor Member, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				5093780			RCD TGA Pierrepont Partners LLC	DE	NIA	TGA Montague Investor Member, LLC	Ownership	51.600	TIAA Board of Overseers	N	
			81-3542251	5040542			TGA Montrose Residences Investor Member, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-2872565	5047635			The Residences at La Colombe d'Or Investors LLC	DE	NIA	TGA Montrose Residences Investor Member, LLC	Ownership	90.000	TIAA Board of Overseers	N	
			83-1916152				TGA MS Self Storage Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			83-2379583				Morningstar NRE Self Storage Portfolio LLC	DE	NIA	TGA MS Self Storage Investor Member LLC	Ownership	90.000	TIAA Board of Overseers	N	
							MSC Bentonville, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
							MSC Boerne, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
							MSC Buda, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
							MSC Carolinas, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
							MSC Dam Storage, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
							MSC Evans Rd, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
							MSC Greenhouse, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MSC Highway 521 Storage, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MSC Kemps Landing, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MSC Midtown Atlanta, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MSC MTP, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MSC Peachtree, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MSC South End, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MSC Spring Branch, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MSC SW Austin, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MSC Tallahassee, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MSC Yorktown, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
			83-4153778				TGA Near East LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			85-1291326				TGA Nex Investor LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
							TGA NJAHP Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
							NJAHP Preservation Associates JV LLC	DE	NIA	TGA NJAHP Investor Member LLC	Ownership.....	90.440	TIAA Board of Overseers	N	
							TGA NJAHP II Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
							HVPF NJ BX, LLC	DE	NIA	TGA NJAHP II Investor Member LLC	Ownership.....	90.000	TIAA Board of Overseers	N	
							TGA North Miller Industrial LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
							TGA North Orange Industrial LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			83-1934291				TGA Oak View Mall LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			84-4774106				TGA OHare Logistics Center IV LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			84-3254652				TGA Park 355 LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			84-3254103				TGA Park 55 LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			84-3254979				TGA Park 88 LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			83-3250233				TGA Pleasant Prairie Center LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			84-3285659				TGA Prairie Point LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
							TGA Renton Park 405 LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			83-2938932				TGA Sandy Commerce Park LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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			84-3487605				TGA Somerset IC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3476142				TGA Somerset IC II LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			83-2063402				TGA SP-MPC Housing Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			83-2147240				TGA-SP Housing Venture I LLC	DE	NIA	TGA SP-MPC Housing Investor Member LLC	Ownership	87.500	TIAA Board of Overseers	N	
			83-2123785				TGA SP-MPC Housing Venture I LLC	DE	NIA	TGA-SP Housing Venture I LLC	Ownership	97.000	TIAA Board of Overseers	N	
			83-1869400				MPSP Ashwood Homes LLC	DE	NIA	TGA SP-MPC Housing Venture I LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-1869494				MPSP Ashwood MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2331138				MPSP Beltline Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2345909				MPSP Beltline Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2216330				MPSP Beltline MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-1088601				MPSP Center Grove Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2290040				MPSP Center Grove Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-1076792				MPSP Center Grove MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2158715				MPSP Colinas South Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2158791				MPSP Colinas South Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2169896				MPSP Colinas South MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2169973				MPSP Estancia Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2277681				MPSP Estancia Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-1976109				MPSP Estancia MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-4260197				MPSP Fairlane Oaks Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-4283444				MPSP Fairlane Oaks Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-4241248				MPSP Fairlane Oaks MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2290488				MPSP Lakeview Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2319726				MPSP Lakeview Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2199063				MPSP Lakeview MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-1213262				MPSP Lemon Tree Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2548459				MPSP Lemon Tree MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-1230821				MPSP Mobile Gardens Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			83-1230714				MPSP Mobile Gardens MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2379528				MPSP Parker Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2389423				MPSP Parker Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2247177				MPSP Parker MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2277774				MPSP Seven Oaks Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2290439				MPSP Seven Oaks Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2198856				MPSP Seven Oaks MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2700633				MPSP Shiloh Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2725391				MPSP Shiloh Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2700544				MPSP Shiloh MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2428644				MPSP South Concho Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2436652				MPSP South Concho Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2261982				MPSP South Concho MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2736822				MPSP Stonegate Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2736936				MPSP Stonegate Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2725560				MPSP Stonegate MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2319873				MPSP TC GH Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2331064				MPSP TC GH Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2216156				MPSP TC GH MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2389479				MPSP TC Sherman Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2428588				MPSP TC Sherman Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2247220				MPSP TC Sherman MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2345969				MPSP Wildwood Acres Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2361787				MPSP Wildwood Acres Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2239609				MPSP Wildwood Acres MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2361842				MPSP Wildwood Village Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2379481				MPSP Wildwood Village Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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			84-2239646				MPSP Wildwood Village MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2848324				MPSP Windsong Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2848439				MPSP Windsong Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2861026				MPSP Windsong MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-3255382				TGA Sterling DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3093962				TGA The Warehouse At CH Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3055465				TGAP The Warehouse At CH Owner LLC	DE	NIA	TGA The Warehouse At CH Investor Member LLC	Ownership	98.500	TIAA Board of Overseers	N	
			84-3055701				TGAP The Warehouse At CH LLC	DE	NIA	TGAP The Warehouse At CH Owner LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Teachers Insurance and Annuity Association of America			Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3830895				TGA Van Dorens West LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3441798				TGA Vista Point South LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-3527380				TGA Washington DC CC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			84-2939589				TGA Westport Distribution Center LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			83-0723201				TGA Yorktown Trinity Groves LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-1994278	5018626			TGAM Agribusiness Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	99.700	TIAA Board of Overseers	N	
			82-2826183				TIAA Administrative Services LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4900500			TIAA CLO I Ltd	CYM	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
				5049965			TIAA CLO I LLC	DE	NIA	TIAA CLO I Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			84-1905731				TIAA CLO I Holding, LLC	DE	NIA	TIAA CLO I Ltd	Ownership	100.000	TIAA Board of Overseers	N	
							Teachers Insurance and Annuity Association of America			Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
							TIAA CLO II Ltd	CYM	NIA	TIAA CLO II Ltd	Ownership	100.000	TIAA Board of Overseers	N	
							TIAA CLO II LLC	DE	NIA	TIAA CLO II Ltd	Ownership	100.000	TIAA Board of Overseers	N	
			84-1921751				TIAA CLO II Holding, LLC	DE	NIA	TIAA CLO II Ltd	Ownership	100.000	TIAA Board of Overseers	N	
							Teachers Insurance and Annuity Association of America			Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
				5157860			TIAA CLO III Ltd.	CYM	NIA	TIAA CLO III Ltd.	Ownership	100.000	TIAA Board of Overseers	N	
							TIAA CLO III LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Management	100.000	TIAA Board of Overseers	N	
							TIAA CLO IV Ltd.	CYM	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
							Teachers Insurance and Annuity Association of America			Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
							TIAA CLO V Ltd	CYM	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
			13-4173396	4599203			TIAA CMBS I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			13-4173396	4602774			TIAA CMBS I Trust	DE	NIA	TIAA CMBS I, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-4570655	4900498			TIAA Diversified Public Investments, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			90-0615674	3838857	1502749		TIAA FSB Holdings, Inc.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	Y	
							Everbank Funding, LLC	DE	NIA	TIAA FSB Holdings, Inc.	Ownership	100.000	TIAA Board of Overseers	N	

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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			59-3531592	2735146			TIAA, FSB	US	NIA	TIAA FSB Holdings, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			59-3547521	4318057			AMC Holding, Inc.	FL	NIA	TIAA, FSB	Ownership	100.000	TIAA Board of Overseers	N	
			43-1823879	4318066			Customerone Financial Network, Inc.	DE	NIA	AMC Holding, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			36-1208070	4460817			Business Property Lending, Inc.	DE	NIA	TIAA, FSB	Ownership	100.000	TIAA Board of Overseers	N	
			11-3642567	4318178			Elite Lender Services, Inc.	FL	NIA	TIAA, FSB	Ownership	100.000	TIAA Board of Overseers	N	
			61-1560018	4318217	1436613		Tygris Commercial Financial Group, Inc.	DE	NIA	TIAA, FSB	Ownership	100.000	TIAA Board of Overseers	N	
			20-0716627	4318226			TIAA Commercial Finance, Inc.	DE	NIA	Tygris Commercial Financial Group, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			26-2483829	3867400			Tygris Asset Finance, Inc.	DE	NIA	Tygris Commercial Financial Group, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			81-1241294	4979391			TIAA GBS Holding LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				5003789			TIAA GBS Singapore Holding Company Pte. Ltd.	SGP	NIA	TIAA GBS Holding LLC	Ownership	100.000	TIAA Board of Overseers	N	
				5006838			TIAA Global Business Services (India) Private Limited	IND	NIA	TIAA GBS Singapore Holding Company Pte. Ltd.	Ownership	100.000	TIAA Board of Overseers	N	
			27-5551198	4599267			TIAA Global Ag Holdco LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			45-5044364	4627124			Global Agriculture AIV (US), LLC	DE	NIA	TIAA Global Ag Holdco LLC	Ownership	98.100	TIAA Board of Overseers	N	
			45-1531685	4643580			Global Ag Properties USA LLC	DE	NIA	Global Agriculture AIV (US), LLC	Management		TIAA Board of Overseers	N	
			80-0843991	4644877			Loma del Rio Vineyards, LLC	DE	NIA	Global Ag Properties USA LLC	Ownership	55.000	TIAA Board of Overseers	N	1900
			46-2577906	4643973			Sugarloaf Vineyard, LLC	DE	NIA	Global Ag Properties USA LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1083514	4753582			Global Agriculture II AIV (US) LLC	DE	NIA	TIAA Global Ag Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1069783	4755438			Global Ag Properties II USA LLC	DE	NIA	Global Agriculture II AIV (US) LLC	Ownership	50.000	TIAA Board of Overseers	N	
			27-5551341	4639994			TIAA-CREF Global Agriculture LLC	DE	NIA	TIAA Global Ag Holdco LLC	Management		TIAA Board of Overseers	N	
			4643357	4643357			Global AG Properties Australia Pty, Ltd	AUS	NIA	TIAA-CREF Global Agriculture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			4643571	4643571			Global AG Properties Australia Trust	AUS	NIA	TIAA-CREF Global Agriculture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			4643094	4643094			Nova Gaia Brasil Participaco Ltda.	BRA	NIA	TIAA-CREF Global Agriculture LLC	Ownership	99.990	TIAA Board of Overseers	N	3900
			4644493	4644493			Tellus Brasil Participaco S.A.	BRA	NIA	Nova Gaia Brasil Participaco Ltda.	Management		TIAA Board of Overseers	N	4000
			4644484	4644484			Terraviva Brasil Participaco Ltda.	BRA	NIA	Nova Gaia Brasil Participaco Ltda.	Ownership	99.990	TIAA Board of Overseers	N	4100
			4644493	4644493			Terraviva Brasil Participaco S.A.	BRA	NIA	Terraviva Brasil Participaco Ltda.	Management		TIAA Board of Overseers	N	4000
			4863490	4863490			Agrobio Investimentos e Participações S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			4646321	4646321			Cerpon Participações S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			4725758	4725758			Nova Ibiajara Propriedades Agrícolas S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			4653954	4653954			Tellus Bahia Propriedades Agrícolas Ltda.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			4653981	4653981			Jatobá Propriedades Agrícolas Ltda.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			4644505	4644505			Terra do Sol Propriedades Agrícolas S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			4644514	4644514			Terrainvest Propriedades Agrícolas S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			4646282	4646282			Tparone Participações S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			4646303	4646303			Toperone Agrícola S.A.	BRA	NIA	Tparone Participações S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			4646291	4646291			Tpartwo Participações S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			4646312	4646312			Topertwo Agrícola S.A.	BRA	NIA	Tpartwo Participações S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			45-1502187	4640011			TIAA-CREF Global Agriculture BR, LLC	DE	NIA	TIAA-CREF Global Agriculture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			4643094	4643094			Nova Gaia Brasil Participaco Ltda.	BRA	NIA	TIAA-CREF Global Agriculture BR, LLC	Ownership	0.010	TIAA Board of Overseers	N	3900
			4644484	4644484			Terraviva Brasil Participaco Ltda.	BRA	NIA	TIAA-CREF Global Agriculture BR, LLC	Ownership	0.010	TIAA Board of Overseers	N	4100
			47-0974399	4753591	1616610		TIAA-CREF Global Agriculture II LLC	DE	NIA	TIAA Global Ag Holdco LLC	Management		TIAA Board of Overseers	N	
			47-1062423	4755447			TIAA-CREF Global Agriculture II BR, LLC	DE	NIA	TIAA-CREF Global Agriculture II LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-2860100	4599276			TIAA Global Equity Income, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			26-3594208	4863502			TIAA Global Public Investments, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			46-3881813	4599892			TIAA GTR HoldCo, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			46-3210500	4724023			Global Timber Resources LLC	DE	NIA	TIAA GTR HoldCo, LLC	Ownership	50.000	TIAA Board of Overseers	N	
			46-3909387	4868431			Global Timber SA LLC	DE	NIA	Global Timber Resources LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-3899490	4801906			Global Timber International LLC	DE	NIA	Global Timber Resources LLC	Ownership	100.000	TIAA Board of Overseers	N	

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				4802789			Global Timber Spain, SL	.ESP	NIA	Global Timber International LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				4868440			Forestal GTR Chile Limitada	.CHL	NIA	Global Timber Spain, SL	Ownership	99.900	TIAA Board of Overseers	.N	
			98-1206384	4803151			Forestal Monterrey Colombia SAS	.COL	NIA	Global Timber Spain, SL	Ownership	85.480	TIAA Board of Overseers	.N	
				5165454			Global Timber Resources Colombia, S.A.S.	.COL	NIA	Global Timber Spain, SL	Ownership	100.000	TIAA Board of Overseers	.N	
				5183458			Monte Fresnos Asociacion Agraria de Responsabilidad LTDA	.URY	NIA	Global Timber Spain, SL	Ownership	100.000	TIAA Board of Overseers	.N	
				5183421			Monte Fresnos, S.A.	.URY	NIA	Global Timber Spain, SL	Ownership	100.000	TIAA Board of Overseers	.N	
				5183430			Taurion Asociacion Agraria de Responsabilidad LTDA	.URY	NIA	Global Timber Spain, SL	Ownership	100.000	TIAA Board of Overseers	.N	
				5183449			Taurion, S.A.	.URY	NIA	Global Timber Spain, SL	Ownership	100.000	TIAA Board of Overseers	.N	
				4866905			GT Europe Cooperatief U.A.	.NLD	NIA	Global Timber International LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				4900425			Global Timber NL, B.V.	.NLD	NIA	GT Europe Cooperatief U.A.	Ownership	100.000	TIAA Board of Overseers	.N	
				4901543			GTR Brasil Participacoes Ltda	.BRA	NIA	Global Timber NL, B.V.	Ownership	99.000	TIAA Board of Overseers	.N	
				4902380			Brasilwood Reflorestamento S.A.	.BRA	NIA	GTR Brasil Participacoes Ltda	Ownership	75.000	TIAA Board of Overseers	.N	
							Brasilwood Terras Florestais S.A.	.BRA	NIA	GTR Brasil Participacoes Ltda	Ownership	97.000	TIAA Board of Overseers	.N	
							Khaya Woods Investimentos Florestais LTDA	.BRA	NIA	GTR Brasil Participacoes Ltda	Influence		TIAA Board of Overseers	.N	
				5198809			Manoneira Agropastoril S.A.	.BRA	NIA	GTR Brasil Participacoes Ltda	Influence		TIAA Board of Overseers	.N	
				5198818			Jatoba Brasil Investimentos Florestais Ltda	.BRA	NIA	GTR Brasil Participacoes Ltda	Ownership	100.000	TIAA Board of Overseers	.N	
							Paineira Investimentos Florestais S.A.	.BRA	NIA	GTR Brasil Participacoes Ltda	Ownership	97.000	TIAA Board of Overseers	.N	
							IPOPEMA 95 Closed Investment Fund of Non-Public Assets	.POL	NIA	Global Timber NL, B.V.	Ownership	100.000	TIAA Board of Overseers	.N	
				4868422			EKO Topola Sp. z.o.o.	.POL	NIA	IPOPEMA 95 Closed Investment Fund of Non-Public Assets	Ownership	100.000	TIAA Board of Overseers	.N	
				4802800			Brusno Resort Sp. z.o.o.	.POL	NIA	IPOPEMA 95 Closed Investment Fund of Non-Public Assets	Ownership	100.000	TIAA Board of Overseers	.N	
			45-3479281	4599306			TIAA Infrastructure Investments, LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			81-5307354	51539833			730 Parking LLC	.DE	NIA	TIAA Infrastructure Investments, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-5302296	5157879			730 Interpark, LLC	.DE	NIA	730 Parking LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							A-30 Canadian Transport Inc.	.CAN	NIA	TIAA Infrastructure Investments, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							1867 Infrastructure Holdings Inc.	.CAN	NIA	A-30 Canadian Transport Inc.	Ownership	51.000	TIAA Board of Overseers	.N	
							ACS NA30 Holding Inc.	.CAN	NIA	1867 Infrastructure Holdings Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
							Nouvelle Autoroute 30, s.e.n.c.	.CAN	NIA	Iridium Nouvelle Autoroute 30 Inc.	Ownership	50.000	TIAA Board of Overseers	.N	
			38-3857916	4602813			I 595 Toll Road, LLC	.DE	NIA	TIAA Infrastructure Investments, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-5279686	4810775			North American Sustainable Energy Fund, L.P.	.DE	NIA	TIAA Infrastructure Investments, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				4895660			McCommas Bluff Holdings LLC	.DE	NIA	North American Sustainable Energy Fund, L.P.	Influence		TIAA Board of Overseers	.N	
				4896331			Dallas Clean Energy, LLC	.DE	NIA	McCommas Bluff Holdings LLC	Ownership	51.000	TIAA Board of Overseers	.N	
				4900407			Dallas Clean Energy McCommas Bluff, LLC	.DE	NIA	Dallas Clean Energy, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				4946852			Energy Power Investment Company, LLC	.DE	NIA	North American Sustainable Energy Fund, L.P.	Ownership	90.500	TIAA Board of Overseers	.N	
				4947318			EPP Renewable Energy, LLC	.DE	NIA	Energy Power Investment Company, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							EPP New Jersey Biogas, LLC	.DE	NIA	EPP Renewable Energy, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							EPP New Jersey Solar, LLC	.DE	NIA	EPP Renewable Energy, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							North American Sustainable Energy Fund GP, LLC	.DE	NIA	TIAA Infrastructure Investments, LLC	Ownership	99.900	TIAA Board of Overseers	.N	
							North American Sustainable Energy Manager, LLC	.DE	NIA	TIAA Infrastructure Investments, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			45-2665869	4601115			TIAA Oil and Gas Investments, LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			45-1286237	4602877			Actgas, LLC	.DE	NIA	TIAA Oil and Gas Investments, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-3410649	4602925			Actoil Bakken, LLC	.DE	NIA	TIAA Oil and Gas Investments, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-3628993	4602934			Actoil Utica, LLC	.DE	NIA	TIAA Oil and Gas Investments, LLC	Ownership	100.000	TIAA Board of Overseers	.N	

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			11-3519531 81-0902394 47-2249307 46-2678242 81-3961919	4601133 4949125 4763161 4611721 5047626			TIAA Realty, LLC T-C 77 Central LLC T-C 680 Belleville LLC T-C Port Northwest Development, LLC TGA 70 Federal Street LLC	DE DE DE DE DE	NIA NIA NIA NIA NIA	Teachers Insurance and Annuity Association of America TIAA Realty, LLC TIAA Realty, LLC TIAA Realty, LLC TIAA Realty, LLC	Ownership Ownership Ownership Ownership Ownership	100.000 100.000 100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N N N	
			82-2885306 82-2335773 20-2904312		4314479		TIAA RFS, LLC TIAA Advisory, LLC TIAA-CREF Insurance Agency, LLC	DE DE DE	NIA NIA NIA	Teachers Insurance and Annuity Association of America TIAA RFS, LLC TIAA RFS, LLC	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N	
			81-2755014	5011346			TIAA SMA Strategies, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			45-3029655	4601197			TIAA-Stonepeak Investments I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			45-3030923	4601245			TIAA-Stonepeak Investments II, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			45-3164600 45-3164764 46-4623585 46-4653326 46-4680948	4601348 4644055 4801821 4801830 4801849		1614181	TIAA Super Regional Mall Member Sub, LLC T-C Super Regional Mall Venture, LLC T-C International Plaza REIT LLC T-C International Plaza Investor GP LLC T-C International Plaza Investor LP LLC	DE DE DE DE DE	NIA NIA NIA NIA NIA	Teachers Insurance and Annuity Association of America TIAA Super Regional Mall Member Sub, LLC T-C Super Regional Mall Venture, LLC T-C International Plaza REIT LLC T-C International Plaza REIT LLC	Ownership Ownership Ownership Ownership Ownership	100.000 51.000 100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N N N	
			38-3173536 46-2713521 46-2726147	2884259 4604116 4612979		1595474	Tampa Westshore Associates Limited Partnership T-C Las Vegas Retail REIT LLC T-C Las Vegas Retail Investor LLC	DE DE DE	NIA NIA NIA	T-C International Plaza Investor LP LLC T-C Super Regional Mall Venture, LLC T-C Las Vegas Retail REIT LLC	Influence Ownership Ownership	 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N	
			4615617 45-3165203 45-2211957	4615617 4644064 4644073		1544129	Grand Canal Shoppes Holdings, LLC T-C Midwest REIT, LLC T-C Midwest Retail, LLC	DE DE DE	NIA NIA NIA	T-C Las Vegas Retail Investor LLC T-C Super Regional Mall Venture, LLC T-C Midwest REIT, LLC	Influence Ownership Ownership	 99.800 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N	
			4644288 45-3164998 27-4117159 95-4658637	4644288 4644082 4644091 4644886		1544127	CBL/T-C, LLC T-C Montgomery Mall REIT, LLC T-C Montgomery Mall, LLC Montgomery Mall of Maryland, LLC	DE DE DE MD	NIA NIA NIA NIA	T-C Midwest Retail, LLC T-C Super Regional Mall Venture, LLC T-C Montgomery Mall REIT, LLC T-C Montgomery Mall, LLC	Ownership Ownership Ownership Ownership	50.000 99.800 100.000 50.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N N	
			45-1286386 13-1624203	4601526 4741758			TIAA SynGas, LLC 730 Catsolar, LLC	DE DE	NIA NIA	Teachers Insurance and Annuity Association of America TIAA SynGas, LLC	Ownership Ownership	100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers	N N	
			4747835 4749866	4747835 4749866			Catalina Solar Lessee Holdco, LLC Catalina Solar Lessee, LLC	CA CA	NIA NIA	730 Catsolar, LLC Catalina Solar Lessee Holdco, LLC	Ownership Ownership	50.000 100.000	TIAA Board of Overseers TIAA Board of Overseers	N N	
			56-2492641 27-0195010	4643900 4626088			SG Solutions, LLC AE Investor II, LLC	DE DE	NIA NIA	TIAA SynGas, LLC TIAA SynGas, LLC	Influence Ownership	 57.000	TIAA Board of Overseers TIAA Board of Overseers	N N	
			45-4486211 45-3743502	4602886 4626136			TIAA Wind Investments, LLC Capistrano Wind Partners, LLC	DE DE	NIA NIA	Teachers Insurance and Annuity Association of America TIAA Wind Investments, LLC	Ownership Influence	100.000	TIAA Board of Overseers TIAA Board of Overseers	N N	
			20-8384004 26-3561391 46-1191235	4599490 4863539 5018671			TIAA-CREF LPHC, LLC TCAM DOF GP, LLC TIAA-CREF Real Property Fund GP, LLC	DE DE DE	NIA NIA NIA	Teachers Insurance and Annuity Association of America TIAA-CREF LPHC, LLC TCAM DOF GP, LLC	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N	
			55-0856733	4314349	882928		TIAA-CREF Individual & Institutional Services, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			20-5591124	4314273			TIAA-CREF Redwood, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			20-5631854	4314282			TIAA Endowment & Philanthropic Services, LLC	DE	NIA	TIAA-CREF Redwood, LLC	Ownership	100.000	TIAA Board of Overseers	N	

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			35-2429521	4612858			CCAP GP, LLC	DE	NIA	TIAA Endowment & Philanthropic Servives, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			13-4026557	4314116	1627236		TIAA-CREF Tuition Financing, Inc.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			20-8892977	4599810			TIAA Union Place Phase I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			20-8281443	4640066			Union Place Phase I, LLC	DE	NIA	TIAA Union Place Phase I, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							TPG Public Equity Partners Long Opportunities-A, L.P.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							Tybourne Long Opportunities (US) Fund	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4844163			UK PPP Investments, LP	GBR	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4848590			Wigg (Holdings) Limited	GBR	NIA	UK PPP Investments, LP	Ownership	100.000	TIAA Board of Overseers	N	
				4848983			Wigg Investments Limited	GBR	NIA	Wigg (Holdings) Limited	Ownership	100.000	TIAA Board of Overseers	N	
				4849739			Merseylink (Holdings) Limited	GBR	NIA	Wigg Investments Limited	Influence		TIAA Board of Overseers	N	
				4852298			Merseylink (Finance) Limited	GBR	NIA	Merseylink (Holdings) Limited	Ownership	100.000	TIAA Board of Overseers	N	
				4860239			Merseylink Limited	GBR	NIA	Merseylink (Finance) Limited	Ownership	100.000	TIAA Board of Overseers	N	
				4858638			Merseylink (Issuer) plc	GBR	NIA	Merseylink (Finance) Limited	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Industrial Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
			82-3970010				U.S. Cities Retail Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			82-4016503				U.S. Cities Retail Fund REIT LLC	DE	NIA	U.S. Cities Retail Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
			82-4069923				U.S. Cities Retail Fund Operating GP LLC	DE	NIA	U.S. Cities Retail Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-4037905				U.S. Cities Retail Fund Operating LP	DE	NIA	U.S. Cities Retail Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-0750331	4612111			T-C 919 N. Michigan Avenue Retail, LLC	DE	NIA	U.S. Cities Retail Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
							USCRF KRG JV Investor Member LLC	DE	NIA	U.S. Cities Retail Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
							KRG USCRF Retail Portfolio LLC	DE	NIA	USCRF KRG JV Investor Member LLC	Ownership	100.000	TIAA Board of Overseers	N	
							KRG 951 & 41, LLC	DE	NIA	KRG USCRF Retail Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
							KRG Livingston Center, LLC	DE	NIA	KRG USCRF Retail Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
							KRG-USCRF Plaza Volente, LLC	DE	NIA	KRG USCRF Retail Portfolio LLC	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Core-Plus Real Estate Debt Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	N	
			82-3988257				CRED REIT LLC	DE	NIA	U.S. Core-Plus Real Estate Debt Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
			82-3760575				CRED REIT Holdco LLC	DE	NIA	CRED REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1938723				CRED Glenhardie LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-2113010				CRED HQ LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			85-1296109				CRED REIT Holdco Seller LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2024014				CRED REIT Holdco TRS LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-1392434				CRED REIT Manager LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-4800804				CRED REIT Member LP	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-5347019				CRED Sawtelle LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2267896				CRED Slabtown LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-3184068				CRED West Coast Industrial LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-4107560				Western A Midwest JR Mezz, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							Western A Midwest Mezz, LLC	DE	NIA	Western A Midwest JR Mezz, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			84-3440905				Western A Midwest TN, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							Western A South JR Mezz LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							Western A South Mezz LLC	DE	NIA	Western A South JR Mezz LLC	Ownership	100.000	TIAA Board of Overseers	N	

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SCHEDULE Y
PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Rela-tion-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*

Asterisk	Explanation
0100	AGR Services LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by AGR Partners LLC and 1% owned by Nuveen Alternative Holdings, LLC.
0200	Greenwood Resources Brasil, Ltda. is ultimately controlled and owned entirely by TIAA, with 99% owned by Greenwood Resources Forest Management, LLC and 1% owned by GreenWood Resources, Inc.
0300	CAM HR Resources LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by Churchill Asset Management LLC and 1% owned by Nuveen Alternative Holdings, LLC.
0400	TIAA European Farmland Fund GP LP is ultimately controlled and owned entirely by TIAA, with 50% owned by Nuveen Alternative Services, LLC and 50% owned by TEFF Holdco LLC
0500	TGAM APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
0600	TGAM HK HC LLC is ultimately controlled and owned entirely by TIAA, with TGAM APAC LLC, TGAM Asia LLC, TIAA International APAC LLC and TIAA International Asia LLC each owning 25%
0700	TGAM Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
0800	TIAA International APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
0900	TIAA International Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
1000	U.S. Cities Office Fund Maryland Farms Co-Invest is ultimately controlled and owned entirely by TIAA, with 51% owned by USCOF Maryland Farms Holdings LLC and 49% owned by TGA Maryland Farms Holdings LLC.
1100	Nuveen Real Estate Limited is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA International Holdings 3, Ltd. and 1% owned by TIAA International Holdings 1, Ltd.
1200	European Cities Partnership SCSp is owned 29.8% by T-C Lux Investments Special Limited Partnership and 1% by European Cities Partnership (GP) S.à.r.l.
1300	Global Real Estate Debt Partners Fund II (UK) SCSp is ultimately controlled by TIAA, with 18.75% owned by TIAA and 0.5% owned by Nuveen Real Estate Debt Partners II (GP) S.à.r.l.
1400	Westchester Group SRL is controlled and owned entirely by TIAA, with 99% owned by Westchester Group of Europe Ltd. and 1% owned by Westchester Group of Poland Sp. Z.o.o.
1500	Westchester Group South America Gestao de Investimentos Ltda. is controlled and owned entirely by TIAA, with 99% owned by Westchester Group Investment Management, Inc. and 1% owned by Westchester Group Real Estate, Inc.
1600	Symphony Asset Management, LLC is ultimately controlled and owned entirely by TIAA, with 51% owned by Nuveen Investments, Inc. and 49% owned by Nuveen Investments Holdings, Inc.
1700	730 Texas Timberlands II, Ltd. is ultimately controlled and owned entirely by TIAA, which directly owns 99.5%. 730 Texas Forest Holdings, Inc., which is owned 100% by TIAA, owns .5%.
1800	730 Texas Timberlands, Ltd. is ultimately controlled and owned entirely by TIAA, with 99.5% owned by TIAA Timberlands I, LLC and .5% owned by 730 Texas Forest Holdings, Inc.
1900	Loma del Rio Vineyards, LLC is ultimately controlled and owned entirely by TIAA, with 45% owned by Premiere Agricultural Properties, LLC and 55% owned by Global Ag Properties USA, LLC.
2000	1608 Chestnut Partners LP is ultimately controlled and owned entirely by TIAA, with 99% owned by T-C 1608 Chestnut Limited Partner LLC and 1% owned by T-C 1608 Chestnut General Partner LLC.
2100	Global Real Estate Debt Partners Fund I (UK) is controlled by TIAA, which owns 36.3%. T-C Lux Investments Special Limited Partnership, which is 100% owned by TIAA, owns 24.3%.
2200	Radar Propriedades Agricolas S.A. is owned 65.77% by Mansilla Participacoes LTDA and 15.31% by Radar II Propriedades Agricolas S.A.
2300	Cityhold Nymphe S.à r.l. (Nymphe) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.à r.l., which owns 88% of Nymphe, and 3% owned by wholly-owned ND Europe Office Holding S.à r.l.
2400	Cityhold Euro S.à r.l. (CES) is owned by TIAA via a 25% ownership of Cityhold Propco 9 S.à r.l., which owns 88% of CES, and 3% owned by wholly-owned ND Europe Office Holding S.à r.l.
2500	SNC Roosevelt is owned by TIAA via a 25% ownership of Cityhold Propco 9 S.à r.l., which owns SAS Roosevelt (99.99% of SNC Roosevelt) and Roosevelt Participation S.à r.l. (0.01%).
2600	London Belgrave Unit Trust (LBUT) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.à r.l., which owns Cityhold UK Holding S.à r.l. (99.8% of LBUT) and Cityhold UK Investment S.à r.l. (0.2%).
2700	New Fetter Lane Unit Trust (NFLUT) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.à r.l., which owns Cityhold UK Holding S.à r.l. (99.9% of NFLUT) and Cityhold UK Investment S.à r.l. (0.1%).
2800	60 Great Portland Street Unit Trust (60GPS) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.à r.l., which owns Cityhold UK Holding S.à r.l. (99.4% of 60GPS) and Cityhold UK Investment S.à r.l. (0.6%).
2900	70 St. Mary Axe Unit Trust (SMAUT) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.à r.l., which owns SMA Holding S.à r.l. (99.9% of SMAUT) and Cityhold UK Investment S.à r.l. (0.1%).
3000	Gropius Passagen GmbH & Co KG is controlled by TIAA, and partially owned by Gropius S.à r.l., which owns 99.8% and TIAA Lux 11 S.à.r.l. which owns 0.16%.
3100	T-C Europe LP is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA and 1% owned by T-C Europe Holding, Inc.
3200	Roppenheim Outlet SNC (ROSNC) is ultimately controlled by TIAA via a 61.8% ownership of Neptune Property Venture S.à r.l., which owns Roppenheim Holding SAS (99.99% of ROSNC) Neptune Roppenheim Holding S.à r.l. (0.01%).
3300	Adeoti Empreendimentos Imobiliários Ltda is ultimately controlled and owned entirely by TIAA, with 51% of ownership with T-C JK I, LLC and 49% of ownership with T-C JK II, LLC
3400	Thurrock Retail Park Unit Trust is ultimately controlled and owned entirely by TIAA with 99.5% owned by T-C UK RE Holdings III, LLC and 0.5% owned by T-C UK RE Holdings II, LLC.
3500	Waterford Blue Lagoon LP is controlled by TIAA, and partially owned indirectly by T-C Waterford Blue Lagoon LLC, which owns 50%, and T-C Waterford Blue Lagoon General Partner, LLC, which owns 1%.
3600	Asia Pacific Cities Fund, FCP is owned 27.7% by TGA APAC Fund Holdings, LLC and 27.7% by TGA Real Estate Fund Holdings, LLC
3700	Viertel Zwei Entwicklung GmbH & Co Studenthouse KG is controlled by TIAA, and partially owned indirectly by Eagle Austria Holdings S.à r.l., which owns 94%, and CB Krieau Dzwei GmbH, which owns 6%.
3800	TGA Ginza115 TMK is ultimately controlled and owned entirely by TIAA, with 51% owned by TGA Japan GK Holdings Pte Ltd and 49% of owned by TGA Ginza 115 Holdings Pte Ltd.
3900	Nova Gaia Brasil Participaco Ltda. is owned 99.99% by TIAA-CREF Global Agriculture LLC and 0.01% by TIAA-CREF Global Agriculture BR, LLC.
4000	Tellus Brasil Participaco S.A. is owned 48.9% by Terraviva Brasil Participaco Ltda. and 0.47% by Nova Gaia Brasil Participaco Ltda.
4100	Terraviva Brasil Participaco Ltda. is owned 99.99% by Nova Gaia Brasil Participaco Ltda. and 0.01% by TIAA-CREF Global Agriculture BR, LLC.

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

The following supplemental reports are required to be filed as part of your statement filing. However, in the event that your company does not transact the type of business for which the special report must be filed, your response of NO to the specific interrogatory will be accepted in lieu of filing a "NONE" report and a bar code will be printed below. If the supplement is required of your company but is not being filed for whatever reason enter SEE EXPLANATION and provide an explanation following the interrogatory questions.

	Response
1. Will the Trusteed Surplus Statement be filed with the state of domicile and the NAIC with this statement?	SEE EXPLANATION
2. Will the Medicare Part D Coverage Supplement be filed with the state of domicile and the NAIC with this statement?	NO
3. Will the Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV be filed with the state of domicile and electronically with the NAIC?	NO
4. Will the Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXV be filed with the state of domicile and electronically with the NAIC?	NO
5. Will the Reasonableness of Assumptions Certification for Implied Guaranteed Rate Method required by Actuarial Guideline XXXVI be filed with the state of domicile and electronically with the NAIC?	NO
6. Will the Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Average Market Value) be filed with the state of domicile and electronically with the NAIC?	NO
7. Will the Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) be filed with the state of domicile and electronically with the NAIC?	NO
8. Will the Life PBR Statement of Exemption be filed with the state of domicile by July 1st and electronically with the NAIC with the second quarterly filing per the Valuation Manual (by August 15)? (2nd Quarter Only) The response for 1st and 3rd quarters should be N/A. A NO response resulting with a bar code is only appropriate in the 2nd quarter.	NO

Explanation:

1.

The company is not a U.S. branch of a Non-U.S. insurer.
2.
3.
4.
5.
6.
7.
8.

Bar Code:

2.

Medicare Part D Coverage Supplement [Document Identifier 365]
3.

Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 445]
4.

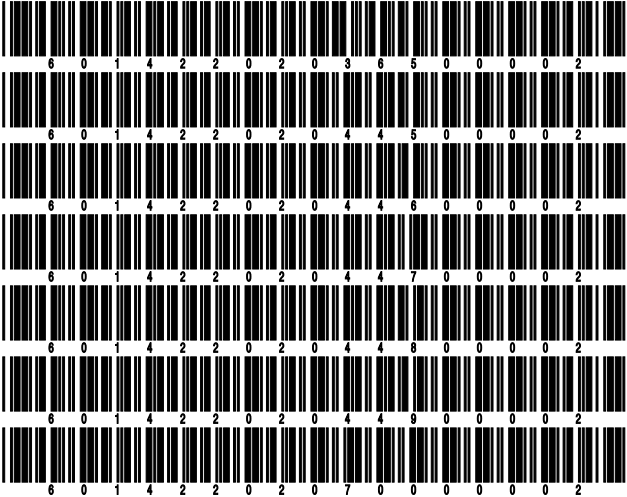
Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 446]
5.

Reasonableness of Assumptions Certification for Implied Guaranteed Rate Method required by Actuarial Guideline XXXVI [Document Identifier 447]
6.

Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI [Document Identifier 448]
7.

Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) [Document Identifier 449]
8.

Life PBR Statement of Exemption (2nd Quarter Only) [Document Identifier 700]



NONE

SCHEDULE A - VERIFICATION

Real Estate

	1	2
	Year to Date	Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year		
2. Cost of acquired:		
2.1 Actual cost at time of acquisition		
2.2 Additional investment made after acquisition		
3. Current year change in encumbrances		
4. Total gain (loss) on disposals		
5. Deduct amounts received on disposals		
6. Total foreign exchange change in book/adjusted carrying value		
7. Deduct current year's other than temporary impairment recognized		
8. Deduct current year's depreciation		
9. Book/adjusted carrying value at the end of current period (Lines 1+2+3+4-5+6-7-8)		
10. Deduct total nonadmitted amounts		
11. Statement value at end of current period (Line 9 minus Line 10)		

SCHEDULE B - VERIFICATION

Mortgage Loans

	1	2
	Year to Date	Prior Year Ended December 31
1. Book value/recorded investment excluding accrued interest, December 31 of prior year		
2. Cost of acquired:		
2.1 Actual cost at time of acquisition		
2.2 Additional investment made after acquisition		
3. Capitalized deferred interest and other		
4. Accrual of discount		
5. Unrealized valuation increase (decrease)		
6. Total gain (loss) on disposals		
7. Deduct amounts received on disposals		
8. Deduct amortization of premium and mortgage interest paid and commitment fees		
9. Total foreign exchange change in book value/recorded investment excluding accrued interest		
10. Deduct current year's other than temporary impairment recognized		
11. Book value/recorded investment excluding accrued interest at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)		
12. Total valuation allowance		
13. Subtotal (Line 11 plus Line 12)		
14. Deduct total nonadmitted amounts		
15. Statement value at end of current period (Line 13 minus Line 14)		

SCHEDULE BA - VERIFICATION

Other Long-Term Invested Assets

	1	2
	Year to Date	Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year	4,687,634	4,707,025
2. Cost of acquired:		
2.1 Actual cost at time of acquisition		
2.2 Additional investment made after acquisition		
3. Capitalized deferred interest and other		
4. Accrual of discount	639	1,209
5. Unrealized valuation increase (decrease)		
6. Total gain (loss) on disposals		
7. Deduct amounts received on disposals		
8. Deduct amortization of premium and depreciation	10,771	20,600
9. Total foreign exchange change in book/adjusted carrying value		
10. Deduct current year's other than temporary impairment recognized		
11. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	4,677,503	4,687,634
12. Deduct total nonadmitted amounts		
13. Statement value at end of current period (Line 11 minus Line 12)	4,677,503	4,687,634

SCHEDULE D - VERIFICATION

Bonds and Stocks

	1	2
	Year to Date	Prior Year Ended December 31
1. Book/adjusted carrying value of bonds and stocks, December 31 of prior year	8,666,315,772	7,913,354,524
2. Cost of bonds and stocks acquired	2,551,428,733	1,777,079,107
3. Accrual of discount	2,105,013	4,906,842
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	7,523,464	9,197,429
6. Deduct consideration for bonds and stocks disposed of	504,606,821	1,023,721,271
7. Deduct amortization of premium	4,183,706	6,555,189
8. Total foreign exchange change in book/adjusted carrying value		
9. Deduct current year's other than temporary impairment recognized	870,000	9,476,580
10. Total investment income recognized as a result of prepayment penalties and/or acceleration fees	718,138	1,530,910
11. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9+10)	10,718,430,593	8,666,315,772
12. Deduct total nonadmitted amounts		
13. Statement value at end of current period (Line 11 minus Line 12)	10,718,430,593	8,666,315,772

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE D - PART 1B

Showing the Acquisitions, Dispositions and Non-Trading Activity
During the Current Quarter for all Bonds and Preferred Stock by NAIC Designation

NAIC Designation	1 Book/Adjusted Carrying Value Beginning of Current Quarter	2 Acquisitions During Current Quarter	3 Dispositions During Current Quarter	4 Non-Trading Activity During Current Quarter	5 Book/Adjusted Carrying Value End of First Quarter	6 Book/Adjusted Carrying Value End of Second Quarter	7 Book/Adjusted Carrying Value End of Third Quarter	8 Book/Adjusted Carrying Value December 31 Prior Year
BONDS								
1. NAIC 1 (a)	6,187,688,401	2,065,325,315	1,139,840,933	(43,837,515)	6,187,688,401	7,069,335,268		5,654,274,607
2. NAIC 2 (a)	3,530,151,148	414,475,169	146,499,919	10,553,669	3,530,151,148	3,808,680,067		3,240,674,859
3. NAIC 3 (a)	55,529,641	6,862,900	6,495,446	31,896,270	55,529,641	87,793,365		10,636,934
4. NAIC 4 (a)		47,507,600				47,507,600		
5. NAIC 5 (a)	1,845,305		322,631	(651,372)	1,845,305	871,302		14,091,561
6. NAIC 6 (a)		10,000,000		655,157		10,655,157		
7. Total Bonds	9,775,214,495	2,544,170,984	1,293,158,929	(1,383,791)	9,775,214,495	11,024,842,759		8,919,677,961
PREFERRED STOCK								
8. NAIC 1								
9. NAIC 2								
10. NAIC 3								
11. NAIC 4								
12. NAIC 5								
13. NAIC 6	182,882				182,882	182,882		182,882
14. Total Preferred Stock	182,882				182,882	182,882		182,882
15. Total Bonds and Preferred Stock	9,775,397,377	2,544,170,984	1,293,158,929	(1,383,791)	9,775,397,377	11,025,025,641		8,919,860,843

(a) Book/Adjusted Carrying Value column for the end of the current reporting period includes the following amount of short-term and cash equivalent bonds by NAIC designation:
NAIC 1 \$ 303,785,480 ; NAIC 2 \$ 2,809,582 ; NAIC 3 \$; NAIC 4 \$; NAIC 5 \$; NAIC 6 \$

SCHEDULE DA - PART 1

Short-Term Investments

	1	2	3	4	5
	Book/Adjusted Carrying Value	Par Value	Actual Cost	Interest Collected Year-to-Date	Paid for Accrued Interest Year-to-Date
9199999 Totals	2,809,582	xxx	2,820,313		29,486

SCHEDULE DA - VERIFICATION

Short-Term Investments

	1	2
	Year To Date	Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year		
2. Cost of short-term investments acquired	37,562,113	
3. Accrual of discount	2,458	
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	(3,573)	
6. Deduct consideration received on disposals	34,740,686	
7. Deduct amortization of premium	10,730	
8. Total foreign exchange change in book/adjusted carrying value		
9. Deduct current year's other than temporary impairment recognized		
10. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)	2,809,582	
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	2,809,582	

Schedule DB - Part A - Verification - Options, Caps, Floors, Collars, Swaps and Forwards

N O N E

Schedule DB - Part B - Verification - Futures Contracts

N O N E

Schedule DB - Part C - Section 1 - Replication (Synthetic Asset) Transactions (RSATs) Open

N O N E

Schedule DB-Part C-Section 2-Reconciliation of Replication (Synthetic Asset) Transactions Open

N O N E

Schedule DB - Verification - Book/Adjusted Carrying Value, Fair Value and Potential Exposure of
Derivatives

N O N E

SCHEDULE E - PART 2 - VERIFICATION

(Cash Equivalents)

	1	2
	Year To Date	Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year	253,545,091	168,977,887
2. Cost of cash equivalents acquired	4,607,112,640	10,062,753,659
3. Accrual of discount	324,559	1,167,340
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	13,931	566
6. Deduct consideration received on disposals	4,557,210,741	9,979,354,361
7. Deduct amortization of premium		
8. Total foreign exchange change in book/adjusted carrying value		
9. Deduct current year's other than temporary impairment recognized		
10. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)	303,785,480	253,545,091
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	303,785,480	253,545,091

Schedule A - Part 2 - Real Estate Acquired and Additions Made

N O N E

Schedule A - Part 3 - Real Estate Disposed

N O N E

Schedule B - Part 2 - Mortgage Loans Acquired and Additions Made

N O N E

Schedule B - Part 3 - Mortgage Loans Disposed, Transferred or Repaid

N O N E

Schedule BA - Part 2 - Other Long-Term Invested Assets Acquired and Additions Made

N O N E

Schedule BA - Part 3 - Other Long-Term Invested Assets Disposed, Transferred or Repaid

N O N E

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE D - PART 3

Show All Long-Term Bonds and Stock Acquired During the Current Quarter

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol
36191R-SZ-4	GN AF9864 4.250% 09/15/38		.06/25/2020	CREDIT SUISSE SECURITIES US LL		38,231,155	34,992,941	119,802	1
38381B-ES-9	GOVERNMENT NATIONAL MORTGAGE SERIES 2019-5 CLASS ZC 3.500% 11/20/48		.06/01/2020	Interest Capitalization		63,141	63,141		1
0599999. Subtotal - Bonds - U.S. Governments						38,294,296	35,056,082	119,802	XXX
3136B3-EW-6	FNR 2018-78 ZB Z 4.000% 10/25/48		.06/01/2020	Interest Capitalization		106,527	106,527		1
3137BB-FB-1	FHR 4352 ZW EYCH Z SEQ 3.000% 06/15/44		.06/01/2020	Interest Capitalization		100,183	100,183		1
3137B6-3K-3	FHR 4430 Z Z SEQ 4.000% 01/15/45		.06/01/2020	Interest Capitalization		123,325	123,325		1
3137BN-ED-2	FHR 4565 DZ Z SEQ 3.000% 03/15/46		.06/01/2020	Interest Capitalization		42,619	42,619		1
3137BP-Q2-8	FHR 4579 GZ Z SEQ 3.000% 05/15/46		.06/01/2020	Interest Capitalization		89,688	89,688		1
3137BT-2L-4	FHR 4631 VZ Z SEQ 3.500% 11/15/46		.06/01/2020	Interest Capitalization		42,031	42,031		1
3137BW-HK-3	FHR 4665 NZ Z SEQ 3.500% 02/15/47		.06/01/2020	Interest Capitalization		38,378	38,378		1
3137FG-3N-3	FHR 4801 ZD Z SEQ 4.000% 06/15/48		.06/01/2020	Interest Capitalization		110,114	110,114		1
31418D-P4-8	FNMA POOL MA4042 2.000% 06/01/35		.06/17/2020	WELLS FARGO		25,644,507	24,874,939	20,729	1
31418D-Q2-1	FNMA POOL MA4072 2.500% 07/01/40		.06/17/2020	CREDIT SUISSE SECURITIES US LL		25,980,469	25,000,000	22,569	1
31418D-Q4-7	FNMA POOL MA4074 2.000% 07/01/35		.06/17/2020	WELLS FARGO		25,773,438	25,000,000	20,833	1
31418D-Q6-0	FNMA POOL MA4054 2.500% 06/01/40		.06/17/2020	CREDIT SUISSE SECURITIES US LL		25,894,460	24,917,237	22,495	1
3199999. Subtotal - Bonds - U.S. Special Revenues						103,945,739	100,445,041	86,626	XXX
007100-OF-T	SANDAVAL SANDAVAL 1.730% 07/16/29		.06/26/2020	KEYBANC CAPITAL MARKETS		30,037,500	30,000,000	38,925	4Z
00108W-AM-2	AEP TEXAS INC SERIES I 2.100% 07/01/30		.06/29/2020	BARCLAYS BANK PLC		32,095,133	32,225,000		2FE
002824-BQ-2	ABBOTT LABORATORIES 1.400% 06/30/30		.06/22/2020	MORGAN STANLEY & CO. INC.		19,023,431	19,300,000		1FE
00287Y-CG-2	ABBVIE INC SERIES 144A 3.250% 10/01/22		.05/14/2020	Taxable Exchange		2,700,170	2,625,000	10,190	2FE
00287Y-CN-7	ABBVIE INC SERIES 144A 4.750% 03/15/45		.05/12/2020	Taxable Exchange		4,159,086	3,586,000	27,916	2FE
00287Y-DC-0	ABBVIE INC SERIES 144A 3.800% 03/15/25		.05/12/2020	Taxable Exchange		10,367,059	9,600,000	59,787	2FE
009158-BC-9	AIR PRODUCTS & CHEMICALS 2.050% 05/15/30		.04/27/2020	BANK OF AMERICA		5,842,044	5,850,000		1FE
03040W-AW-5	AMERICAN WATER CAPITAL C 2.800% 05/01/30		.04/08/2020	RBC DAIN RAUSCHER INC.		921,217	925,000		2FE
031162-CW-8	AMGEN INC 2.300% 02/25/31		.05/04/2020	CITIGROUP GLOBAL MARKETS INC		4,982,100	5,000,000		2FE
032654-AS-4	ANALOG DEVICES INC 2.950% 04/01/25		.04/06/2020	JP MORGAN SECURITIES		2,338,156	2,350,000		2FE
035240-AV-2	ANHEUSER BUSCH INBEV WGR 3.500% 06/01/30		.04/01/2020	DEUTSCHE BANK SECURITIES INCOR		5,139,185	5,150,000		2FE
036752-AN-3	ANTHEM INC 2.250% 05/15/30		.04/30/2020	DEUTSCHE BANK SECURITIES INCOR		15,940,000	16,000,000		2FE
038222-AN-5	APPLIED MATERIALS INC 1.750% 06/01/30		.05/26/2020	BANK OF AMERICA		22,986,623	23,075,000		1FE
06406R-AN-7	BANK OF NY MELLON CORP SERIES MTN 1.600% 04/24/25		.04/17/2020	GOLDMAN SACHS & COMPANY		9,521,381	9,525,000		1FE
09247X-AR-2	BLACKROCK INC 1.900% 01/28/31		.04/27/2020	MORGAN STANLEY & CO. INC.		10,985,751	11,025,000		1FE
099724-AL-0	BORGWARNER INC 2.650% 07/01/27		.06/16/2020	BANK OF AMERICA		9,398,516	9,425,000		2FE
101137-AZ-0	BOSTON SCIENTIFIC CORP 1.900% 06/01/25		.05/14/2020	BARCLAYS BANK PLC		4,697,744	4,700,000		2FE
11135F-AM-3	BROADCOM INC SERIES 144A 3.459% 09/15/26		.05/21/2020	Taxable Exchange		5,037,492	5,046,000		2FE
12582B-AK-0	CNH INDUSTRIAL CAP LLC 1.950% 07/02/23		.06/23/2020	WELLS FARGO		12,222,510	12,300,000		2FE
133131-AZ-5	CAMDEN PROPERTY TRUST 2.800% 05/15/30		.04/16/2020	BANK OF AMERICA		3,072,817	3,075,000		1FE
166764-BX-7	CHEVRON CORP 1.995% 05/11/27		.05/07/2020	JP MORGAN SECURITIES		4,575,000	4,575,000		1FE
166764-BY-5	CHEVRON CORP 2.236% 05/11/30		.05/07/2020	JP MORGAN SECURITIES		6,025,000	6,025,000		1FE
166764-CA-6	CHEVRON CORP 3.078% 05/11/50		.05/07/2020	JP MORGAN SECURITIES		3,500,000	3,500,000		1FE
191216-CV-0	COCA COLA CO THE 1.650% 06/01/30		.04/29/2020	MORGAN STANLEY & CO. INC.		19,684,761	19,725,000		1FE
191216-CX-6	COCA COLA CO THE 2.600% 06/01/50		.04/29/2020	BARCLAYS BANK PLC		6,345,936	6,350,000		1FE
21036P-BF-4	CONSTELLATION BRANDS INC 2.875% 05/01/30		.04/23/2020	BANK OF AMERICA		1,222,562	1,225,000		2FE
247361-ZX-9	DELTA AIR LINES INC SERIES 144A 7.000% 05/01/25		.04/27/2020	JP MORGAN SECURITIES		2,325,000	2,325,000		2FE
263534-CP-2	E I DU PONT DE NEMOURS 2.300% 07/15/30		.05/13/2020	JP MORGAN SECURITIES		2,266,742	2,275,000		1FE
26441Y-BE-6	DUKE REALTY LP 1.750% 07/01/30		.06/22/2020	CITIGROUP GLOBAL MARKETS INC		17,932,032	18,100,000		2FE
294429-AR-6	EQUIFAX INC 2.600% 12/15/25		.04/22/2020	JP MORGAN SECURITIES		2,522,172	2,525,000		2FE
294429-AS-4	EQUIFAX INC 3.100% 05/15/30		.04/22/2020	JP MORGAN SECURITIES		1,821,533	1,825,000		2FE
29449W-AA-5	EQUITABLE FINANCIAL LIFE SERIES 144A 1.400% 07/07/25		.06/29/2020	JP MORGAN SECURITIES		4,990,850	5,000,000		4Z
29670G-AD-4	ESSENTIAL UTILITIES INC 2.704% 04/15/30		.04/13/2020	RBC DAIN RAUSCHER INC.		4,350,000	4,350,000		2FE
30036F-AA-9	EVERGY KANSAS CENTRAL 3.450% 04/15/50		.04/02/2020	WELLS FARGO		8,315,849	8,350,000		1FE
337738-BC-1	FISERV INC 2.650% 06/01/30		.05/11/2020	CITIGROUP GLOBAL MARKETS INC		6,862,900	6,875,000		3FE
33834D-AA-2	FIVE CORNERS FND TR II SERIES 144A 2.850% 05/15/30		.05/21/2020	Various		26,839,600	26,675,000	3,167	1FE
40139L-AG-8	GUARDIAN LIFE GLOB FUND SERIES 144A 1.100% 06/23/25		.06/16/2020	DEUTSCHE BANK SECURITIES INCOR		19,781,784	19,800,000		1FE
40139L-AH-6	GUARDIAN LIFE GLOB FUND SERIES 144A 1.400% 07/06/27		.06/30/2020	JP MORGAN SECURITIES		12,479,250	12,500,000		4Z
42824C-BG-3	HP ENTERPRISE CO 4.450% 10/02/23		.04/06/2020	BNP PARIBAS		4,997,800	5,000,000		2FE
438516-BZ-8	HONEYWELL INTERNATIONAL 1.950% 06/01/30		.05/14/2020	WELLS FARGO		6,368,051	6,375,000		1FE
459200-KJ-9	IBM CORP 1.950% 05/15/30		.04/30/2020	GOLDMAN SACHS & COMPANY		7,123,474	7,150,000		1FE
461070-AS-3	INTERSTATE POWER & LIGHT 2.300% 06/01/30		.05/26/2020	MITSUBISHI UFJ SECURITIES USA		4,978,750	5,000,000		2FE
46647P-BQ-8	JPMORGAN CHASE & CO 1.515% 06/01/24		.05/19/2020	JP MORGAN SECURITIES		12,000,000	12,000,000		1FE
46647P-BR-6	JPMORGAN CHASE & CO 2.182% 06/01/28		.05/19/2020	JP MORGAN SECURITIES		12,000,000	12,000,000		1FE
487836-BX-5	KELLOGG CO 2.100% 06/01/30		.05/26/2020	BARCLAYS BANK PLC		10,671,217	10,700,000		2FE

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE D - PART 3

Show All Long-Term Bonds and Stock Acquired During the Current Quarter

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol
491674-BN-8	KENTUCKY UTILITIES CO 3.300% 06/01/50		.05/19/2020	BARCLAYS BANK PLC		1,542,390	1,550,000		1FE
501044-DP-3	KROGER CO 2.200% 05/01/30		.04/21/2020	Various		14,093,333	14,125,000		2FE
502431-AJ-8	L3HARRIS TECH INC 3.850% 06/15/23		.05/01/2020	Tax Free Exchange		2,636,085	2,550,000	37,088	2FE
502431-AL-3	L3HARRIS TECH INC 3.850% 12/15/26		.05/01/2020	Tax Free Exchange		1,511,178	1,450,000	21,245	2FE
502431-AM-1	L3HARRIS TECH INC SERIES WI 4.400% 06/15/28		.05/01/2020	Tax Free Exchange		11,391,835	10,500,000	174,533	2FE
512807-AV-0	LAM RESEARCH CORP 1.900% 06/15/30		.04/30/2020	JP MORGAN SECURITIES		1,071,453	1,075,000		1FE
539830-BP-3	LOCKHEED MARTIN CORP 1.850% 06/15/30		.05/15/2020	MIZUHO SECURITIES USA INC.		1,546,590	1,550,000		1FE
539830-BQ-1	LOCKHEED MARTIN CORP 2.800% 06/15/50		.05/15/2020	MORGAN STANLEY & CO. INC.		396,532	400,000		1FE
554000-AA-9	MVIOT SERIES 2019-2A CLASS A 144A 2.220% 10/20/38		.04/07/2020	CANTOR FITZGERALD & CO.		1,299,376	1,463,056	1,624	1FE
571748-BN-1	MARSH & MCLENNAN COS INC 2.250% 11/15/30		.05/04/2020	CITIGROUP GLOBAL MARKETS INC		2,230,785	2,250,000		1FE
58933Y-AZ-8	MERCK & CO INC 1.450% 06/24/30		.06/16/2020	BANK OF AMERICA		22,653,719	22,850,000		1FE
58933Y-BB-0	MERCK & CO INC 2.450% 06/24/50		.06/16/2020	DEUTSCHE BANK SECURITIES INCOR		9,349,509	9,575,000		1FE
584918-CC-6	MICROSOFT CORP 2.525% 06/01/50		.05/28/2020	Taxable Exchange		8,849,375	8,800,000		1FE
609207-AS-4	MONDELEZ INTERNATIONAL 2.125% 04/13/23		.04/07/2020	WELLS FARGO		1,795,842	1,800,000		2FE
609207-AT-2	MONDELEZ INTERNATIONAL INC 2.750% 04/13/30		.04/07/2020	WELLS FARGO		1,237,900	1,250,000		2FE
617446-BQ-5	MORGAN STANLEY 2.188% 04/28/26		.04/23/2020	MORGAN STANLEY & CO. INC.		2,300,000	2,300,000		1FE
631005-BJ-3	NARRAGANSETT ELECTRIC SERIES 144A 3.395% 04/09/30		.04/07/2020	CITIGROUP GLOBAL MARKETS INC		575,000	575,000		1FE
64952W-DP-5	NEW YORK LIFE INSURANCE SERIES 144A 1.100% 05/05/23		.05/04/2020	BANK OF AMERICA		5,323,882	5,325,000		1FE
65339K-BR-0	NEXTERA ENERGY CAPITAL 2.250% 06/01/30		.05/05/2020	MORGAN STANLEY & CO. INC.		5,323,030	5,325,000		2FE
65364U-AN-6	NIAGARA MOHAWK POWER SERIES 144A 1.960% 06/27/30		.06/23/2020	BANK OF AMERICA		50,000,000	50,000,000		1FE
665859-AV-6	NORTHERN TRUST CORP 1.950% 05/01/30		.04/28/2020	MORGAN STANLEY & CO. INC.		14,096,372	14,150,000		1FE
670346-AR-6	NUCOR CORP 2.000% 06/01/25		.05/20/2020	WELLS FARGO		8,312,346	8,325,000		2FE
670346-AS-4	NUCOR CORP 2.700% 06/01/30		.05/20/2020	WELLS FARGO		4,537,306	4,550,000		2FE
68235P-AH-1	ONE GAS INC 2.000% 05/15/30		.04/29/2020	MIZUHO SECURITIES USA INC.		1,467,271	1,475,000		1FE
68267B-AA-8	ONEMAIN FINANCIAL ISSUANCE T SERIES 2018-1A CLASS A 144A 3.300% 03/14/29		.06/25/2020	BNP PARIBAS		272,953	270,000	371	1FE
68269B-AA-6	ONEMAIN FINANCIAL ISSUANCE TR SERIES 2019-2A CLASS A 144A 3.140% 10/14/36		.06/25/2020	BNP PARIBAS		202,172	200,000	262	1FE
68269L-AA-4	ONEMAIN FINANCIAL ISSUANCE TR SERIES 2020-1A CLASS A 144A 3.840% 05/14/32		.04/24/2020	RBC DAIN RAUSCHER INC.		5,199,604	5,200,000		1FE
69335P-DP-7	PFS FINANCING CORP SERIES 2020-A CLASS A 144A 1.270% 06/16/25		.06/16/2020	JP MORGAN SECURITIES		14,997,986	15,000,000		1FE
6944PL-ZB-4	PACIFIC LIFE GF II SERIES 144A 1.200% 06/24/25		.06/17/2020	CREDIT SUISSE SECURITIES US LL		19,955,600	20,000,000		1FE
713448-EZ-7	PEPSICO INC 1.625% 05/01/30		.04/29/2020	GOLDMAN SACHS & COMPANY		8,488,257	8,525,000		1FE
720186-AM-7	PIEDMONT NATURAL GAS CO 3.350% 06/01/50		.05/18/2020	MIZUHO SECURITIES USA INC.		992,870	1,000,000		2FE
74256L-EE-5	PRINCIPAL LIFE GLB FND II SERIES 144A 1.250% 06/23/25		.06/16/2020	GOLDMAN SACHS & COMPANY		9,891,882	9,900,000		1FE
74949L-AD-4	RELX CAPITAL INC 3.000% 05/22/30		.05/18/2020	Various		2,143,803	2,150,000		2FE
75513E-BA-8	RAYTHEON TECH CORP SERIES 144A 3.100% 11/15/21		.05/22/2020	Taxable Exchange		3,374,016	3,300,000	7,104	2FE
75513E-BE-0	RAYTHEON TECH CORP SERIES 144A 3.500% 03/15/27		.05/22/2020	Taxable Exchange		16,558,219	15,400,000	127,264	2FE
75513E-BG-5	RAYTHEON TECH CORP SERIES 144A 4.350% 04/15/47		.05/22/2020	Taxable Exchange		6,707,335	5,800,000	38,546	2FE
75951A-AL-2	RELIANCE STAND LIFE II SERIES 144A 2.500% 10/30/24		.04/22/2020	WELLS FARGO		9,903,700	10,000,000	120,833	1FE
863667-AY-7	STRYKER CORP 1.950% 06/15/30		.05/26/2020	BANK OF AMERICA		23,084,849	23,175,000		2FE
863667-BA-8	STRYKER CORP 1.150% 06/15/25		.05/26/2020	WELLS FARGO		12,071,686	12,100,000		2FE
89236T-HA-6	TOYOTA MOTOR CREDIT CORP SERIES MTN 1.350% 08/25/23		.05/20/2020	CITIGROUP GLOBAL MARKETS INC		29,988,900	30,000,000		1FE
89239R-AC-0	TOYOTA AUTO RECEIVABLES OWNER SERIES 2020-B CLASS A3 1.360% 08/15/24		.04/20/2020	BANK OF AMERICA		1,794,641	1,795,000		1FE
89239R-AD-8	TOYOTA AUTO RECEIVABLES OWNER SERIES 2020-B CLASS A4 1.660% 09/15/25		.04/20/2020	BANK OF AMERICA		2,124,342	2,125,000		1FE
89417E-AQ-2	TRAVELERS COS INC 2.550% 04/27/50		.04/24/2020	Various		5,294,543	5,300,000	354	1FE
907818-FG-8	UNION PACIFIC CORP 3.839% 03/20/60		.05/27/2020	Tax Free Exchange		2,458,437	2,500,000	17,862	2FE
91159H-HZ-6	US BANCORP 1.450% 05/12/25		.05/08/2020	U.S. BANCORP INVESTMENTS INC		9,988,500	10,000,000		1FE
91324P-DX-7	UNITEDHEALTH GROUP INC 2.000% 05/15/30		.05/13/2020	BARCLAYS BANK PLC		10,609,799	10,700,000		1FE
91324P-DY-5	UNITEDHEALTH GROUP INC 2.750% 05/15/40		.05/13/2020	BARCLAYS BANK PLC		1,601,886	1,650,000		1FE
91324P-DZ-2	UNITEDHEALTH GROUP INC 2.900% 05/15/50		.05/13/2020	BARCLAYS BANK PLC		3,401,335	3,500,000		1FE
918286-AA-3	VSTNA 2018-A A SEQ 3.560% 02/20/36		.04/07/2020	BNP PARIBAS		246,095	256,850	483	1FE
928668-BC-5	VOLKSWAGEN GROUP AMERICA SERIES 144A 2.900% 05/13/22		.05/06/2020	GOLDMAN SACHS & COMPANY		3,498,110	3,500,000		2FE
95000U-2N-2	WELLS FARGO & COMPANY 2.188% 04/30/26		.04/23/2020	WELLS FARGO		7,000,000	7,000,000		1FE
95000U-2R-3	WELLS FARGO & COMPANY SERIES MTN 1.660% 06/02/24		.05/26/2020	WELLS FARGO		6,050,000	6,050,000		1FE
95000U-2S-1	WELLS FARGO & COMPANY SERIES MTN 2.160% 06/02/28		.05/26/2020	WELLS FARGO		13,275,000	13,275,000		1FE
98419M-AL-4	XYLEM INC 2.250% 01/30/31		.06/24/2020	JP MORGAN SECURITIES		5,407,163	5,450,000		2FE
98978V-AS-2	ZOETIS INC 2.000% 05/15/30		.05/07/2020	BARCLAYS BANK PLC		11,921,160	12,000,000		2FE
BK1284-5E-5	UPJOHN INC SERIES 144A 2.700% 06/22/30		.06/17/2020	GOLDMAN SACHS & COMPANY		21,657,001	21,725,000		2FE
06367W-BB-5	BANK OF MONTREAL SERIES MTN 1.850% 05/01/25	A.	.04/22/2020	BMO CAPITAL MARKETS		9,992,400	10,000,000		1FE
13607G-RK-2	CANADIAN IMPERIAL BANK 0.950% 06/23/23	A.	.06/17/2020	CITIGROUP GLOBAL MARKETS INC		23,786,672	23,800,000		1FE
78015K-7G-3	ROYAL BANK OF CANADA SERIES GMTN 1.600% 04/17/23	A.	.04/15/2020	RBC DAIN RAUSCHER INC.		29,980,800	30,000,000		1FE
05523R-AD-9	BAE SYSTEMS PLC SERIES 144A 3.400% 04/15/30	D.	.04/07/2020	DEUTSCHE BANK SECURITIES INCOR		1,514,264	1,525,000		2FE
05971K-AE-9	BANCO SANTANDER SA 2.746% 05/28/25	D.	.05/20/2020	BANK OF AMERICA		10,000,000	10,000,000		2FE

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE D - PART 3

Show All Long-Term Bonds and Stock Acquired During the Current Quarter

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol
05971K-AF-6	BANCO SANTANDER SA 3.490% 05/28/30	D	.05/20/2020	BANK OF AMERICA		4,100,000	4,100,000		2FE
149791-AA-3	CAYUGA PARK CLO LTD SERIES 2020-1A CLASS A 144A 2.735% 07/17/31	D	.06/29/2020	BNP PARIBAS		10,000,000	10,000,000		6*
23636A-AW-1	DANSKE BANK A S SERIES 144A 1.226% 06/22/24	D	.06/16/2020	BNP PARIBAS		50,000,000	50,000,000		1FE
25243Y-BD-0	DIAGEO CAPITAL PLC 2.000% 04/29/30	D	.04/27/2020	BANK OF AMERICA		8,708,263	8,750,000		1FE
456837-AU-7	ING GROEP NV SERIES 144A 1.400% 07/01/26	D	.06/24/2020	JP MORGAN SECURITIES		42,146,743	42,175,000		2FE
67577V-AA-1	OCTAGON CREDIT PARTNERS 46 LTD SERIES 2020-2A CLASS A 144A 2.869% 07/15/33	D	.06/26/2020	MORGAN STANLEY & CO. INC.		17,500,000	17,500,000		1FE
74435K-AA-3	PRUDENTIAL PLC 3.125% 04/14/30	D	.04/08/2020	CITIGROUP GLOBAL MARKETS INC		1,089,638	1,100,000		1FE
74977R-DH-4	COOPERATIVE RABOBANK UA SERIES 144A 1.180% 06/24/26	D	.06/17/2020	BANK OF AMERICA		50,000,000	50,000,000		1FE
86959L-AF-0	SVENSKA HANDELSBANKEN AB SERIES 144A 0.625% 06/30/23	D	.06/23/2020	CITIGROUP GLOBAL MARKETS INC		34,479,246	34,600,000		1FE
874060-AX-4	TAKEDA PHARMACEUTICAL 2.050% 03/31/30	D	.06/29/2020	BANK OF AMERICA		19,062,564	19,100,000		2FE
89153V-AX-7	TOTAL CAPITAL INTL SA 2.986% 06/29/41	D	.06/24/2020	DEUTSCHE BANK SECURITIES INCOR		4,625,000	4,625,000		1FE
902674-YA-2	UBS AG LONDON SERIES 144A 1.750% 04/21/22	D	.04/14/2020	U.S. BANCORP LIBRA		8,114,356	8,125,000		1FE
3899999. Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated)						1,190,251,077	1,188,466,906	687,554	XXX
8399997. Total - Bonds - Part 3						1,332,491,112	1,323,968,029	893,982	XXX
8399998. Total - Bonds - Part 5						XXX	XXX	XXX	XXX
8399999. Total - Bonds						1,332,491,112	1,323,968,029	893,982	XXX
8999997. Total - Preferred Stocks - Part 3							XXX		XXX
8999998. Total - Preferred Stocks - Part 5						XXX	XXX	XXX	XXX
8999999. Total - Preferred Stocks							XXX		XXX
9799997. Total - Common Stocks - Part 3							XXX		XXX
9799998. Total - Common Stocks - Part 5						XXX	XXX	XXX	XXX
9799999. Total - Common Stocks							XXX		XXX
9899999. Total - Preferred and Common Stocks							XXX		XXX
9999999 - Totals						1,332,491,112	XXX	893,982	XXX

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE D - PART 4

Show All Long-Term Bonds and Stock Sold, Redeemed or Otherwise Disposed of During the Current Quarter

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Identification	Description	For- eign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consid- eration	Par Value	Actual Cost	Prior Year Book/ Adjusted Carrying Value	Unrealized Valuation Increase/ (Decrease)	Current Year's (Amor- tization)/ Accretion	Current Year's Other Than Temporary Impairment Recogn- ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con- tractual Maturity Date	NAIC Desig- nation and Admini- strative Symbol
29766D-AF-1	ETHIOPIAN LEASING 2012 US GOVT GUARANT 2.646% 05/12/26		05/12/2020	Redemption 100.0000		533,439	533,439	533,439	533,439						533,439				7,057	05/12/2026	1
29766D-AG-9	ETHIOPIAN LEASING 2012 US GOVT GUARANT 2.566% 08/14/26		05/14/2020	Redemption 100.0000		214,985	214,985	214,985	214,985						214,985				2,758	08/14/2026	1
30217T-AA-0	EXPORT LEASE TEN CO LLC US GOVT GUARANT 1.650% 05/07/25		05/07/2020	Paydown		84,434	84,434	80,852	82,555		1,879		1,879		84,434				697	05/07/2025	1
3617A4-PJ-1	GN A04025 3.700% 10/15/33		06/01/2020	Redemption 100.0000		113,415	113,415	116,817	116,056		(2,641)		(2,641)		113,415				1,749	10/15/2033	1
367333-AD-3	GATE CAPITAL CAYMAN TWO US GOVT GUARANT 2.637% 12/02/21		06/02/2020	Redemption 100.0000		308,214	308,214	308,214	308,214						308,214				4,064	12/02/2021	1
49549C-AA-6	KING INTL LEASING LLC US GOVT GUARANT 2.754% 10/15/22		04/15/2020	Redemption 100.0000		192,648	192,648	192,648	192,648						192,648				2,653	10/15/2022	1
59280P-AA-9	MEXICAN AIR FINANCE IV US GOVT GUARANT 2.537% 07/13/25		04/13/2020	Redemption 100.0000		316,327	316,327	316,327	316,327						316,327				4,013	07/13/2025	1
690353-SQ-1	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.430% 05/15/30		05/15/2020	Redemption 100.0000		67,500	67,500	67,500	67,500						67,500				1,158	05/15/2030	1
690353-VQ-7	OVERSEAS PRIVATE INV COR US GOVT GUARANT 2.610% 04/15/30		04/15/2020	Redemption 100.0000		221,129	221,129	221,129	221,129						221,129				2,886	04/15/2030	1
690353-WG-8	OVERSEAS PRIVATE INV COR US GOVT GUARANT 2.310% 11/15/30		05/15/2020	Redemption 100.0000		719,995	719,995	719,995	719,995						719,995				8,316	11/15/2030	1
690353-XM-4	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.590% 12/15/30		06/15/2020	Redemption 100.0000		35,714	35,714	35,714	35,714						35,714				641	12/15/2030	1
690353-XN-2	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.540% 06/15/30		06/15/2020	Redemption 100.0000		124,997	124,997	124,997	124,997						124,997				2,212	06/15/2030	1
690353-XR-3	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.938% 12/20/32		06/20/2020	Redemption 103.4735		98,574	95,265	95,265	93,351		5,223		5,223		98,574				1,572	12/20/2032	1
71654Q-BC-5	PETROLEOS MEXICANOS US GOVT GUARANT 2.000% 12/20/22		06/20/2020	Redemption 100.0000		665,000	665,000	667,062	665,649		(649)		(649)		665,000				6,650	12/20/2022	1
71654Q-BS-0	PETROLEOS MEXICANOS US GOVT GUARANT 1.569% 04/15/25		04/15/2020	Redemption 100.0000		125,000	125,000	123,125	123,982		1,018		1,018		125,000				1,440	04/15/2025	1
746388-AA-5	PURPLE CHEN 2011 LLC US GOVT GUARANT 2.735% 08/01/23		05/01/2020	Redemption 100.0000		570,149	570,149	570,149	570,149						570,149				7,797	08/01/2023	1
797224-AB-8	SAN CLEMENTE LEASING LLC US GOVT GUARANT 3.350% 06/07/22		06/07/2020	Redemption 100.0000		96,992	96,992	96,992	96,992						96,992				1,625	06/07/2022	1
797224-AC-6	SAN CLEMENTE LEASING LLC US GOVT GUARANT 3.030% 11/22/22		05/22/2020	Redemption 100.0000		186,565	186,565	186,565	186,565						186,565				2,120	11/22/2022	1
79977T-AA-7	SANDALWOOD 2013 LLC US GOVT GUARANT 2.836% 07/10/25		04/10/2020	Redemption 100.0000		371,871	371,871	371,871	371,871						371,871				5,273	07/10/2025	1
79977T-AB-5	SANDALWOOD 2013 LLC US GOVT GUARANT 2.897% 07/10/25		04/10/2020	Redemption 100.0000		328,121	328,121	328,121	328,121						328,121				4,753	07/10/2025	1
805649-AA-8	SAYARRA LTD US GOVT GUARANT 2.774% 10/29/21		04/29/2020	Redemption 100.0000		257,494	257,494	257,494	257,494						257,494				3,571	10/29/2021	1
876780-AA-5	TAYARRA LTD US GOVT GUARANT 3.628% 02/15/22		05/15/2020	Redemption 100.0000		122,002	122,002	122,002	122,002						122,002				2,213	02/15/2022	1
89609G-AA-0	TRICAHUE LEASING LLC US GOVT GUARANT 3.503% 11/19/21		05/19/2020	Redemption 100.0000		119,970	119,970	119,970	119,970						119,970				2,148	11/19/2021	1
89609G-AB-8	TRICAHUE LEASING LLC US GOVT GUARANT 3.744% 02/26/22		05/26/2020	Redemption 100.0000		90,290	90,290	90,290	90,290						90,290				1,717	02/26/2022	1
90373R-AA-8	ULANI MSN 35940 LLC US GOVT GUARANT 2.227% 05/16/25		05/16/2020	Redemption 100.0000		208,333	208,333	208,333	208,333						208,333				2,320	05/16/2025	1
92242V-AB-2	VCK LEASE SA US GOVT GUARANT 2.591% 07/24/26		04/24/2020	Redemption 100.0000		431,457	431,457	431,457	431,457						431,457				5,590	07/24/2026	1
98913L-AB-9	ZARAPITO LEASING LLC US GOVT GUARANT 2.628% 11/12/26		05/12/2020	Redemption 100.0000		204,235	204,235	204,235	204,235						204,235				2,702	11/12/2026	1
0599999.	Subtotal - Bonds - U.S. Governments					6,808,850	6,805,541	6,805,548	6,804,020		4,830		4,830		6,808,850				89,695	XXX	XXX
14440P-AA-1	CARPINTERO FINANCE LTD GOVT GTD. 2.004% 09/18/24	D	06/18/2020	Redemption 100.0000		219,237	219,237	219,237	208,895		10,342		10,342		219,237				2,196	09/18/2024	1
1099999.	Subtotal - Bonds - All Other Governments					219,237	219,237	219,237	208,895		10,342		10,342		219,237				2,196	XXX	XXX

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE D - PART 4

Show All Long-Term Bonds and Stock Sold, Redeemed or Otherwise Disposed of During the Current Quarter

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Identification	Description	For- eign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consid- eration	Par Value	Actual Cost	Prior Year Book/ Adjusted Carrying Value	Unrealized Valuation Increase/ (Decrease)	Current Year's (Amor- tization)/ Accretion	Current Year's Other Than Temporary Impairment Recogn- ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con- tractual Maturity Date	NAIC Desig- nation and Admini- strative Symbol
452152-QM-6	ILLINOIS ST State of Illinois 3.65 04/01/20		04/01/2020	Maturity		3,000,000	3,000,000	3,000,000	3,000,000						3,000,000				54,750	04/01/2020	2FE
70914P-NE-8	PENNSYLVANIA ST US TREASURY OBLIG 5.350% 05/01/30		05/01/2020	Call	100.0000	2,000,000	2,000,000	1,968,600	1,979,571		493		493		1,980,064		19,936	19,936	53,500	05/01/2030	1FE
1799999.Subtotal - Bonds - U.S. States, Territories and Possessions						5,000,000	5,000,000	4,968,600	4,979,571		493		493		4,980,064		19,936	19,936	108,250	XXX	XXX
3133KY-SV-2	FHLMC POOL RB5032 2.500% 02/01/40		06/01/2020	Paydown		789,170	789,170	803,967			(14,797)		(14,797)		789,170				3,675	02/01/2040	1
31359U-PG-4	FNW 1998-W2 B1 SUB 6.500% 06/25/28		06/01/2020	Paydown		18,839	18,839	18,033	18,326		514		514		18,839				501	06/25/2028	3FE
31359U-PH-2	FNW 1998-W2 B2 SUB 6.500% 06/25/28		06/01/2020	Paydown		18,839	18,839	17,756	18,159		680		680		18,839				501	06/25/2028	5FE
3136A1-T3-9	FNW 2011-115 MB PAC-11 2.500% 11/25/26		06/01/2020	Paydown		405,009	405,009	411,337	409,258		(4,249)		(4,249)		405,009				4,222	11/25/2026	1
3136AA-A2-1	FNW 2012-133 NA PAC-11 1.500% 05/25/42		06/01/2020	Paydown		343,507	343,507	342,756	342,827		680		680		343,507				2,156	05/25/2042	1
	FNW 2012-138 QA EXCH PAC-11 2.000% 11/25/42																				
3136AA-FR-1			06/01/2020	Paydown		580,811	580,811	593,063	591,455		(10,644)		(10,644)		580,811				4,817	11/25/2042	1
3136AG-JV-5	FNW 2013-94 CA EXCH SEQ 3.500% 08/25/38		06/01/2020	Paydown		541,984	541,984	564,637	551,804		(9,820)		(9,820)		541,984				8,000	08/25/2038	1
3136AS-SM-4	FNW 2016-53 GA SEQ 3.500% 12/25/43		06/01/2020	Paydown		346,705	346,705	367,859	360,875		(14,170)		(14,170)		346,705				5,111	12/25/2043	1
3136AS-OR-0	FNW 2016-37 MJ EXCH SEQ 3.500% 08/25/43		06/01/2020	Paydown		350,722	350,722	371,437	363,571		(12,849)		(12,849)		350,722				5,113	08/25/2043	1
	FNW 2017-67 BN EXCH AD SEQ 3.000% 02/25/44																				
3136AX-M2-8			06/01/2020	Paydown		168,332	168,332	171,830	171,698		(3,366)		(3,366)		168,332				1,903	02/25/2044	1
3136AX-TU-9	FNW 2017-62 AB EXCH PAC 3.000% 08/25/45		06/01/2020	Paydown		580,340	580,340	595,030	593,167		(12,827)		(12,827)		580,340				7,248	08/25/2045	1
3136B2-XP-2	FNW 2018-58 P AD PAC 4.000% 12/25/44		06/01/2020	Paydown		1,078,410	1,078,410	1,111,099	1,109,822		(31,412)		(31,412)		1,078,410				17,339	12/25/2044	1
3137AG-R3-6	FHR 3935 GA EXCH PAC-11 3.000% 10/15/26		06/01/2020	Paydown		263,102	263,102	274,243	270,959		(7,857)		(7,857)		263,102				3,310	10/15/2026	1
3137AG-UM-0	FHR 3940 CB SCH-11 3.000% 01/15/25		06/01/2020	Paydown		268,307	268,307	279,459	275,844		(7,537)		(7,537)		268,307				3,310	01/15/2025	1
3137AJ-CP-7	FHR 3958 PA PAC-11 3.000% 11/15/26		06/01/2020	Paydown		323,907	323,907	337,559	333,774		(9,867)		(9,867)		323,907				4,064	11/15/2026	1
3137BA-D6-6	FHR 4323 CA EXCH SEQ 4.000% 03/15/40		06/01/2020	Paydown		966,013	966,013	1,022,163	997,218		(31,205)		(31,205)		966,013				15,903	03/15/2040	1
3137BM-ZE-9	FHR 4550 GA SEQ 3.000% 10/15/41		06/01/2020	Paydown		1,137,681	1,137,681	1,183,010	1,160,804		(23,124)		(23,124)		1,137,681				14,463	10/15/2041	1
3137BN-E8-3	FHR 4565 DM EXCH SEQ 3.000% 02/15/42		06/01/2020	Paydown		590,416	590,416	611,819	604,064		(13,648)		(13,648)		590,416				7,447	02/15/2042	1
3137BR-E3-5	FHR 4607 A EXCH SEQ 3.000% 11/15/40		06/01/2020	Paydown		838,471	838,471	870,962	856,282		(17,811)		(17,811)		838,471				10,685	11/15/2040	1
3137BS-OP-5	FHR 4622 GA SEQ 3.000% 05/15/41		06/01/2020	Paydown		670,666	670,666	685,756	681,060		(10,394)		(10,394)		670,666				8,529	05/15/2041	1
3137BS-DS-9	FHR 4622 HA SEQ 3.000% 11/15/43		06/01/2020	Paydown		392,694	392,694	411,101	406,402		(13,708)		(13,708)		392,694				4,943	11/15/2043	1
3137BS-E7-4	FHR 4622 JA SEQ 3.000% 12/15/42		06/01/2020	Paydown		748,706	748,706	780,058	772,986		(24,280)		(24,280)		748,706				9,521	12/15/2042	1
3137BS-UB-7	FHR 4628 BA EXCH SEQ 3.000% 05/15/41		06/01/2020	Paydown		721,364	721,364	734,889	730,199		(8,835)		(8,835)		721,364				9,174	05/15/2041	1
3137BW-2C-7	FHR 4671 CA EXCH SEQ 3.500% 08/15/43		06/01/2020	Paydown		246,522	246,522	255,382	253,157		(6,635)		(6,635)		246,522				3,689	08/15/2043	1
3137BX-CX-8	FHR 4673 KA EXCH SEQ 3.500% 08/15/42		06/01/2020	Paydown		2,312,295	2,312,295	2,394,671	2,367,689		(55,394)		(55,394)		2,312,295				34,368	08/15/2042	1
3137F1-4B-1	FHR 4690 QA EXCH SEQ 3.500% 05/15/44		06/01/2020	Paydown		1,381,319	1,381,319	1,422,758	1,414,236		(32,918)		(32,918)		1,381,319				20,431	05/15/2044	1
3137F1-5E-4	FHR 4690 WA EXCH SEQ 3.500% 12/15/43		06/01/2020	Paydown		2,327,897	2,327,897	2,405,008	2,388,741		(60,844)		(60,844)		2,327,897				34,578	12/15/2043	1
3137F3-QV-9	FHR 4764 DA EXCH SEQ 4.000% 07/15/45		06/01/2020	Paydown		1,673,791	1,673,791	1,713,021	1,707,113		(33,322)		(33,322)		1,673,791				28,409	07/15/2045	1
3137F4-DB-5	FHR 4778 BA EXCH SEQ 4.000% 09/15/45		06/01/2020	Paydown		1,609,756	1,609,756	1,647,988	1,639,633		(29,877)		(29,877)		1,609,756				27,378	09/15/2045	1
3137F4-S7-8	FHR 4776 WA EXCH SEQ 4.000% 07/15/45		06/01/2020	Paydown		1,058,209	1,058,209	1,082,680	1,078,679		(20,471)		(20,471)		1,058,209				17,937	07/15/2045	1
3137FA-E7-9	FHR 4708 B EXCH SEQ 3.500% 10/15/44		06/01/2020	Paydown		1,702,518	1,702,518	1,762,638	1,751,271		(48,753)		(48,753)		1,702,518				25,536	10/15/2044	1
3137FB-D3-7	FHR 4728 A EXCH SEQ 3.500% 02/15/45		06/01/2020	Paydown		1,032,634	1,032,634	1,067,929	1,061,875		(29,241)		(29,241)		1,032,634				15,488	02/15/2045	1
3137FB-HU-3	FHR 4725 QT EXCH SEQ 3.500% 01/15/45		06/01/2020	Paydown		1,728,739	1,728,739	1,786,678	1,777,736		(48,997)		(48,997)		1,728,739				25,929	01/15/2045	1
3137FC-S9-6	FHR 4749 GA SEQ 3.500% 10/15/44		06/01/2020	Paydown		1,197,815	1,197,815	1,216,718	1,213,674		(15,859)		(15,859)		1,197,815				17,728	10/15/2044	1
3137FD-BW-7	FHR 4748 YA EXCH SEQ 3.500% 09/15/44		06/01/2020	Paydown		2,459,428	2,459,428	2,517,071	2,505,300		(45,872)		(45,872)		2,459,428				36,093	09/15/2044	1
3138EL-N8-2	FN AL4014 3.500% 07/01/43		06/01/2020	Paydown		245,697	245,697	262,397	261,540		(15,843)		(15,843)		245,697				3,555	07/01/2043	1
31392J-LN-7	FNW 2003-15 PG PAC-11 5.500% 03/25/33		06/01/2020	Paydown		18,219	18,219	17,520	17,841		378		378		18,219				457	03/25/2033	1
31394Y-3																					

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE D - PART 4

Show All Long-Term Bonds and Stock Sold, Redeemed or Otherwise Disposed of During the Current Quarter

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Identification	Description	For- eign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consid- eration	Par Value	Actual Cost	Prior Year Book/ Adjusted Carrying Value	Unrealized Valuation Increase/ (Decrease)	Current Year's (Amor- tization)/ Accretion	Current Year's Other Than Temporary Impairment Recogn- ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con- tractual Maturity Date	NAIC Desig- nation and Admini- strative Symbol
..31418D-LP-5	FNMA POOL MA3933 2.500% 02/01/40		06/01/2020	Paydown		746,468	746,468	757,199					(10,730)		746,468				3,315	02/01/2040	1.....
..31418D-MP-4	FNMA POOL MA3965 2.500% 03/01/40		06/01/2020	Paydown		558,647	558,647	566,154					(7,507)		558,647				2,583	03/01/2040	1.....
..56045T-AF-2	MAINE ST MUNI BOND BANK LIQUOR Maine Municipal Bond Bank 3.66 3.668% 06/01/20 ..		06/01/2020	Maturity		4,015,000	4,015,000	4,015,000	4,015,000						4,015,000				73,635	06/01/2020	1FE.....
..645916-TV-9	NEW JERSEY ST ECON DEV AUTH New Jersey Economic Devel 5.8 5.800% 04/01/25		04/01/2020	Call 100.0000		155,000	155,000	160,909	157,265			(93)	(93)		157,173		(2,173)	(2,173)	4,495	04/01/2025	2FE.....
3199999	Subtotal - Bonds - U.S. Special Revenues					45,134,059	45,134,059	46,396,843	44,026,537		(1,017,627)		(1,017,627)		45,136,232		(2,173)	(2,173)	657,441	XXX	XXX
..032095-AF-8	AMPHENOL CORP SR UNSEC 2.200% 04/01/20		04/01/2020	Maturity		4,450,000	4,450,000	4,446,529	4,449,703				297		4,450,000				48,950	04/01/2020	2FE.....
..05607U-AA-7	BXGNT 2018-A A SEQ 3.770% 02/02/34		06/02/2020	Paydown		150,851	150,851	150,813	150,816				35		150,851				2,335	02/02/2034	1FE.....
..06405L-AB-7	BANK OF NY MELLON CORP SR UNSEC 0.611% 06/04/21		06/04/2020	Call 100.0000		5,250,000	5,250,000	5,250,000	5,250,000						5,250,000				49,510	06/04/2021	1FE.....
..075887-AW-9	BECTON DICKINSON AND CO SR UNSEC 3.250% 11/12/20		06/10/2020	Call 101.2440		93,144	92,000	95,452	92,516		(263)		(263)		92,253		(253)	(253)	2,872	11/12/2020	2FE.....
..11120V-AB-9	BRIXMOR OPERATING PART SR UNSEC 3.875% 08/15/22		06/29/2020	TENDER SALE		16,958,787	16,162,000	16,130,803	16,149,360		2,280		2,280		16,151,640		807,147	807,147	546,253	08/15/2022	2FE.....
..11120V-AC-7	BRIXMOR OPERATING PART SR UNSEC 4.125% 06/15/26		04/29/2020	WELLS FARGO		2,768,927	2,725,000	2,706,688	2,712,341		570		570		2,712,911		56,016	56,016	42,465	06/15/2026	2FE.....
..11134L-AK-5	BROADCOM CRP / CAYMN FI CO.GUARNT 2.200% 01/15/21		05/21/2020	Taxable Exchange		5,037,492	5,000,000	4,994,800	4,998,231		655		655		4,998,886		38,606	38,606	93,500	01/15/2021	2FE.....
..12510H-AB-6	CAPITAL AUTOMOTIVE REIT SERIES 2020-1A CLASS A2 144A 3.030% 02/15/50		06/15/2020	Paydown		99,896	99,896	99,879			17		17		99,896				942	02/15/2050	1FE.....
..14042T-CT-2	CAPITAL ONE BANK USA NA 2.280% 01/28/26		06/05/2020	TENDER SALE		19,955,200	20,000,000	20,000,000							20,000,000		(44,800)	(44,800)	167,200	01/28/2026	2FE.....
..14314E-AD-3	CARMX 2016-3 A4 SEQ 1.600% 01/18/22		06/15/2020	Paydown		1,233,419	1,233,419	1,233,206	1,233,379		40		40		1,233,419				8,180	01/18/2022	1FE.....
..14314M-AD-5	CARMX 2016-2 A4 SEQ 1.680% 09/15/21		06/15/2020	Paydown		1,101,673	1,101,673	1,101,307	1,101,632		41		41		1,101,673				8,441	09/15/2021	1FE.....
..17119B-AD-9	CCART 2016-BA A4 SEQ 1.870% 02/15/22		06/15/2020	Paydown		1,439,195	1,439,195	1,438,929	1,439,167		28		28		1,439,195				11,182	02/15/2022	1FE.....
..17401Q-AJ-0	CITIZENS BANK NA/R1 SR UNSEC 2.200% 05/26/20		05/26/2020	Maturity		1,425,000	1,425,000	1,423,689	1,424,820		180		180		1,425,000				15,675	05/26/2020	2FE.....
..20847T-BL-4	CNFFE 2001-D M2 MEZ FLT AFC IRC 1.935% 11/15/32		06/15/2020	Paydown		150,238	150,238	156,644	161,503		(11,265)		(11,265)		150,238				1,807	11/15/2032	1FM.....
..210171-AB-0	CMRS 2014-A A2 SEQ 2.962% 11/01/25		05/01/2020	Paydown		138,834	138,834	142,197	140,802		(1,968)		(1,968)		138,834				2,056	11/01/2025	1FE.....
..233050-AC-7	DBUS 2011-LC1A A3 SEQ 5.002% 11/10/46		06/01/2020	Paydown		67,971	68,646	67,937	67,971		34		34		67,971				1,329	11/10/2046	1FM.....
..247361-ZU-5	DELTA AIR LINES INC 2.900% 10/28/24		04/24/2020	BARCLAYS BANK PLC		5,183,750	6,500,000	6,474,195	6,475,052		1,555		1,555		6,476,607		(1,292,857)	(1,292,857)	94,250	10/28/2024	2FE.....
..25271C-AN-2	DIAMOND OFFSHORE DRILL SR UNSEC 4.875% 11/01/43		04/28/2020	BANK OF AMERICA		205,000	2,000,000	270,000	1,140,000			870,000	(870,000)		270,000		(65,000)	(65,000)		11/01/2043	5FE.....
..252722-AA-1	DROT 2019-1A A SEQ 2.890% 02/20/32		06/20/2020	Paydown		109,555	109,555	109,855	109,848		(293)		(293)		109,555				1,269	02/20/2032	1FE.....
..252724-AA-7	DROT 2018-1 A SEQ 3.700% 01/21/31		06/20/2020	Paydown		225,767	225,767	225,765			2		2		225,767				3,407	01/21/2031	1FE.....
..254700-AE-9	DISCOVERY COMMUNICATIONS CO.GUARNT 4.375% 06/15/21		05/13/2020	TENDER SALE		6,205,260	6,000,000	5,962,620	5,993,481		1,653		1,653		5,995,134		210,126	210,126	111,563	06/15/2021	2FE.....
..25470D-AH-2	DISCOVERY COMMUNICATIONS CO.GUARNT 3.250% 04/01/23		05/20/2020	TENDER SALE		2,478,218	2,475,000	2,470,991	2,473,565		163		163		2,473,729		4,489	4,489	51,614	04/01/2023	2FE.....
..25470D-AQ-2	DISCOVERY COMMUNICATIONS CO.GUARNT 2.950% 03/20/23		05/20/2020	TENDER SALE		578,514	582,000	581,267	581,556		51		51		581,608		(3,094)	(3,094)	11,541	03/20/2023	2FE.....
..30259M-AA-4	FCITL 2019-1A A SEQ 3.630% 02/18/31		05/15/2020	Paydown		100,420	100,420	100,403	100,404		16		16		100,420				1,348	02/18/2031	1FE.....
..337932-AL-1	FIRSTENERGY CORP 2.650% 03/01/30		05/06/2020	INCOR		2,016,520	2,000,000	1,998,580			28		28		1,998,608		17,912	17,912	11,483	03/01/2030	2FE.....
..42770L-AA-1	HERO 2015-1A A SEQ 3.840% 09/21/40		06/20/2020	Paydown		115,108	115,108	115,056	115,083		25		25		115,108				2,422	09/21/2040	1FE.....
..42771A-AA-4	HERO 2017-3A A1 SEQ 3.190% 09/20/48		06/20/2020	Paydown		175,708	175,708	175,649	175,652		56		56		175,708				2,940	09/20/2048	1FE.....
..42771L-AB-8	HERO 2017-2A A1 SEQ 3.280% 09/20/48		06/20/2020	Paydown		99,875	99,875	99,862	99,863		12		12		99,875				1,710	09/20/2048	1FE.....
..42806D-BQ-1	HERTZ 2018-1A A SEQ 3.290% 02/25/24		05/28/2020	BANK OF AMERICA		5,213,978	5,488,398	5,443,290	5,458,208		3,768		3,768		5,461,975		(247,997)	(247,997)	78,246	02/25/2024	1FE.....
..42806D-BQ-1	HERTZ 2018-1A A SEQ 3.290% 02/25/24		05/25/2020	Paydown		511,602	511,602	507,397	508,788		2,814		2,814		511,602				7,013	02/25/2024	1FE.....
..42806D-BZ-1	HERTZ 2018-3A A SEQ 4.030% 07/25/24		05/28/2020	BANK OF AMERICA		2,171,994	2,286,310	2,286,103	2,286,157		16		16		2,286,174		(114,180)	(114,180)	39,927	07/25/2024	1FE.....
..42806D-BZ-1	HERTZ 2018-3A A SEQ 4.030% 07/25/24		05/25/2020	Paydown		213,690	213,690	213,671			14		14		213,690				3,588	07/25/2024	1FE.....
..43284B-AA-0	HGVT 2018-AA A SEQ 3.540% 02/25/32		06/25/2020	Paydown		99,171	99,171	99,140	99,143		28		28		99,171				1,438	02/25/2032	1FE.....
..44891A-AL-1	HYUNDAI CAPITAL AMERICA SR UNSEC 2.550% 04/03/20		04/03/2020	Maturity		2,600,000	2,600,000	2,596,360	2,599,681		319		319		2,600,000				33,150	04/03/2020	2FE.....
..458140-BH-2	INTEL CORP 2.450% 11/15/29		05/07/2020	WELLS FARGO		1,072,857	1,025,000	1,046,781			(491)		(491)		1,046,290		26,567	26,567	11,859	11/15/2029	1FE.....

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE D - PART 4

Show All Long-Term Bonds and Stock Sold, Redeemed or Otherwise Disposed of During the Current Quarter

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Identification	Description	For- eign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consid- eration	Par Value	Actual Cost	Prior Year Book/ Adjusted Carrying Value	Unrealized Valuation Increase/ (Decrease)	Current Year's (Amor- tization)/ Accretion	Current Year's Other Than Temporary Impairment Recogn- ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con- tractual Maturity Date	NAIC Desig- nation and Admini- strative Symbol
461070-AJ-3	INTERSTATE POWER & LIGHT SR UNSEC 3.650% 09/01/20		06/27/2020	Call 100.0000		5,000,000	5,000,000	4,996,250	4,999,709		212		212		4,999,921		79	79	150,056	09/01/2020	2FE
46647S-AJ-9	JPMMT 2017-3 1A5 EXCH AFC SEQ SSNR 3.500% 08/25/47		06/01/2020	Paydown		1,336,559	1,336,559	1,357,861	1,355,974		(19,414)		(19,414)		1,336,559				19,620	08/25/2047	1FM
46648H-AE-3	JPMMT 2017-2 A5 EXCH AFC SEQ SSNR 3.500% 05/25/47		06/01/2020	Paydown		479,482	479,482	468,993	469,910		9,571		9,571		479,482				6,943	05/25/2047	1FM
46648U-AE-4	JPMMT 2017-4 A5 EXCH AFC SEQ SSNR 3.500% 11/25/48		06/01/2020	Paydown		2,941,464	2,941,464	2,905,615	2,917,579		23,885		23,885		2,941,464				43,603	11/25/2048	1FM
46649K-AC-9	JP MORGAN MORTGAGE TRUST SERIES 2018-5 CLASS A3 144A 3.500% 10/25/48		06/01/2020	Paydown		2,274,129	2,274,129	2,316,059	2,315,745		(41,615)		(41,615)		2,274,129				33,430	10/25/2048	1FM
46649Y-AE-5	JPMMT 2018-9 A5 EXCH AFC SEQ SSNR 4.000% 02/25/49		06/01/2020	Paydown		1,420,764	1,420,764	1,437,192	1,429,992		(9,227)		(9,227)		1,420,764				23,598	02/25/2049	1FM
502431-AA-7	L3HARRIS TECH INC SR UNSEC 4.950% 02/15/21		05/01/2020	Tax Free Exchange		2,820,313	2,785,000	2,873,747	2,841,939		(21,626)		(21,626)		2,820,313				98,415	02/15/2021	2FE
502431-AB-5	L3HARRIS TECH INC SR UNSEC 3.850% 06/15/23		05/01/2020	Tax Free Exchange		2,636,085	2,550,000	2,658,380	2,645,040		(8,955)		(8,955)		2,636,085				37,088	06/15/2023	2FE
502431-AD-1	L3HARRIS TECH INC SR UNSEC 3.850% 12/15/26		05/01/2020	Tax Free Exchange		1,511,178	1,450,000	1,518,302	1,514,061		(2,883)		(2,883)		1,511,178				21,245	12/15/2026	2FE
502431-AE-9	L3HARRIS TECH INC SR UNSEC 4.400% 06/15/28		05/01/2020	Tax Free Exchange		11,391,835	10,500,000	11,473,479	11,424,690		(32,855)		(32,855)		11,391,835				174,533	06/15/2028	2FE
52521R-AS-0	LMT 2007-5 2A3 FLT SSNR AS 0.515% 06/25/37		06/25/2020	Paydown		10,070	10,677	2,393	1,590		8,564		8,564		10,154		(84)	(84)	81	06/25/2037	1FM
539830-AY-5	LOCKHEED MARTIN CORP SR UNSEC 3.350% 09/15/21		06/16/2020	Call 103.6020		4,606,144	4,446,000	4,433,996	4,443,670		611		611		4,444,281		1,719	1,719	272,264	09/15/2021	1FE
553896-AA-9	MVIOT 2017-1A A SEQ 2.420% 12/20/34		06/20/2020	Paydown		249,173	249,173	247,209	247,381		1,792		1,792		249,173				2,488	12/20/2034	1FE
55400D-AA-9	MVIOT SERIES 2019-2A CLASS A 144A 2.220% 10/20/38		06/20/2020	Paydown		524,235	524,235	515,545	444,665		8,697		8,697		524,235				4,393	10/20/2038	1FE
59217G-CE-7	MET LIFE GLOB FUNDING I SECURED 2.050% 06/12/20		06/12/2020	Maturity		7,500,000	7,500,000	7,499,775	7,499,965		35		35		7,500,000				76,875	06/12/2020	1FE
594918-AT-1	MICROSOFT CORP SR UNSEC 2.375% 05/01/23		04/03/2020	RBC DAIN RAUSCHER INC.		5,191,650	5,000,000	4,983,200	4,993,947		466		466		4,994,413		197,237	197,237	51,458	05/01/2023	1FE
594918-BL-7	MICROSOFT CORP SR UNSEC 4.450% 11/03/45		05/28/2020	Taxable Exchange		10,535,731	7,550,000	7,523,953	7,525,855		210		210		7,526,065		3,009,666	3,009,666	194,119	11/03/2045	1FE
594918-CA-0	MICROSOFT CORP SR UNSEC 4.250% 02/06/47		05/13/2020	Taxable Exchange		1,702,436	1,250,000	1,246,638	1,246,810		26		26		1,246,836		455,600	455,600	43,533	02/06/2047	1FE
62848B-AA-9	MVIOT 2018-1A A SEQ 3.450% 01/21/36		06/20/2020	Paydown		539,277	539,277	539,378	539,373		(96)		(96)		539,277				7,600	01/21/2036	1FE
74432Q-CG-8	PRUDENTIAL FINANCIAL INC SERIES MTN 2.100% 03/10/30		05/21/2020	WELLS FARGO		9,976,100	10,000,000	9,974,900			474		474		9,975,374		726	726	44,333	03/10/2030	1FE
774341-AC-5	ROCKWELL COLLINS INC SR UNSEC 3.100% 11/15/21		05/22/2020	Taxable Exchange		3,374,016	3,300,000	3,290,727	3,298,034		454		454		3,298,488		75,528	75,528	58,254	11/15/2021	2FE
774341-AK-7	ROCKWELL COLLINS INC SR UNSEC 3.500% 03/15/27		05/22/2020	Taxable Exchange		16,558,219	15,400,000	15,374,590	15,380,508		1,055		1,055		15,381,563		1,176,656	1,176,656	396,764	03/15/2027	2FE
774341-AL-5	ROCKWELL COLLINS INC SR UNSEC 4.350% 04/15/47		05/22/2020	Taxable Exchange		6,707,335	5,800,000	5,774,886	5,776,103		203		203		5,776,307		931,028	931,028	164,696	04/15/2047	2FE
78448W-AB-1	SMB 2017-A A2A SEQ 2.880% 09/15/34		06/15/2020	Paydown		147,989	147,989	147,936	147,945		43		43		147,989				1,746	09/15/2034	1FE
78449K-AB-6	SMB 2016-C A2A SEQ 2.340% 09/15/34		06/15/2020	Paydown		237,446	237,446	234,385	235,614		1,833		1,833		237,446				2,276	09/15/2034	1FE
78449L-AB-4	SMB 2018-B A2A SEQ 3.600% 01/15/37		06/15/2020	Paydown		677,427	677,427	689,906	689,739		(12,312)		(12,312)		677,427				10,064	01/15/2037	1FE
78470R-AC-1	SOFI 2016-E A2B SEQ 2.490% 01/25/36		06/25/2020	Paydown		982,992	982,992	980,582	981,773		1,219		1,219		982,992				9,881	01/25/2036	1FE
81745A-AB-3	SEQUIA MORTGAGE TRUST SERIES 2013-5 CLASS A2 144A 3.000% 05/25/43		06/01/2020	Paydown		1,180,522	1,180,522	1,190,114	1,190,057		(9,535)		(9,535)		1,180,522				14,760	05/25/2043	1FM
81746N-AK-4	SEMT 2016-3 A10 EXCH AFC SEQ SSNR 3.500% 11/25/46		06/01/2020	Paydown		415,542	415,542	408,335	408,788		6,754		6,754		415,542				5,685	11/25/2046	1FM
81747A-AG-0	SEMT 2019-1 A4 EXCH AFC SSNR 4.000% 02/25/49		06/01/2020	Paydown		988,166	988,166	997,430	994,966		(6,800)		(6,800)		988,166				16,288	02/25/2049	1FM
81747W-AG-2	SEMT 2018-7 A4 EXCH AFC SEQ SSNR 4.000% 09/25/48		06/01/2020	Paydown		936,403	936,403	941,085	938,471		(2,068)		(2,068)		936,403				15,469	09/25/2048	1FM
81748K-AG-7	SEQUIA MORTGAGE TRUST SERIES 2020-2 CLASS A4 144A 3.500% 03/25/50		06/01/2020	Paydown		952,677	952,677	974,559			(24,616)		(24,616)		952,677				9,332	03/25/2050	1FE
81748M-AD-0	SEQUIA MORTGAGE TRUST SERIES 2020-1 CLASS A4 144A 3.500% 02/25/50		06/01/2020	Paydown		1,959,307	1,959,307	1,998,799			(53,040)		(53,040)		1,959,307				26,432	02/25/2050	1FE
82652M-AA-8	SFIC 2019-2A A SEQ 2.590% 05/20/36		06/20/2020	Paydown		558,001	558,001	557,850	557,856		145		145		558,001				5,848	05/20/2036	1FE

STATEMENT AS OF JUNE 30, 2020 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE D - PART 4

Show All Long-Term Bonds and Stock Sold, Redeemed or Otherwise Disposed of During the Current Quarter

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Identification	Description	For- eign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consid- eration	Par Value	Actual Cost	Prior Year Book/ Adjusted Carrying Value	Unrealized Valuation Increase/ (Decrease)	Current Year's (Amor- tization)/ Accretion	Current Year's Other Than Temporary Impairment Recogn- ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con- tractual Maturity Date	NAIC Desig- nation and Admini- strative Symbol
82652N-AA-6	SRFC SERIES 2019-3A CLASS A 144A 2.340% 07/15/38		06/20/2020	Paydown		286,110	286,110	286,105	286,105		.5		.5		286,110				2,729	07/15/2038	1FE
82653D-AA-7	SRFC 2018-2A A SEQ 3.500% 06/20/35		06/20/2020	Paydown		404,122	404,122	402,183	310,092		1,927		1,927		404,122				4,959	06/20/2035	1FE
82653G-AA-0	SRFC 2018-3A A SEQ 3.690% 09/20/35		06/20/2020	Paydown		175,422	175,422	174,556	108,262		862		862		175,422				2,044	09/20/2035	1FE
83189D-AB-6	SMB 2017-B A2A SEQ 2.820% 10/15/35		06/15/2020	Paydown		91,700	91,700	89,279	89,932		1,768		1,768		91,700				1,062	10/15/2035	1FE
83403Y-AB-0	SOFI 2017-B A2FX SEQ 2.740% 05/25/40		06/25/2020	Paydown		901,536	901,536	901,318	901,421		115		115		901,536				10,031	05/25/2040	1FE
83404F-AC-8	SOFI 2017-A A2B SEQ 2.400% 03/26/40		06/25/2020	Paydown		399,731	399,731	394,367	396,987		2,743		2,743		399,731				3,887	03/26/2040	1FE
83404L-AC-5	SOFI 2016-D A2B SEQ 2.340% 04/25/33		06/25/2020	Paydown		370,980	370,980	366,881	368,452		2,529		2,529		370,980				3,604	04/25/2033	1FE
83405D-AC-2	SOFI 2017-C A2B SEQ 2.630% 07/25/40		06/25/2020	Paydown		127,619	127,619	127,587	127,590		29		29		127,619				1,374	07/25/2040	1FE
86358R-XZ-5	SASC 2002-AL1 A3 AS CPT SEQ 3.450% 02/25/32																				
86358R-XZ-5	SASC 2005-2XS 2A1 XRESET FTV FLT DL 0.668% 02/25/35		06/01/2020	Paydown		33,791	33,791	29,910	31,869		1,922		1,922		33,791				496	02/25/2032	5FE
86359B-2H-3	TLF 2017-1A A SEQ 3.090% 12/15/29		06/01/2020	Paydown		32,973	32,973	32,973	32,973						32,973				232	02/25/2035	1FM
87272Q-AA-8	UNION PACIFIC CORP SERIES 144A 3.839% 03/20/60		06/15/2020	Paydown		174,219	174,219	172,913	173,054		1,165		1,165		174,219				2,166	12/15/2029	1FE
90781B-FF-0	UNION PACIFIC RR 2014-1 PT CERTS 3.227% 05/14/26		05/27/2020	Tax Free Exchange Redemption 100.0000		2,458,437	2,500,000	2,458,315	2,458,329		108		108		2,458,437				49,854	03/20/2060	2FE
907825-AA-1	UNION PACIFIC RR 2015-1 PT CERTS 2.695% 05/14/26		05/14/2020	Redemption 100.0000		515,999	515,999	515,999	515,999						515,999				8,326	05/14/2026	1FE
90782J-AA-1	VSTNA 2018-A A SEQ 3.560% 02/20/36		05/12/2020	Paydown		1,424,885	1,424,885	1,424,885	1,424,885						1,424,885				19,200	05/12/2027	1FE
918286-AA-3	VSTNA 2017-A A SEQ 2.330% 03/20/35		06/20/2020	Paydown		539,057	539,057	547,670	531,890		(8,416)		(8,416)		539,057				7,809	02/20/2036	1FE
918288-AA-9	VISA INC 2.050% 04/15/30		04/02/2020	BANK OF AMERICA		136,610	136,610	136,583	136,587		24		24		136,610				1,328	03/20/2035	1FE
92826C-AM-4	VFET 2017-1A A4 SEQ 2.210% 11/15/21		06/15/2020	Paydown		2,356,862	2,350,000	2,346,593	588,907		.1		.1		2,346,593		10,269	10,269	535	04/15/2030	1FE
92887K-AD-2	WASHINGTON REIT SR UNSEC 4.950% 10/01/20		04/02/2020	Call 100.0000		588,922	7,000,000	588,922	588,916		.6		.6		588,922				6,406	11/15/2021	1FE
939653-AL-5	ALLERGAN FINANCE LLC CO.GUARNT 3.250% 10/01/22		04/02/2020	Taxable Exchange		2,700,170	2,625,000	2,603,081	2,618,233		866		866		2,619,099		81,070	81,070	52,846	10/01/2022	2FE
942683-AF-0	ZIMMER BIOMET HOLDINGS SR UNSEC 3.550% 04/01/25		04/28/2020	STIFEL NICOLAUS & COMPANY INC		5,695,525	5,500,000	5,498,412	5,499,865		(9)		(9)		5,499,856		195,669	195,669	113,353	04/01/2025	2FE
98956P-AF-9	ZIMMER BIOMET HOLDINGS SR UNSEC 4.450% 08/15/45		04/14/2020	RBC DAIN RAUSCHER INC		8,112,960	8,000,000	7,935,680	7,940,726		362		362		7,941,088		171,872	171,872	238,322	08/15/2045	2FE
98956P-AH-5	ZIMMER BIOMET HOLDINGS 3.050% 01/15/26		05/01/2020	BNP PARIBAS		11,382,564	11,275,000	11,261,583			273		273		11,261,856		120,708	120,708	42,986	01/15/2026	2FE
00507U-AS-0	ALLERGAN FUNDING SCS CO.GUARNT 3.800% 03/15/25	D	05/12/2020	Taxable Exchange		10,367,059	9,600,000	9,565,920	9,580,691		1,238		1,238		9,581,929		785,131	785,131	242,187	03/15/2025	2FE
00507U-AU-5	ALLERGAN FUNDING SCS CO.GUARNT 4.750% 03/15/45	D	05/12/2020	Taxable Exchange		4,159,086	3,586,000	3,567,245	3,568,789		131		131		3,568,920		590,166	590,166	113,084	03/15/2045	2FE
456873-AA-6	INGERSOLL-RAND LUX FINAN CO.GUARNT 2.625% 05/01/20	D	04/13/2020	Call 100.0000		6,575,000	6,575,000	6,570,661	6,574,721		237		237		6,574,959		.41	.41	77,667	05/01/2020	2FE
75973F-AA-9	RENEW 2018-1 A SEQ 3.950% 09/20/53	D	06/20/2020	Paydown		197,479	197,479	197,404	197,406		.73		.73		197,479				4,087	09/20/2053	1FE
857006-AD-2	STATE GRID OVERSEAS INV CO.GUARNT 2.250% 05/04/20	D	05/04/2020	Maturity		3,325,000	3,325,000	3,319,547	3,324,363		.637		.637		3,325,000				37,406	05/04/2020	1FE
902674-XF-2	UBS AG LONDON SR UNSEC 2.200% 06/08/20	D	05/11/2020	Call 100.0000		10,000,000	10,000,000	9,993,400	9,999,018		809		809		9,999,827		173	173	93,500	06/08/2020	1FE
3899999. Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated)						278,554,099	272,174,068	271,286,383	222,271,525		(169,960)	870,000	(1,039,960)		271,194,378		7,198,433	7,198,433	4,830,328	XXX	XXX
8399997. Total - Bonds - Part 4						335,716,245	329,332,905	329,676,611	278,290,548		(1,171,922)	870,000	(2,041,922)		328,338,761		7,216,196	7,216,196	5,687,910	XXX	XXX
8399998. Total - Bonds - Part 5						XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
8399999. Total - Bonds						335,716,245	329,332,905	329,676,611	278,290,548		(1,171,922)	870,000	(2,041,922)		328,338,761		7,216,196	7,216,196	5,687,910	XXX	XXX
8999997. Total - Preferred Stocks - Part 4							XXX													XXX	XXX
8999998. Total - Preferred Stocks - Part 5						XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
8999999. Total - Preferred Stocks							XXX													XXX	XXX
9799997. Total - Common Stocks - Part 4							XXX													XXX	XXX
9799998. Total - Common Stocks - Part 5						XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
9799999. Total - Common Stocks							XXX													XXX	XXX
9899999. Total - Preferred and Common Stocks							XXX													XXX	XXX
9999999 - Totals						335,716,245	XXX	329,676,611	278,290,548		(1,171,922)	870,000	(2,041,922)		328,338,761		7,216,196	7,216,196	5,687,910	XXX	XXX

Schedule DB - Part A - Section 1 - Options, Caps, Floors, Collars, Swaps and Forwards Open

N O N E

Schedule DB - Part B - Section 1 - Futures Contracts Open

N O N E

Schedule DB - Part B - Section 1B - Brokers with whom cash deposits have been made

N O N E

Schedule DB - Part D - Section 1 - Counterparty Exposure for Derivative Instruments Open

N O N E

Schedule DB - Part D-Section 2 - Collateral for Derivative Instruments Open - Pledged By

N O N E

Schedule DB - Part D-Section 2 - Collateral for Derivative Instruments Open - Pledged To

N O N E

Schedule DB - Part E - Derivatives Hedging Variable Annuity Guarantees

N O N E

Schedule DL - Part 1 - Reinvested Collateral Assets Owned

N O N E

Schedule DL - Part 2 - Reinvested Collateral Assets Owned

N O N E

SCHEDULE E - PART 1 - CASH

Month End Depository Balances

1	2	3	4	5	Book Balance at End of Each Month During Current Quarter			9
					6	7	8	
					First Month	Second Month	Third Month	
Depository	Code	Rate of Interest	Amount of Interest Received During Current Quarter	Amount of Interest Accrued at Current Statement Date				*
Citibank, N.A. New Castle, DE					(34,515)	(39,658)	(33,667)	XXX
Citibank, N.A. New York, NY					7,611,508	3,171,700	20,124,093	XXX
Harris, N.A. Chicago, IL					26,329	57,228	172,027	XXX
JPMorgan Chase Bank, N.A. New York, NY					29,704	29,704	29,704	XXX
The Northern Trust Company Chicago, IL					20,000	20,000	20,000	XXX
Wells Fargo, N.A. Philadelphia, PA					(5,717,253)	(6,095,614)	(7,436,745)	XXX
0199998. Deposits in ... depositories that do not exceed the allowable limit in any one depository (See instructions) - Open Depositories	XXX	XXX						XXX
0199999. Totals - Open Depositories	XXX	XXX			1,935,771	(2,856,640)	12,875,411	XXX
0299998. Deposits in ... depositories that do not exceed the allowable limit in any one depository (See instructions) - Suspended Depositories	XXX	XXX						XXX
0299999. Totals - Suspended Depositories	XXX	XXX						XXX
0399999. Total Cash on Deposit	XXX	XXX			1,935,771	(2,856,640)	12,875,411	XXX
0499999. Cash in Company's Office	XXX	XXX	XXX	XXX				XXX
0599999. Total - Cash	XXX	XXX			1,935,771	(2,856,640)	12,875,411	XXX

SCHEDULE E - PART 2 - CASH EQUIVALENTS

[illegible]